evergreen packaging

Blue Ridge Paper Products Inc. - Canton Mill

Certified Mail #7007 0710 0003 7311 3767
Return Receipt Requested

July 22, 2009

RECEIVED JUL 27 2009

Mr. Matt Gamble
North Carolina Department of Environment
and Natural Resources
Solid Waste Section
PO Box 27687
Raleigh, North Carolina 27611-7687

Dear Mr. Gamble:

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 11 and May 14, 2009. The analytical results were received in my office on July 20, 2009.

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.

RECEIVED AUG 10 2009 SOLID WASTE SECTION

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

Mike Gustafson
Manager Environmental Affairs
Blue Ridge Paper Products Inc.
mike.gustafson@everpack.com
828-646-2381 Fax 828-646-6892

Enclosures

file:mwdata072209

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

RECEIVED
JUL 20 2009
BLUE RIDGE PAPER PRODUCTS INC
BHS DEPARTMENT

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/12/2009
Time Received: 07:30
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56396	Blue Ridge Paper Co. Pigeon R Down grab, collected on 05/11/2009 at 11:55
AC56397	Blue Ridge Paper Co. BB-Up grab, collected on 05/11/2009 at 13:25
AC56398	Blue Ridge Paper Co. BB-Down grab, collected on 05/11/2009 at 14:15
AC56399	Blue Ridge Paper Co. BB-3 grab, collected on 05/11/2009 at 14:37
AC56400	Blue Ridge Paper Co. BB-4 grab, collected on 05/11/2009 at 14:50
AC56401	Blue Ridge Paper Co. Pigeon R Up grab, collected on 05/11/2009 at 15:10

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Tony A. Parker
authorized signature

Results reviewed by: [illegible]

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Sample Number	Sample Description, Date and Time Collected
AC56396	Blue Ridge Paper Co. Pigeon R Down grab, collected on 05/11/2009 at 11:55

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	8.5	pH units		0.1	05/11/2009 11:55	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	280	umhos/cm		10	05/11/2009 11:55	JHF	SM 2510B
Temperature (Field)	17.4	degrees C		0.1	05/11/2009 11:55	JHF	SM 2550B
Turbidity (Field)	10	NTU		5.0	05/11/2009 11:55	JHF	Field Screen
Nitrate-Nitrite as N	0.20	mg/l	S	0.20	05/18/2009 16:59	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	186	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	3.8	mg/l		0.5	05/18/2009 17:50	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	22	mg/L		1.0	06/03/2009 09:13	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 09:36	LBW	EPA 300.0
Sulfate	45	mg/l		1.0	06/03/2009 09:13	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.02	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	5.4	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.19	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.1	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.066	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:10	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	3.4	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	43	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56397	Blue Ridge Paper Co. BB-Up grab, collected on 05/11/2009 at 13:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56397	Blue Ridge Paper Co. BB-Up grab, collected on 05/11/2009 at 13:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	7.9	pH units		0.1	05/11/2009 13:25	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	71	umhos/cm		10	05/11/2009 13:25	JHF	SM 2510B
Temperature (Field)	14.2	degrees C		0.1	05/11/2009 13:25	JHF	SM 2550B
Turbidity (Field)	12	NTU		5.0	05/11/2009 13:25	JHF	Field Screen
Nitrate-Nitrite as N	0.55	mg/l		0.20	05/28/2009 11:52	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	65	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	1.7	mg/l		0.5	05/18/2009 18:13	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1
Chloride	3.2	mg/L		1.0	06/03/2009 16:24	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 10:37	LBW	EPA 300.0
Sulfate	5.2	mg/l		1.0	06/03/2009 16:24	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.02	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	4.3	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.48	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.7	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.054	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:18	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	2.3	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	3.5	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56398	Blue Ridge Paper Co. BB-Down grab, collected on 05/11/2009 at 14:15

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							

Sample Number	Sample Description, Date and Time Collected
AC56398	Blue Ridge Paper Co. BB-Down grab, collected on 05/11/2009 at 14:15

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
pH (Field)	7.4	pH units		0.1	05/11/2009 14:15	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	74	umhos/cm		10	05/11/2009 14:15	JHF	SM 2510B
Temperature (Field)	14.5	degrees C		0.1	05/11/2009 14:15	JHF	SM 2550B
Turbidity (Field)	19	NTU		5.0	05/11/2009 14:15	JHF	Field Screen
Nitrate-Nitrite as N	0.54	mg/l		0.20	05/18/2009 16:59	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	74	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	2.2	mg/l		0.5	05/18/2009 18:35	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	4.1	mg/L		1.0	06/03/2009 17:39	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 10:57	LBW	EPA 300.0
Sulfate	5.6	mg/l		1.0	06/03/2009 17:39	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	4.8	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.58	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.9	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.066	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:20	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	2.7	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	< RDL	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	4.5	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	< RDL	mg/l			06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C
	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56399	Blue Ridge Paper Co. BB-3 grab, collected on 05/11/2009 at 14:37

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	7.5	pH units		0.1	05/11/2009 14:37	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	88	umhos/cm		10	05/11/2009 14:37	JHF	SM 2510B

Sample Number	Sample Description, Date and Time Collected
AC56399	Blue Ridge Paper Co. BB-3 grab, collected on 05/11/2009 at 14:37

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Temperature (Field)	14.5	degrees C		0.1	05/11/2009 14:37	JHF	SM 2550B
Turbidity (Field)	16	NTU		5.0	05/11/2009 14:37	JHF	Field Screen
Nitrate-Nitrite as N	0.51	mg/l		0.20	05/18/2009 17:10	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	52	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	2.2	mg/l		0.5	05/18/2009 19:42	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	4.3	mg/L		1.0	06/01/2009 15:08	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 11:17	LBW	EPA 300.0
Sulfate	8.7	mg/l		1.0	06/01/2009 15:08	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	5.0	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.71	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.9	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.068	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:23	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	2.9	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	6.6	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56400	Blue Ridge Paper Co. BB-4 grab, collected on 05/11/2009 at 14:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

pH (Field)	7.7	pH units		0.1	05/11/2009 14:50	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	101	umhos/cm		10	05/11/2009 14:50	JHF	SM 2510B
Temperature (Field)	14.4	degrees C		0.1	05/11/2009 14:50	JHF	SM 2550B
Turbidity (Field)	16	NTU		5.0	05/11/2009 14:50	JHF	Field Screen

Sample Number	Sample Description, Date and Time Collected
AC56400	Blue Ridge Paper Co. BB-4 grab, collected on 05/11/2009 at 14:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	0.56	mg/l		0.20	05/28/2009 12:03	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	47	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	2.0	mg/l		0.5	05/18/2009 20:06	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	4.4	mg/L		1.0	06/01/2009 15:33	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 11:37	LBW	EPA 300.0
Sulfate	11	mg/l		1.0	06/01/2009 15:33	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	4.9	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.69	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.9	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.069	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:25	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	2.8	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	8.7	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56401	Blue Ridge Paper Co. Pigeon R Up grab, collected on 05/11/2009 at 15:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	7.7	pH units		0.1	05/11/2009 15:10	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	264	umhos/cm		10	05/11/2009 15:10	JHF	SM 2510B
Temperature (Field)	16.4	degrees C		0.1	05/11/2009 15:10	JHF	SM 2550B
Turbidity (Field)	7.3	NTU		5.0	05/11/2009 15:10	JHF	Field Screen
Nitrate-Nitrite as N	0.23	mg/l		0.20	05/18/2009 17:10	MEA	SM 4500NO3
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2

Sample Number	Sample Description, Date and Time Collected
AC56401	Blue Ridge Paper Co. Pigeon R Up grab, collected on 05/11/2009 at 15:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Dissolved Solids	174	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	3.5	mg/l		0.5	05/18/2009 20:29	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1
Chloride	22	mg/L		1.0	06/03/2009 10:28	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 11:57	LBW	EPA 300.0
Sulfate	44	mg/l		1.0	06/03/2009 10:28	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.02	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	5.5	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	0.19	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	< RDL	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	1.2	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	0.072	mg/l		0.0002	06/04/2009 10:28	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	< RDL	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	3.3	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	< RDL	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	40	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	< RDL	mg/l			06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C
	Completed						

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/12/2009
Time Received: 07:30
Date Reported: 07/02/2009

Sample Number	*Sample Description*
AC56402	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/11/2009 at 15:45
AC56403	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/11/2009 at 15:45
AC56404	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/11/2009 at 16:15
AC56405	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/11/2009 at 16:15

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Jerry A. Parker
authorized signature

Results reviewed by:

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Sample Number	Sample Description, Date and Time Collected
AC56402	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/11/2009 at 15:45

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	7.8	pH units		0.1	05/11/2009 15:45	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	79	umhos/cm		10	05/11/2009 15:45	JHF	SM 2510B
Temperature (Field)	19.0	degrees C		0.1	05/11/2009 15:45	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/11/2009 15:45	JHF	Field Screen
Nitrate-Nitrite as N	0.41	mg/l		0.20	05/18/2009 17:10	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	112	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	05/18/2009 20:52	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1
Chloride	10	mg/L		1.0	06/05/2009 12:17	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 12:37	LBW	EPA 300.0
Sulfate	3.1	mg/l		1.0	06/03/2009 18:54	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.04	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	4.5	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	2.2	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:30	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	2.1	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	3.1	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	0.05	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56403	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/11/2009 at 15:45

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
BOD, 5 Day	7.9	mg/l		2.0	05/13/2009 14:33	MSA	SM 5210B
COD	< RDL	mg/l		20	06/01/2009 09:30	MEA	EPA 410.4

Sample Number	Sample Description, Date and Time Collected						
AC56404	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/11/2009 at 16:15						
Parameter	**Result**	**Unit**	**Flag**	**RDL**	**Date/Time**	**Analyst**	**Method**
BOD, 5 Day	< RDL	mg/l		60	05/13/2009 14:34	MSA	SM 5210B
Analysis comment for BOD, 5 Day: BOD did not meet the required dissolved oxygen depletion as specified by the method. The sample dilutions were based on historical data.							
COD	96	mg/l		20	06/01/2009 09:30	MEA	EPA 410.4
Total Phosphorus	13	mg/l		0.02	05/18/2009 15:51	REH	SM 4500PE

Sample Number	Sample Description, Date and Time Collected						
AC56405	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/11/2009 at 16:15						
Parameter	**Result**	**Unit**	**Flag**	**RDL**	**Date/Time**	**Analyst**	**Method**
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
pH (Field)	8.3	pH units		0.1	05/11/2009 16:15	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	7520	umhos/cm		10	05/11/2009 16:15	JHF	SM 2510B
Temperature (Field)	18.5	degrees C		0.1	05/11/2009 16:15	JHF	SM 2550B
Turbidity (Field)	116	NTU		5.0	05/11/2009 16:15	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/18/2009 17:10	MEA	SM 4500NO3H
Nitrite as N	0.14	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	4820	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Total Organic Carbon	30	mg/l		0.5	06/02/2009 13:27	MSA	SM 5310C
Total Recoverable Phenols	0.012	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1
Chloride	90	mg/L		1.0	06/03/2009 10:53	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	5.0	06/05/2009 13:37	LBW	EPA 300.0
Sulfate	619	mg/l		1.0	06/04/2009 00:44	LBW	EPA 300.0
Arsenic ICPMS	0.38	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	< RDL	mg/l	X	0.05	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l	X	0.02	05/14/2009 10:59	MJH	EPA 200.8
Calcium	26	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l	X	0.10	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l	X	0.10	05/14/2009 10:59	MJH	EPA 200.8
Iron	0.30	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l	X	0.04	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	61	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.21	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Mercury	< RDL	mg/l	X	0.0008	06/04/2009 10:33	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l	X	0.10	05/14/2009 10:59	MJH	EPA 200.8
Potassium	160	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l	X	0.5	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l	X	0.10	05/14/2009 10:59	MJH	EPA 200.8
Sodium	2000	mg/l		0.04	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l	X	0.10	05/14/2009 10:59	MJH	EPA 200.8

Sample Number	Sample Description, Date and Time Collected
AC56405	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/11/2009 at 16:15

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

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

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/12/2009
Time Received: 07:30
Date Reported: 07/01/2009

Sample Number	*Sample Description*
AC56406	Blue Ridge Paper Co. MW-17 grab, collected on 05/11/2009 at 12:12
AC56407	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:53
AC56408	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:55
AC56409	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:58
AC56410	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:08
AC56411	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:16
AC56412	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:18
AC56413	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:20

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Tony M. Parker
authorized signature

Results reviewed by: b

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Sample Number	Sample Description, Date and Time Collected
AC56406	Blue Ridge Paper Co. MW-17 grab, collected on 05/11/2009 at 12:12

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
Depth to water	47.57	feet			05/11/2009 11:18	BCS	
pH (Field)	5.4	pH units		0.1	05/11/2009 12:11	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	33	umhos/cm		10	05/11/2009 12:11	BCS	SM 2510B
Temperature (Field)	14.2	degrees C		0.1	05/11/2009 12:11	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/11/2009 12:11	BCS	Field Screen
Nitrate-Nitrite as N	0.24	mg/l		0.20	05/18/2009 17:21	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	05/18/2009 21:08	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	< RDL	mg/L		1.0	06/03/2009 19:19	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 14:34	LBW	EPA 300.0
Sulfate	6.6	mg/l		1.0	06/03/2009 19:19	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	2.3	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	1.4	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:40	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	1.5	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	1.8	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56407	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	30.59	feet			05/11/2009 10:42	BCS	

Sample Number	Sample Description, Date and Time Collected
AC56407	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
pH (Field)	5.8	pH units		0.1	05/11/2009 13:51	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	199	umhos/cm		10	05/11/2009 13:51	BCS	SM 2510B
Temperature (Field)	13.5	degrees C		0.1	05/11/2009 13:51	BCS	SM 2550B
Turbidity (Field)	6.8	NTU		5.0	05/11/2009 13:51	BCS	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	0.13	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	18	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	0.08	mg/l	P	0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	4.9	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	0.007	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	3.1	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	8.3	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56408	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:55

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:43	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56409	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 13:58

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	176	mg/l		25	05/13/2009 07:55	MEA	SM 2540C
Chloride	30	mg/L		1.0	06/01/2009 16:48	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 15:32	LBW	EPA 300.0
Sulfate	< RDL	mg/l		1.0	06/03/2009 19:44	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56410	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:08

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56411	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:16

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	< RDL	mg/l		0.5	05/18/2009 21:55	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56412	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:18

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Sample Number	Sample Description, Date and Time Collected
AC56413	Blue Ridge Paper Co. MW-14 grab, collected on 05/11/2009 at 14:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	0.68	mg/l		0.20	05/18/2009 17:21	MEA	SM 4500NO3H

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

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/12/2009
Time Received: 07:30
Date Reported: 07/01/2009

Sample Number	Sample Description
AC56414	Blue Ridge Paper Co. MW-20 grab, collected on 05/11/2009 at 15:25
AC56415	Blue Ridge Paper Co. MW-10 grab, collected on 05/11/2009 at 16:23

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Tommy M. Parker
authorized signature

Results reviewed by: L

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Sample Number	Sample Description, Date and Time Collected
AC56414	Blue Ridge Paper Co. MW-20 grab, collected on 05/11/2009 at 15:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
Depth to water	45.40	feet			05/11/2009 14:54	BCS	
pH (Field)	6.4	pH units		0.1	05/11/2009 15:23	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	89	umhos/cm		10	05/11/2009 15:23	BCS	SM 2510B
Temperature (Field)	14.5	degrees C		0.1	05/11/2009 15:23	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/11/2009 15:23	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/18/2009 17:21	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Total Dissolved Solids	53	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	05/18/2009 22:12	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/12/2009 08:00	WLD	EPA 420.1
Chloride	2.7	mg/L		1.0	06/01/2009 17:13	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 15:51	LBW	EPA 300.0
Sulfate	15	mg/l		1.0	06/01/2009 17:13	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Cadmium ICPMS	3.8	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Calcium	< RDL	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	5.4	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Lead ICPMS	1.8	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Magnesium	0.018	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:45	LBW	EPA 245.1
Nickel ICPMS	2.6	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Potassium	< RDL	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	4.6	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Sodium	< RDL	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Zinc ICPMS	Completed			0.02	05/13/2009 11:40	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/12/2009 16:11	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56415	Blue Ridge Paper Co. MW-10 grab, collected on 05/11/2009 at 16:23

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56415	Blue Ridge Paper Co. MW-10 grab, collected on 05/11/2009 at 16:23

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/11/2009 15:58	BCS	
Depth to water	38.75	feet		0.1	05/11/2009 16:21	BCS	SM 4500HB
pH (Field)	5.5	pH units		10	05/11/2009 16:21	BCS	SM 2510B
Specific Conductance at 25 C (Field)	34	umhos/cm		0.1	05/11/2009 16:21	BCS	SM 2550B
Temperature (Field)	12.8	degrees C		5.0	05/11/2009 16:21	BCS	Field Screen
Turbidity (Field)	9.2	NTU		0.20	05/18/2009 17:21	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/12/2009 16:00	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Dissolved Solids	< RDL	mg/l		0.5	05/18/2009 23:00	MSA	SM 5310C
Total Organic Carbon	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 20:09	LBW	EPA 300.0
Chloride	< RDL	mg/L		0.10	06/05/2009 16:10	LBW	EPA 300.0
Fluoride	< RDL	mg/l		1.0	06/03/2009 20:09	LBW	EPA 300.0
Sulfate	2.0	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/12/2009 13:23	MER	EPA 200.7
Barium	0.01	mg/l		0.001	05/13/2009 11:40	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Calcium	2.2	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Chromium ICPMS	0.004	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/12/2009 13:23	MER	EPA 200.7
Iron	0.25	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/12/2009 13:23	MER	EPA 200.7
Magnesium	1.6	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Manganese ICPMS	< RDL	mg/l		0.0002	06/04/2009 10:52	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Nickel ICPMS	0.007	mg/l		0.5	05/12/2009 13:23	MER	EPA 200.7
Potassium	1.0	mg/l		0.005	05/13/2009 11:40	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/13/2009 11:40	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/12/2009 13:23	MER	EPA 200.7
Sodium	1.6	mg/l		0.02	05/13/2009 11:40	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/02/2009 14:30	LBW	EPA 245.1
Digestion for Mercury	Completed				05/12/2009 12:21	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/12/2009 16:11	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Analysis comment for Digestion for Metals - ICPMS: Redigested 05-14-09 at 0852 MJH

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/13/2009
Time Received: 15:15
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56519	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:05
AC56520	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:08
AC56521	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:10
AC56522	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:23
AC56523	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:32
AC56524	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:34
AC56525	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:37

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

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Sample Number	Sample Description, Date and Time Collected
AC56519	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:05

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	29.51	feet			05/11/2009 10:57	BCS	
pH (Field)	5.7	pH units		0.1	05/12/2009 10:03	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	44	umhos/cm		10	05/12/2009 10:03	BCS	SM 2510B
Temperature (Field)	12.1	degrees C		0.1	05/12/2009 10:03	BCS	SM 2550B
Turbidity (Field)	15	NTU		5.0	05/12/2009 10:03	BCS	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	0.04	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/14/2009 10:59	MJH	EPA 200.8
Calcium	3.6	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Iron	0.41	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	1.3	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese ICPMS	0.010	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Potassium	1.5	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Sodium	2.8	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/14/2009 10:59	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56520	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:08

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:55	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56521	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2B
Total Dissolved Solids	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Chloride	< RDL	mg/L		1.0	06/03/2009 20:34	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 16:59	LBW	EPA 300.0
Sulfate	< RDL	mg/l		1.0	06/03/2009 20:34	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56522	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:23

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56523	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:32

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	0.72	mg/l		0.5	05/18/2009 23:18	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56524	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:34

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Sample Number	Sample Description, Date and Time Collected
AC56525	Blue Ridge Paper Co. MW-15 grab, collected on 05/12/2009 at 10:37

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	0.24	mg/l		0.20	05/28/2009 13:07	MEA	SM 4500NO3H

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/13/2009
Time Received: 15:15
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56526	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:53
AC56527	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:56
AC56528	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:58
AC56529	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:08
AC56530	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:14
AC56531	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:16
AC56532	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:19

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

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Sample Number	Sample Description, Date and Time Collected
AC56526	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	63.18	feet			05/12/2009 11:16	BCS	
pH (Field)	6.8	pH units		0.1	05/12/2009 11:52	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	1739	umhos/cm		10	05/12/2009 11:52	BCS	SM 2510B
Temperature (Field)	15.7	degrees C		0.1	05/12/2009 11:52	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/12/2009 11:52	BCS	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Barium	0.20	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/29/2009 09:45	MJH	EPA 200.8
Calcium	260	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	06/10/2009 10:59	MJH	EPA 200.8
Copper ICPMS	4.2	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	39	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Magnesium	4.7	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese	0.009	mg/l		0.02	05/14/2009 14:25	MER	EPA 200.7
Nickel ICPMS	25	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Potassium	< RDL	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Silver ICPMS	51	mg/l		0.002	05/29/2009 09:45	MJH	EPA 200.8
Sodium	< RDL	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	Completed			0.02	05/29/2009 09:45	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS					05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56527	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:56

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 10:57	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56528	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 11:58

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2
Total Dissolved Solids	1070	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Chloride	103	mg/L		1.0	06/01/2009 17:38	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	0.20	06/05/2009 17:18	LBW	EPA 300.0
Sulfate	71	mg/l		1.0	06/01/2009 17:38	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56529	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:08

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56530	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:14

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	11	mg/l		0.5	05/18/2009 23:40	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56531	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:16

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Sample Number	Sample Description, Date and Time Collected
AC56532	Blue Ridge Paper Co. MW-16D grab, collected on 05/12/2009 at 12:19

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/28/2009 12:03	MEA	SM 4500NO3H

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/13/2009
Time Received: 15:15
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56533	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:28
AC56534	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:31
AC56535	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:33
AC56536	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:43
AC56537	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:49
AC56538	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:51
AC56539	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:54

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

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Sample Number	Sample Description, Date and Time Collected
AC56533	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:28

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	59.61	feet			05/12/2009 12:10	BCS	
pH (Field)	6.4	pH units		0.1	05/12/2009 14:26	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	5006	umhos/cm		10	05/12/2009 14:26	BCS	SM 2510B
Temperature (Field)	17.3	degrees C		0.1	05/12/2009 14:26	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/12/2009 14:26	BCS	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Barium	0.47	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/29/2009 09:45	MJH	EPA 200.8
Calcium	220	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	06/10/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Iron	17	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Magnesium	100	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese	12	mg/l		0.02	05/14/2009 14:25	MER	EPA 200.7
Nickel ICPMS	0.030	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Potassium	17	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/29/2009 09:45	MJH	EPA 200.8
Sodium	900	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/29/2009 09:45	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56534	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:31

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:00	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56535	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:33

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2
Total Dissolved Solids	3400	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Chloride	287	mg/L		1.0	06/03/2009 11:43	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	0.20	06/05/2009 17:37	LBW	EPA 300.0
Sulfate	70	mg/l		1.0	06/01/2009 18:53	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56536	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:43

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56537	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:49

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	85	mg/l		0.5	06/02/2009 14:40	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56538	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:51

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Sample Number	Sample Description, Date and Time Collected
AC56539	Blue Ridge Paper Co. MW-16S grab, collected on 05/12/2009 at 14:54

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	1.9	mg/l		0.20	05/28/2009 12:03	MEA	SM 4500NO3H

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/13/2009
Time Received: 15:15
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56540	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:00
AC56541	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:05
AC56542	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:07
AC56543	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:31
AC56544	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:33
AC56545	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:34
AC56546	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:42

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Larry A. Parker
authorized signature

Results reviewed by: L

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Sample Number	Sample Description, Date and Time Collected
AC56540	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	18.76	feet			05/12/2009 08:59	JHF	
pH (Field)	6.9	pH units		0.1	05/12/2009 09:57	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	2457	umhos/cm		10	05/12/2009 09:57	JHF	SM 2510B
Temperature (Field)	13.3	degrees C		0.1	05/12/2009 09:57	JHF	SM 2550B
Turbidity (Field)	55	NTU		5.0	05/12/2009 09:57	JHF	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/14/2009 10:59	MJH	EPA 200.8
Calcium	13	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	0.006	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	0.005	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Iron	1.9	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	9.5	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese	1.8	mg/l		0.02	05/14/2009 14:25	MER	EPA 200.7
Nickel ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Potassium	5.8	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Sodium	530	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/14/2009 10:59	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56541	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:05

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:02	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56542	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:07

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2
Total Dissolved Solids	1650	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Chloride	42	mg/L		1.0	06/05/2009 22:04	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/05/2009 22:04	LBW	EPA 300.0
Sulfate	787	mg/l		1.0	06/01/2009 19:43	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56543	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:31

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/28/2009 12:11	MEA	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AC56544	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:33

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	2.8	mg/l		0.5	05/19/2009 00:05	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56545	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:34

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56546	Blue Ridge Paper Co. MW-13 grab, collected on 05/12/2009 at 10:42

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

Date Received: 05/13/2009
Time Received: 15:15
Date Reported: 07/06/2009

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Sample Number	*Sample Description*
AC56547	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:29
AC56548	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:32
AC56549	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:34
AC56550	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:45
AC56551	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:47
AC56552	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:49
AC56553	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:56
AC56554	Blue Ridge Paper Co. MW-3A grab, collected on 05/12/2009 at 14:20
AC56555	Blue Ridge Paper Co. MW-12 grab, collected on 05/12/2009 at 16:25

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Dorsey A. Parker
authorized signature

Results reviewed by:

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Sample Number	Sample Description, Date and Time Collected
AC56547	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:29

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	10.29	feet			05/12/2009 11:02	JHF	
pH (Field)	7.1	pH units		0.1	05/12/2009 11:25	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	2263	umhos/cm		10	05/12/2009 11:25	JHF	SM 2510B
Temperature (Field)	15.0	degrees C		0.1	05/12/2009 11:25	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/12/2009 11:25	JHF	Field Screen
Arsenic ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/14/2009 10:59	MJH	EPA 200.8
Calcium	300	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Iron	0.49	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	27	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese	0.25	mg/l		0.02	05/14/2009 14:25	MER	EPA 200.7
Nickel ICPMS	0.008	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Potassium	19	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Sodium	170	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/14/2009 10:59	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56548	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:32

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:10	LBW	EPA 245.1
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56549	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:34

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2B
Total Dissolved Solids	1800	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Chloride	75	mg/L		1.0	06/05/2009 22:23	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/05/2009 22:23	LBW	EPA 300.0
Sulfate	898	mg/l		1.0	06/01/2009 20:08	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56550	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:45

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/28/2009 11:30	MEA	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AC56551	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:47

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	2.5	mg/l		0.5	05/19/2009 00:25	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56552	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:49

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56553	Blue Ridge Paper Co. MW-21 grab, collected on 05/12/2009 at 11:56

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Sample Number	Sample Description, Date and Time Collected
AC56554	Blue Ridge Paper Co. MW-3A grab, collected on 05/12/2009 at 14:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

Depth to water	6.23	feet		05/12/2009 12:17	JHF	
pH (Field)	6.8	pH units	0.1	05/12/2009 14:20	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	925	umhos/cm	10	05/12/2009 14:20	JHF	SM 2510B
Temperature (Field)	14.0	degrees C	0.1	05/12/2009 14:20	JHF	SM 2550B
Turbidity (Field)	20	NTU	5.0	05/12/2009 14:20	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l	0.20	05/28/2009 11:31	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l	0.01	05/13/2009 15:30	WLD	SM 4500NO2B
Total Dissolved Solids	548	mg/l	25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	0.53	mg/l	0.5	05/19/2009 00:45	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l	0.005	05/14/2009 08:30	WLD	EPA 420.1
Chloride	32	mg/L	1.0	06/01/2009 21:49	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56554	Blue Ridge Paper Co. MW-3A grab, collected on 05/12/2009 at 14:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Fluoride	< RDL	mg/l		0.10	06/05/2009 17:56	LBW	EPA 300.0
Sulfate	200	mg/l		1.0	06/01/2009 20:33	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	0.04	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/14/2009 10:59	MJH	EPA 200.8
Calcium	95	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	0.002	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Iron	30	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	25	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese	0.59	mg/l		0.02	05/14/2009 14:25	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:12	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Potassium	8.8	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Sodium	24	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/14/2009 10:59	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56555	Blue Ridge Paper Co. MW-12 grab, collected on 05/12/2009 at 16:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
Depth to water	10.65	feet			05/12/2009 15:15	JHF	
pH (Field)	6.0	pH units		0.1	05/12/2009 16:20	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	229	umhos/cm		10	05/12/2009 16:20	JHF	SM 2510B
Temperature (Field)	14.4	degrees C		0.1	05/12/2009 16:20	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/12/2009 16:20	JHF	Field Screen
Nitrate-Nitrite as N	1.2	mg/l		0.20	06/03/2009 13:59	MEA	SM 4500NO3
Nitrite as N	< RDL	mg/l		0.01	05/13/2009 15:30	WLD	SM 4500NO2
Total Dissolved Solids	122	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	05/19/2009 01:33	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/14/2009 08:30	WLD	EPA 420.1
Chloride	7.8	mg/L		1.0	06/05/2009 22:42	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/05/2009 22:42	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56555	Blue Ridge Paper Co. MW-12 grab, collected on 05/12/2009 at 16:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Sulfate	41	mg/l		1.0	06/01/2009 22:14	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/14/2009 14:25	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/14/2009 10:59	MJH	EPA 200.8
Calcium	12	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/14/2009 14:25	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Magnesium	8.2	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:15	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Potassium	3.2	mg/l		0.5	05/14/2009 14:25	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/14/2009 10:59	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/14/2009 10:59	MJH	EPA 200.8
Sodium	< RDL	mg/l		0.50	05/14/2009 14:25	MER	EPA 200.7
Zinc ICPMS	15	mg/l		0.02	05/14/2009 10:59	MJH	EPA 200.8
Digestion for Mercury	Completed				06/02/2009 14:30	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/14/2009 13:25	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 08:52	MJH	SM 3030C

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/14/2009
Time Received: 15:30
Date Reported: 07/02/2009

Sample Number	Sample Description
AC56676	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:54
AC56677	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:56
AC56678	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:58
AC56679	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:09
AC56680	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:11
AC56681	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:13
AC56682	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:20

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Amy Z Amley
authorized signature

Results reviewed by: L

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Sample Number	Sample Description, Date and Time Collected
AC56676	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:54

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	76.74	feet			05/12/2009 15:18	JHF	
pH (Field)	6.4	pH units		0.1	05/13/2009 13:50	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	4213	umhos/cm		10	05/13/2009 13:50	JHF	SM 2510B
Temperature (Field)	15.9	degrees C		0.1	05/13/2009 13:50	JHF	SM 2550B
Turbidity (Field)	9.4	NTU		5.0	05/13/2009 13:50	JHF	Field Screen
Arsenic ICPMS	< RDL	mg/l	X	0.01	06/10/2009 10:59	MJH	EPA 200.8
Barium	0.03	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Calcium	230	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l	X	0.01	05/15/2009 09:55	MJH	EPA 200.8
Iron	62	mg/l		0.05	05/15/2009 11:22	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Magnesium	79	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Manganese	15	mg/l		0.02	05/15/2009 11:22	MER	EPA 200.7
Nickel ICPMS	0.008	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Potassium	25	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Sodium	620	mg/l		0.50	05/15/2009 11:22	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 16:12	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56677	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:56

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:39	LBW	EPA 245.1
Digestion for Mercury	Completed				06/03/2009 10:00	LBW	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AC56678	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 13:58

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Total Dissolved Solids	3110	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Chloride	94	mg/L		1.0	06/05/2009 23:58	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/05/2009 23:58	LBW	EPA 300.0
Sulfate	1620	mg/l		1.0	06/03/2009 13:53	LBW	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AC56679	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:09

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrate-Nitrite as N	< RDL	mg/l	X	0.50	06/03/2009 15:45	MEA	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AC56680	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:11

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	5.7	mg/l		0.5	05/19/2009 03:04	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AC56681	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:13

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AC56682	Blue Ridge Paper Co. MW-18 grab, collected on 05/13/2009 at 14:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

South Carolina Laboratory Identification 23105
North Carolina Laboratory Certificate Number 27
NELAP Laboratory Identification E87822

Date Received: 05/14/2009
Time Received: 15:30
Date Reported: 07/02/2009

Sample Number	*Sample Description*
AC56683	Blue Ridge Paper Co. MW-2 grab, collected on 05/13/2009 at 14:45
AC56684	Blue Ridge Paper Co. MW-4 grab, collected on 05/13/2009 at 15:03
AC56685	Blue Ridge Paper Co. MW-11 grab, collected on 05/13/2009 at 17:02
AC56686	Blue Ridge Paper Co. MW-6 grab, collected on 05/13/2009 at 18:39
AC56687	Blue Ridge Paper Co. MW-5A grab, collected on 05/14/2009 at 09:10
AC56688	Blue Ridge Paper Co. MW-7A grab, collected on 05/14/2009 at 09:30
AC56689	Blue Ridge Paper Co. MW-8 grab, collected on 05/14/2009 at 09:50
AC56690	Blue Ridge Paper Co. MW-9 grab, collected on 05/14/2009 at 10:10
AC56691	Blue Ridge Paper Co. MW-1A grab, collected on 05/14/2009 at 10:30

The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.

We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.

Results released by: Amy D Ashley
authorized signature

Results reviewed by: V

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Sample Number	Sample Description, Date and Time Collected
AC56683	Blue Ridge Paper Co. MW-2 grab, collected on 05/13/2009 at 14:45

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
Depth to water	4.02	feet		0.1	05/12/2009 17:45	BCS	
pH (Field)	9.9	pH units		10	05/13/2009 14:45	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	7740	umhos/cm		0.1	05/13/2009 14:45	BCS	SM 2510B
Temperature (Field)	16.8	degrees C		5.0	05/13/2009 14:45	BCS	SM 2550B
Turbidity (Field)	18	NTU		0.20	05/13/2009 14:45	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.02	05/28/2009 11:20	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l	X	25	05/15/2009 07:30	WLD	SM 4500NO2B
Total Dissolved Solids	5850	mg/l		0.5	05/20/2009 14:45	MEA	SM 2540C
Total Organic Carbon	169	mg/l		0.005	06/02/2009 15:04	MSA	SM 5310C
Total Recoverable Phenols	0.026	mg/l		1.0	05/19/2009 08:00	WLD	EPA 420.1
Chloride	167	mg/L		0.10	06/03/2009 21:24	LBW	EPA 300.0
Fluoride	5.0	mg/l		1.0	06/08/2009 16:57	LBW	EPA 300.0
Sulfate	322	mg/l		0.02	06/03/2009 21:24	LBW	EPA 300.0
Arsenic ICPMS	0.03	mg/l		0.02	06/10/2009 10:59	MJH	EPA 200.8
Barium	< RDL	mg/l	X	0.004	05/14/2009 17:20	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l	X	0.10	05/29/2009 09:45	MJH	EPA 200.8
Calcium	3.2	mg/l		0.002	05/14/2009 17:20	MER	EPA 200.7
Chromium ICPMS	0.012	mg/l		0.02	06/10/2009 10:59	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l	X	0.05	05/29/2009 09:45	MJH	EPA 200.8
Iron	1.2	mg/l		0.002	05/14/2009 17:20	MER	EPA 200.7
Lead ICPMS	0.006	mg/l		0.20	05/29/2009 09:45	MJH	EPA 200.8
Magnesium	< RDL	mg/l	X	0.005	06/04/2009 11:42	LBW	EPA 245.1
Manganese ICPMS	0.033	mg/l		0.0008	05/29/2009 09:45	MJH	EPA 200.8
Mercury	< RDL	mg/l	X	0.005	05/14/2009 17:20	MER	EPA 200.7
Nickel ICPMS	0.129	mg/l		0.5	05/29/2009 09:45	MJH	EPA 200.8
Potassium	67	mg/l		0.01	05/29/2009 09:45	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l	X	0.008	05/15/2009 11:22	MER	EPA 200.7
Silver ICPMS	< RDL	mg/l	X	0.50	05/29/2009 09:45	MJH	EPA 200.8
Sodium	2100	mg/l		0.02	06/03/2009 10:00	LBW	EPA 245.1
Zinc ICPMS	< RDL	mg/l			05/14/2009 16:12	MER	SM 3030C
Digestion for Mercury	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICP	Completed						
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56684	Blue Ridge Paper Co. MW-4 grab, collected on 05/13/2009 at 15:03

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56684	Blue Ridge Paper Co. MW-4 grab, collected on 05/13/2009 at 15:03

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/12/2009 16:48	BCS	
Depth to water	62.19	feet		0.1	05/12/2009 17:32	BCS	SM 4500HB
pH (Field)	6.5	pH units		10	05/12/2009 17:32	BCS	SM 2510B
Specific Conductance at 25 C (Field)	1468	umhos/cm		0.1	05/12/2009 17:32	BCS	SM 2550B
Temperature (Field)	15.6	degrees C		5.0	05/13/2009 15:03	BCS	Field Screen
Turbidity (Field)	37	NTU		0.20	05/28/2009 11:31	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Dissolved Solids	824	mg/l		0.5	05/19/2009 03:33	MSA	SM 5310C
Total Organic Carbon	10	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 14:19	LBW	EPA 300.0
Chloride	83	mg/L		0.50	06/05/2009 18:53	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/03/2009 14:19	LBW	EPA 300.0
Sulfate	252	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	0.03	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Calcium	21	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	0.003	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/15/2009 11:22	MER	EPA 200.7
Iron	61	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Magnesium	17	mg/l		0.02	05/14/2009 17:20	MER	EPA 200.7
Manganese	1.1	mg/l		0.0002	06/04/2009 11:44	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	9.6	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/15/2009 11:22	MER	EPA 200.7
Sodium	210	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56685	Blue Ridge Paper Co. MW-11 grab, collected on 05/13/2009 at 17:02

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56685	Blue Ridge Paper Co. MW-11 grab, collected on 05/13/2009 at 17:02

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America							
Depth to water	11.21	feet			05/13/2009 16:24	BCS	
pH (Field)	5.5	pH units		0.1	05/13/2009 17:00	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	48	umhos/cm		10	05/13/2009 17:00	BCS	SM 2510B
Temperature (Field)	11.8	degrees C		0.1	05/13/2009 17:00	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/13/2009 17:00	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.20	05/28/2009 12:11	MEA	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Total Dissolved Solids	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	05/19/2009 03:58	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Chloride	1.3	mg/L		1.0	06/06/2009 00:17	LBW	EPA 300.0
Fluoride	< RDL	mg/l		0.10	06/06/2009 00:17	LBW	EPA 300.0
Sulfate	11	mg/l		1.0	06/03/2009 14:44	LBW	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Barium	0.02	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Calcium	1.6	mg/l		0.10	05/14/2009 14:25	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Magnesium	2.9	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Manganese ICPMS	0.006	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/04/2009 11:47	LBW	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Potassium	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Sodium	1.8	mg/l		0.50	05/14/2009 17:20	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Digestion for Mercury	Completed				06/03/2009 10:00	LBW	EPA 245.1
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/14/2009 16:12	MJH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AC56686	Blue Ridge Paper Co. MW-6 grab, collected on 05/13/2009 at 18:39

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56686	Blue Ridge Paper Co. MW-6 grab, collected on 05/13/2009 at 18:39

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 18:16	BCS	
Depth to water	13.23	feet		0.1	05/13/2009 18:37	BCS	SM 4500HB
pH (Field)	5.8	pH units		10	05/13/2009 18:37	BCS	SM 2510B
Specific Conductance at 25 C (Field)	449	umhos/cm		0.1	05/13/2009 18:37	BCS	SM 2550B
Temperature (Field)	14.0	degrees C		5.0	05/13/2009 18:37	BCS	Field Screen
Turbidity (Field)	< RDL	NTU		0.20	05/28/2009 11:41	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/15/2009 08:00	MEA	SM 2540C
Total Dissolved Solids	278	mg/l		0.5	05/19/2009 04:16	MSA	SM 5310C
Total Organic Carbon	0.76	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 12:03	LBW	EPA 300.0
Chloride	87	mg/L		0.20	06/05/2009 19:12	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/03/2009 15:09	LBW	EPA 300.0
Sulfate	22	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	0.10	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Calcium	31	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	0.57	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Magnesium	22	mg/l		0.02	05/14/2009 17:20	MER	EPA 200.7
Manganese	4.1	mg/l		0.0002	06/04/2009 11:49	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	0.015	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	5.2	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/15/2009 11:22	MER	EPA 200.7
Sodium	21	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56687	Blue Ridge Paper Co. MW-5A grab, collected on 05/14/2009 at 09:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56687	Blue Ridge Paper Co. MW-5A grab, collected on 05/14/2009 at 09:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 18:00	BCS	
Depth to water	37.22	feet		0.1	05/14/2009 09:10	BCS	SM 4500HB
pH (Field)	5.4	pH units		10	05/14/2009 09:10	BCS	SM 2510B
Specific Conductance at 25 C (Field)	590	umhos/cm		0.1	05/14/2009 09:10	BCS	SM 2550B
Temperature (Field)	18.4	degrees C		5.0	05/14/2009 09:10	BCS	Field Screen
Turbidity (Field)	< RDL	NTU		0.20	05/28/2009 11:41	MEA	SM 4500NO3H
Nitrate-Nitrite as N	1.1	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Total Dissolved Solids	364	mg/l		0.5	05/19/2009 04:37	MSA	SM 5310C
Total Organic Carbon	1.2	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 12:23	LBW	EPA 300.0
Chloride	107	mg/L		0.50	06/05/2009 19:31	LBW	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/03/2009 21:49	LBW	EPA 300.0
Sulfate	16	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	0.08	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Calcium	19	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	0.12	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Magnesium	20	mg/l		0.02	05/15/2009 11:22	MER	EPA 200.7
Manganese	21	mg/l		0.0002	06/04/2009 11:52	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	3.8	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/15/2009 11:22	MER	EPA 200.7
Sodium	16	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56688	Blue Ridge Paper Co. MW-7A grab, collected on 05/14/2009 at 09:30

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56688	Blue Ridge Paper Co. MW-7A grab, collected on 05/14/2009 at 09:30

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 17:42	BCS	
Depth to water	9.53	feet		0.1	05/14/2009 09:30	BCS	SM 4500HB
pH (Field)	5.6	pH units		10	05/14/2009 09:30	BCS	SM 2510B
Specific Conductance at 25 C (Field)	443	umhos/cm		0.1	05/14/2009 09:30	BCS	SM 2550B
Temperature (Field)	14.3	degrees C		5.0	05/14/2009 09:30	BCS	Field Screen
Turbidity (Field)	5.4	NTU		0.20	05/28/2009 13:07	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Total Dissolved Solids	216	mg/l		0.5	05/19/2009 05:30	MSA	SM 5310C
Total Organic Carbon	0.77	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 15:34	LBW	EPA 300.0
Chloride	46	mg/L		0.10	06/05/2009 20:29	LBW	EPA 300.0
Fluoride	< RDL	mg/l		1.0	06/03/2009 15:34	LBW	EPA 300.0
Sulfate	14	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	0.07	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Calcium	22	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	0.10	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/15/2009 11:22	MER	EPA 200.7
Magnesium	15	mg/l		0.02	05/14/2009 17:20	MER	EPA 200.7
Manganese	3.1	mg/l		0.0002	06/04/2009 11:54	LBW	EPA 245.1
Mercury	0.0023	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	3.3	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/15/2009 11:22	MER	EPA 200.7
Sodium	8.0	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56689	Blue Ridge Paper Co. MW-8 grab, collected on 05/14/2009 at 09:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56689	Blue Ridge Paper Co. MW-8 grab, collected on 05/14/2009 at 09:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 17:19	BCS	
Depth to water	11.73	feet		0.1	05/14/2009 09:50	BCS	SM 4500HB
pH (Field)	6.1	pH units		10	05/14/2009 09:50	BCS	SM 2510B
Specific Conductance at 25 C (Field)	76	umhos/cm		0.1	05/14/2009 09:50	BCS	SM 2550B
Temperature (Field)	15.8	degrees C		5.0	05/14/2009 09:50	BCS	Field Screen
Turbidity (Field)	< RDL	NTU		0.20	06/03/2009 13:59	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Total Dissolved Solids	67	mg/l		0.5	05/19/2009 05:50	MSA	SM 5310C
Total Organic Carbon	< RDL	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/06/2009 00:36	LBW	EPA 300.0
Chloride	1.3	mg/L		0.10	06/06/2009 00:36	LBW	EPA 300.0
Fluoride	< RDL	mg/l		1.0	06/03/2009 15:59	LBW	EPA 300.0
Sulfate	13	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	< RDL	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Calcium	4.6	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	1.0	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Magnesium	1.6	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Manganese ICPMS	0.080	mg/l		0.0002	06/04/2009 11:57	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	2.7	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/14/2009 17:20	MER	EPA 200.7
Sodium	3.1	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56690	Blue Ridge Paper Co. MW-9 grab, collected on 05/14/2009 at 10:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56690	Blue Ridge Paper Co. MW-9 grab, collected on 05/14/2009 at 10:10

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 15:54	BCS	
Depth to water	42.25	feet		0.1	05/14/2009 10:10	BCS	SM 4500HB
pH (Field)	6.0	pH units		10	05/14/2009 10:10	BCS	SM 2510B
Specific Conductance at 25 C (Field)	34	umhos/cm		0.1	05/14/2009 10:10	BCS	SM 2550B
Temperature (Field)	16.5	degrees C		5.0	05/14/2009 10:10	BCS	Field Screen
Turbidity (Field)	11	NTU		0.20	06/03/2009 13:59	MEA	SM 4500NO3H
Nitrate-Nitrite as N	0.45	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Total Dissolved Solids	46	mg/l		0.5	05/19/2009 06:09	MSA	SM 5310C
Total Organic Carbon	1.6	mg/l		0.005	05/21/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 23:04	LBW	EPA 300.0
Chloride	< RDL	mg/L		0.10	06/05/2009 20:48	LBW	EPA 300.0
Fluoride	< RDL	mg/l		1.0	06/03/2009 23:04	LBW	EPA 300.0
Sulfate	2.3	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Arsenic ICPMS	< RDL	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	< RDL	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	< RDL	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Calcium	1.9	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	< RDL	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Magnesium	0.84	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Manganese ICPMS	0.026	mg/l		0.0002	06/04/2009 11:59	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	1.8	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.50	05/14/2009 17:20	MER	EPA 200.7
Sodium	1.8	mg/l		0.02	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	< RDL	mg/l			06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

Sample Number	Sample Description, Date and Time Collected
AC56691	Blue Ridge Paper Co. MW-1A grab, collected on 05/14/2009 at 10:30

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/18/2009 00:00		

Sample Number	Sample Description, Date and Time Collected
AC56691	Blue Ridge Paper Co. MW-1A grab, collected on 05/14/2009 at 10:30

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 19 pages for TOX from Test America					05/13/2009 15:22	BCS	
Depth to water	63.73	feet		0.1	05/13/2009 15:41	BCS	SM 4500HB
pH (Field)	6.0	pH units		10	05/13/2009 15:41	BCS	SM 2510B
Specific Conductance at 25 C (Field)	33	umhos/cm		0.1	05/13/2009 15:41	BCS	SM 2550B
Temperature (Field)	13.1	degrees C		5.0	05/14/2009 10:30	BCS	Field Screen
Turbidity (Field)	424	NTU		0.20	06/03/2009 14:06	MEA	SM 4500NO3H
Nitrate-Nitrite as N	< RDL	mg/l		0.01	05/15/2009 07:30	WLD	SM 4500NO2B
Nitrite as N	< RDL	mg/l		25	05/20/2009 14:45	MEA	SM 2540C
Total Dissolved Solids	58	mg/l		0.5	05/19/2009 06:31	MSA	SM 5310C
Total Organic Carbon	2.9	mg/l		0.005	05/19/2009 08:00	WLD	EPA 420.1
Total Recoverable Phenols	< RDL	mg/l		1.0	06/03/2009 23:29	LBW	EPA 300.0
Chloride	< RDL	mg/L		0.10	06/05/2009 21:07	LBW	EPA 300.0
Fluoride	< RDL	mg/l		1.0	06/03/2009 23:29	LBW	EPA 300.0
Sulfate	< RDL	mg/l		0.005	06/10/2009 10:59	MJH	EPA 200.8
Arsenic ICPMS	0.12	mg/l		0.01	05/14/2009 17:20	MER	EPA 200.7
Barium	< RDL	mg/l		0.001	05/15/2009 09:55	MJH	EPA 200.8
Cadmium ICPMS	2.9	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Calcium	0.005	mg/l		0.002	06/10/2009 10:59	MJH	EPA 200.8
Chromium ICPMS	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Copper ICPMS	2.4	mg/l		0.05	05/14/2009 17:20	MER	EPA 200.7
Iron	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Lead ICPMS	1.5	mg/l		0.10	05/14/2009 17:20	MER	EPA 200.7
Magnesium	0.020	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Manganese ICPMS	< RDL	mg/l		0.0002	06/04/2009 12:02	LBW	EPA 245.1
Mercury	< RDL	mg/l		0.005	05/29/2009 09:45	MJH	EPA 200.8
Nickel ICPMS	2.1	mg/l		0.5	05/14/2009 17:20	MER	EPA 200.7
Potassium	< RDL	mg/l		0.005	05/15/2009 09:55	MJH	EPA 200.8
Selenium ICPMS	< RDL	mg/l		0.002	05/15/2009 09:55	MJH	EPA 200.8
Silver ICPMS	2.1	mg/l		0.50	05/14/2009 17:20	MER	EPA 200.7
Sodium	< RDL	mg/l	X	0.03	05/15/2009 09:55	MJH	EPA 200.8
Zinc ICPMS	Completed				06/03/2009 10:00	LBW	EPA 245.1
Digestion for Mercury	Completed				05/14/2009 16:12	MER	SM 3030C
Digestion for Metals - ICP	Completed				05/14/2009 16:12	MJH	SM 3030C
Digestion for Metals - ICPMS	Completed						

TestAmerica
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July 02, 2009 4:12:55PM

Client: Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn: Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Nbr: [none]
P/O Nbr:
Date Received: 05/19/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
AC56406-N / MW-17	NSE1538-01	05/11/09 12:12
AC56412 / MW-14	NSE1538-02	05/11/09 14:18
AC56414-N / MW-20	NSE1538-03	05/11/09 14:18
AC56415-N / MW-10	NSE1538-04	05/11/09 16:23
AC56396-N / Pigeon R.Down	NSE1538-05	05/11/09 11:55
AC56397-N / BB-UP	NSE1538-06	05/11/09 13:25
AC56398-N / BB-Down	NSE1538-07	05/11/09 13:25
AC56399-N / BB-3	NSE1538-08	05/11/09 14:37
AC56400-N / BB-4	NSE1538-09	05/11/09 14:50
AC56401-N / Pigeon R.UP	NSE1538-10	05/11/09 15:10
AC56402-N / Underflow Drain	NSE1538-11	05/11/09 15:45
AC56405-N / Landfill Leachate	NSE1538-12	05/11/09 16:15
AC56524 / MW-15	NSE1538-13	05/12/09 10:34
AC56531 / MW-16D	NSE1538-14	05/12/09 12:16
AC56538 / MW-16S	NSE1538-15	05/12/09 14:51
AC56546 / MW-13	NSE1538-16	05/12/09 10:42
AC56553 / MW-21	NSE1538-17	05/12/09 11:56
AC56554-N / MW-3A	NSE1538-18	05/12/09 14:20
AC56555-N / MW-12	NSE1538-19	05/12/09 16:25
AC56682 / MW-18	NSE1538-20	05/13/09 14:20
AC56683-N / MW-2	NSE1538-21	05/13/09 14:45
AC56684-N / MW-4	NSE1538-22	05/13/09 15:03
AC56685-N / MW-11	NSE1538-23	05/13/09 17:02
AC56686-N / MW-6	NSE1538-24	05/13/09 18:39
AC56687-N / MW-5A	NSE1538-25	05/14/09 09:10
AC56688-N / MW-7A	NSE1538-26	05/14/09 09:30

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Client	Rogers & Callcott Engineers, Inc. (13572)	Work Order:	NSE1538
	P.O. Box 5655	Project Name:	TOX, SC
	Greenville, SC 29606	Project Number:	[none]
Attn	Susan Gunter	Received:	05/19/09 08:00

AC56689-N / MW-8	NSE1538-27	05/14/09 09:50
AC56690-N / MW-9	NSE1538-28	05/14/09 10:10
AC56691-N / MW-1A	NSE1538-29	05/14/09 10:30
AC56668 / CP-UP	NSE1538-30	05/14/09 12:26
AC56675 / CP-Down	NSE1538-31	05/14/09 12:32

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Additional Laboratory Comments:
Case Narrative added 07/03/09 KAH to explain H flags on NSE1538-20, 21, 22, 23, 24 & 25.
Due to unexpected analytical delays, samples NSE1538-20, 21, 22, 23, 24 & 25 were analyzed 29 days after sample collection. However, they were prepped onto the carbon columns 24 days after collection. This report replaces the one generated on 06/18/09 @ 10:33.
South Carolina Certification Number: 84009001

The Chain(s) of Custody, 7 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Ken A. Hayes

Senior Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Rogers & Callcott Engineers, Inc. (13572)	Work Order:	NSE1538
	P.O. Box 5655	Project Name:	TOX, SC
	Greenville, SC 29606	Project Number:	[none]
Attn	Susan Gunter	Received:	05/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSE1538-01 (AC56406-N / MW-17 - Water) Sampled: 05/11/09 12:12									
General Chemistry Parameters									
Total Organic Halides	<0.0300	M7	mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-02 (AC56412 / MW-14 - Water) Sampled: 05/11/09 14:18									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-03 (AC56414-N / MW-20 - Water) Sampled: 05/11/09 14:18									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-04 (AC56415-N / MW-10 - Water) Sampled: 05/11/09 16:23									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-05 (AC56396-N / Pigeon R.Down - Water) Sampled: 05/11/09 11:55									
General Chemistry Parameters									
Total Organic Halides	0.0676		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-06 (AC56397-N / BB-UP - Water) Sampled: 05/11/09 13:25									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-07 (AC56398-N / BB-Down - Water) Sampled: 05/11/09 13:25									
General Chemistry Parameters									
Total Organic Halides	0.0367		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-08 (AC56399-N / BB-3 - Water) Sampled: 05/11/09 14:37									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-09 (AC56400-N / BB-4 - Water) Sampled: 05/11/09 14:50									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-10 (AC56401-N / Pigeon R.UP - Water) Sampled: 05/11/09 15:10									
General Chemistry Parameters									
Total Organic Halides	0.0562		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-11 (AC56402-N / Underflow Drain - Water) Sampled: 05/11/09 15:45									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-12 (AC56405-N / Landfill Leachate - Water) Sampled: 05/11/09 16:15									
General Chemistry Parameters									

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn: Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSE1538-12 (AC56405-N / Landfill Leachate - Water) - cont. Sampled: 05/11/09 16:15									
General Chemistry Parameters - cont.									
Total Organic Halides	0.221		mg/L	0.0600	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-13 (AC56524 / MW-15 - Water) Sampled: 05/12/09 10:34									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-14 (AC56531 / MW-16D - Water) Sampled: 05/12/09 12:16									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-15 (AC56538 / MW-16S - Water) Sampled: 05/12/09 14:51									
General Chemistry Parameters									
Total Organic Halides	0.510		mg/L	0.0600	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-16 (AC56546 / MW-13 - Water) Sampled: 05/12/09 10:42									
General Chemistry Parameters									
Total Organic Halides	0.0338		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-17 (AC56553 / MW-21 - Water) Sampled: 05/12/09 11:56									
General Chemistry Parameters									
Total Organic Halides	0.0669		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-18 (AC56554-N / MW-3A - Water) Sampled: 05/12/09 14:20									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-19 (AC56555-N / MW-12 - Water) Sampled: 05/12/09 16:25									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/08/09 08:38	SW846 9020B	shj	9060686
Sample ID: NSE1538-20 (AC56682 / MW-18 - Water) Sampled: 05/13/09 14:20									
General Chemistry Parameters									
Total Organic Halides	<0.0300	H	mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-21 (AC56683-N / MW-2 - Water) Sampled: 05/13/09 14:45									
General Chemistry Parameters									
Total Organic Halides	0.423	H	mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-22 (AC56684-N / MW-4 - Water) Sampled: 05/13/09 15:03									
General Chemistry Parameters									
Total Organic Halides	<0.0300	H	mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-23 (AC56685-N / MW-11 - Water) Sampled: 05/13/09 17:02									
General Chemistry Parameters									

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn: Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSE1538-23 (AC56685-N / MW-11 - Water) - cont. Sampled: 05/13/09 17:02									
General Chemistry Parameters - cont.									
Total Organic Halides	<0.0300	H	mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-24 (AC56686-N / MW-6 - Water) Sampled: 05/13/09 18:39									
General Chemistry Parameters									
Total Organic Halides	0.0743	H	mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-25 (AC56687-N / MW-5A - Water) Sampled: 05/14/09 09:10									
General Chemistry Parameters									
Total Organic Halides	0.0342		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-26 (AC56688-N / MW-7A - Water) Sampled: 05/14/09 09:30									
General Chemistry Parameters									
Total Organic Halides	0.129		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-27 (AC56689-N / MW-8 - Water) Sampled: 05/14/09 09:50									
General Chemistry Parameters									
Total Organic Halides	0.0352		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-28 (AC56690-N / MW-9 - Water) Sampled: 05/14/09 10:10									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-29 (AC56691-N / MW-1A - Water) Sampled: 05/14/09 10:30									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-30 (AC56668 / CP-UP - Water) Sampled: 05/14/09 12:26									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065
Sample ID: NSE1538-31 (AC56675 / CP-Down - Water) Sampled: 05/14/09 12:32									
General Chemistry Parameters									
Total Organic Halides	<0.0300		mg/L	0.0300	1	06/11/09 07:00	SW846 9020B	DAB	9061065

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Rogers & Callcott Engineers, Inc. (13572) P.O. Box 5655 Greenville, SC 29606	Work Order:	NSE1538
		Project Name:	TOX, SC
		Project Number:	[none]
		Received:	05/19/09 08:00
Attn	Susan Gunter		

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
9060686-BLK1						
Total Organic Halides	<0.0270		mg/L	9060686	9060686-BLK1	06/08/09 08:38
9061065-BLK1						
Total Organic Halides	<0.0270		mg/L	9061065	9061065-BLK1	06/11/09 07:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
9060686-BS1								
Total Organic Halides	0.250	0.251		mg/L	100%	90 - 120	9060686	06/08/09 08:38
9061065-BS1								
Total Organic Halides	0.250	0.231		mg/L	93%	90 - 120	9061065	06/11/09 07:00

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

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P.O. Box 5655
Greenville, SC 29606
Attn Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
9060686-BSD1												06/08/09 08:38
Total Organic Halides		0.258		mg/L	0.250	103%	90 - 120	3	40	9060686		
9061065-BSD1												06/11/09 07:00
Total Organic Halides		0.248		mg/L	0.250	99%	90 - 120	7	40	9061065		

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
9060686-MS1										
Total Organic Halides	ND	0.256	M7	mg/L	0.100	256%	70 - 130	9060686	NSE1538-01	06/08/09 08:38
9061065-MS1										
Total Organic Halides	ND	0.166	M7	mg/L	0.100	166%	70 - 130	9061065	NSE1538-30	06/11/09 07:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606
Attn Susan Gunter

Work Order: NSE1538
Project Name: TOX, SC
Project Number: [none]
Received: 05/19/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
9060686-MSD1												
Total Organic Halides	ND	0.153	M7	mg/L	0.100	153%	70 - 130	51	40	9060686	NSE1538-01	06/08/09 08:38
9061065-MSD1												
Total Organic Halides	ND	0.150	M7	mg/L	0.100	150%	70 - 130	11	40	9061065	NSE1538-30	06/11/09 07:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Rogers & Callcott Engineers, Inc. (13572) P.O. Box 5655 Greenville, SC 29606	Work Order:	NSE1538
		Project Name:	TOX, SC
		Project Number:	[none]
		Received:	05/19/09 08:00
Attn	Susan Gunter		

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9020B	Water	N/A	X	X

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Rogers & Callcott Engineers, Inc. (13572)	Work Order:	NSE1538
	P.O. Box 5655	Project Name:	TOX, SC
	Greenville, SC 29606	Project Number:	[none]
Attn	Susan Gunter	Received:	05/19/09 08:00

DATA QUALIFIERS AND DEFINITIONS

H	Sample analysis performed past method-specified holding time.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT F

NSE1538

Cooler Received/Opened On: 5/19/09 @ 8:00

1. Tracking # 2084 (last 4 digits, FedEx)

Courier: Fed-ex 95610068

2. Temperature of rep. sample or temp blank when opened: 1.2 *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 # 1

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

   If preservation in-house was needed, record standard ID of preservative used here

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 9/6/07

CHAIN OF CUSTODY RECORD

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5555, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

NSE1538
06/18/09 23 59

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr.09 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							
AC 56406-N	5-11	1212	MW-17	1	1			1				
56412		1418	MW-14	1	1			2				
56414-N		1525	MW-20	1	1			3				
56415-N		1623	MW-10	1	1			4				
56396-N		1155	Pigeon R. Down	1	1			5				
56397-N		1325	BB-UP	1	1			6				
56398-N	✓	1415	BB-Down	1	1			7				

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:

SUBCONTRACTED TO:
TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5 18 09 1400	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	5/19/09 0800

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

R/C COC FORM

NSE1538
06/18/09 23 59

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: ROGERS & CALLCOTT
Address:
Report To: SUSAN GUNTER
Telephone No.: FAX No.:
PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								
					B								
					N								
					Y								
					G								
					500 mL								
					G								
					gw								
					N								
AC 56399-N	5.11	1437	BB-3	1	1			8					
56400-N		1450	BB-4	1	1			9					
56401-N		1510	Pigeon R. UP	1	1			10					
56402-N		1545	Underflow Drain	1	1			11					
56405-N		1615	Landfill Leachate	1	1			12					
56524	5.12	1034	MW-15	1	1			13					
56531		1216	MW-16D	1	1			14					

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)

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:
SUBCONTRACTED TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.18.09 1400	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & # [signature]	5/19/09 800

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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 ◯

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

NSE1538
06/18/09 23 59

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

Rogers & Callcott Lab No	Yr.09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX							
					B							
					N							
					Y							
					G							
					500 mL							
					G							
					GW							
					N							
AC 56538	5.12	1451	MW-16S	1	1			15				
56546		1042	MW-13	1	1			16				
56553		1156	MW-21	1	1			17				
56554-N		1420	MW-3A	1	1			18				
56555-N		1625	MW-12	1	1			19				
561082	5.13	1420	MW-18	1	1			20				
561083-N		1445	MW-2	1	1			21				

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)

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:

SUBCONTRACT TO:
TEST AMERICA

SAMPLER Relinquished by (Sig.) ① K Ben	Date/Time 5.15.09 1400	Received by (Sig.) ② Shipper Name & #	Date/Time
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 5/9/09 600

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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 ◯

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

NSE1538
06/18/09 23 59

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No	Yr.09 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								
AC 56684-N	5.13	1503	MW-4	1	1		22						
56685-N	↓	1702	MW-11	1	1		23						
56686-N	↓	1839	MW-6	1	1		24						
56687-N	5.14	0910	MW-5A	1	1		25						
56688-N	↓	0930	MW-7A	1	1		26						
56689-N	↓	0950	MW-8	1	1		27						
56690-N	↓	1010	MW-9	1	1		28						

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:

SUBCONTRACT TO:
TEST AMERICA

SAMPLER Relinquished by (Sig.) ①	Date/Time 5.18.09 1400	Received by (Sig.) ② Shipper Name & #	Date/Time
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 5/19/09 800

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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 ◯

R/C COC FORM

CHAIN OF CUSTODY RECORD

NSE1538
06/18/09 23 59

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

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

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

Preserved codes: 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. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX		
AC 56691-N	5-14	1030	MW-1A	1	1	29	
AC 56668	↓	1226	CP-Up	1	1	30	
AC 56675	↓	1232	CP-Down	1	1	31	

COMMENTS:
SUBCONTRACT TO:
TEST AMERICA

SAMPLER Relinquished by (Sig.) ① [signature]	Date/Time 5.14.09 / 1400	Received by (Sig.) ② Shipper Name & #	Date/Time
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ [signature] Shipper Name & #	Date/Time 5/19/09 / 800

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

R/C COC FORM

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NSE1538
06/18/09 23 59

Cooler Received/Opened On: 5/19/09 @ 8:00

1. Tracking # 2441 (last 4 digits, FedEx)

Courier: Fed-ex 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: _____
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 # _____

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
   If preservation in-house was needed, record standard ID of preservative used here _____
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...# _____

Revised 9/6/07

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of 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

Client Name: GRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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	P	G	G	P							
Container Volume	500	250	250	250	500	1L	½							
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 Cl_2 Check	NA	NA	NA	NA	/	NA	NA							
Lab Receipt pH Check	<2	<2	<2	<2	/	<2	NA							
Preserved (Code)	B	B	C	I	B	C	A							
PARAMETERS	Total Metals*	Hg	NO_3	TOC	TOX ⊛	Phenols	Chloride, Fluoride, TDS, NO_2, SO4							
Rogers & Callcott Lab No. / Yr. 09 Date / Time / Sample Description								Total Number of Containers						
56396 / 5-11 / 1155 / Pigeon R. Down	1-R	1-R	1-G	1-P	1-N	1-G	1	7						
56397 / 1325 / BB-UP	1	1	1	1	1	1	1	7						
56398 / 1415 / BB-Down	1	1	1	1	1	1	1	7						
56399 / 1437 / BB-3	1	1	1	1	1	1	1	7						
56400 / 1450 / BB-4	1	1	1	1	1	1	1	7						
56401 / 1510 / Pigeon R. UP	1	1	1	1	1	1	1	7						
56402 / 1545 / Under Flow Drain	1	1	1	1	1	1	1	7						

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

COMMENTS:

⊛ subcontracted

* 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.) / Shipper Name & #	Date/Time
① [signature]	5-11-09 | 1715	② Robert Meyer	5-11-09 | 1715
Relinquished by (Sig.) ③ Robert Meyer	5.11.09 | 1915	④ Secure Area	
Relinquished by (Sig.) ⑤ Secure Area		Received by (Sig.) ⑥ [signature]	5.12.09 | 0730

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 0.2 °C

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 09-159

Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	BOD	COD	Phosphate/COD
AC 56403	5-11	1545	Under Flow Drain	2	1	1-G	
↓ 56404		1615	Landfill Leachate	2	1		1-G

PARAMETERS

Filtered (Yes/No)	N	N	N							
Cooled (Yes/No)	Y	Y	Y							
Container Type (P/G)	P	P	P							
Container Volume	½	50	1L							
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	NA	<2	Boric							
Preserved (Code)	A	C	C							

JNF P 5-11-09

mcd 5-23-09

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:

Field Data Collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) Shipper Name & #	Date/Time
① [illegible]	5-11-09 1715	② Robert Mayo	5-11-09 1715
Relinquished by (Sig.) ③ Robert Mayo	5.11.09 1915	Received by (Sig.) ④ Secure Area	
Relinquished by (Sig.) ⑤ Secure Area		Received by (Sig.) ⑥ [illegible]	5.12.09 0730

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.2 °C

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

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

								N	N	N	N	N	N	N	Filtered (Yes/No)	
								Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)	
								P	P	P	P	G	G	P	Container Type (P/G)	
								500	250	250	250	500	1L	1/2	Container Volume	
								G	G	G	G	G	G	G	Sample Type (Grab/Composite)	
								GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)	
								N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)	
								NA	NA	NA	NA	/	NA	NA	Lab Receipt Cl, Check	5-13-09
								Bench	Bench	F2	Bench	/	Bench	NA	Lab Receipt pH Check	
								B	B	C	I	B	C	A	Preserved (Code)	
Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals*	Hg	NO3	TOC	TOX ⊛	Phenols	Chloride/Fluoride, TDS, NO2, SO4				
AC 56405	5-11	1615	Landfill Leachate	7	RL	1	1-B2	1-B2	1-P	1-N	1-G1	1			* As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Zn	

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- Phosphate

COMMENTS:

⊛ subcontracted

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-11-09 1715	② Robert Moyer Shipper Name & #	5-11-09 1715
Relinquished by (Sig.) ③ Robert Moyer	5.11.09 1915	Received by (Sig.) ④ Secure Area Shipper Name & #	
Relinquished by (Sig.) ⑤ Secure Area		Received by (Sig.) ⑥ [signature] Shipper Name & #	5.12.09 0730

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.2 °C

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

R/C COC FORM

CHAIN OF CUSTODY RECORD

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
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Greenville, SC 29607

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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 mL	250 mL	1/2 gal	1 L	250 mL	500 mL	250 mL	
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 Cl_2 Check	NA	NA	NA	NA	NA		NA	mcd 5-13-09
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

Rogers & Callcott Lab No.	Yr 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals*	Total Hg	SO_4, Cl^-, EL, TDS, NO_2	Phenols	TOC	TOX	NO_3	COMMENTS: (*subcontracted)
				7	R1-1	1-R2	1	1-G1	1-P	1-N	1-G2	*As, Ba, Cd, Ca, Cr, Co, Fe, Pb, Mg, Mn, Ni,
AC 56406	5-11	1212	MW-17	1	1							K, Se, Ag, Na, Zn
56407	5-11	1353	MW-14	1		1						
56408	5-11	1355	MW-14	1			1					
56409	5-11	1358	MW-14	1				1				
56410	5-11	1408	MW-14	1					1			Field data collected
56411	5-11	1416	MW-14	1						1		
56412	5-11	1418	MW-14	1								

	Date/Time		Date/Time
SAMPLER Relinquished by (Sig.) ① [signature]	5-11-09 1715	Received by (Sig.) ② [signature] Shipper Name & #	5-11-09 1715
Relinquished by (Sig.) ③ [signature]	5-11-09 1915	Received by (Sig.) ④ Secure Area Shipper Name & #	
Relinquished by (Sig.) ⑤ Secure Area		Received by (Sig.) ⑥ [signature] Shipper Name & #	5-12-09 0730

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.2 °C

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

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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	P	G	P	P								
Container Volume	250 ml	500 ml	250 ml	1/2 gal	1 L	250 ml	500 ml								
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 Cl, Check	NA	NA	NA	NA	NA	NA	/								
Lab Receipt pH Check	<2	<2	<2	NA	<2	<2	/								
Preserved (Code)	C	B	B	A	C	I	B								
PARAMETERS	NO_3	Total Metals*	Total Hg	SO_4, Cl^-, Fl, TDS, NO_2	Phenols	TOC	TOX (*)	Total Number of Containers	Rogers & Callcott Lab No.	Yr.09 Date	Time	Sample Description			
	1							1							
	G2-1	P-1	P2-1	1	1-G1	1-P	1-N	7	56413	5-11	1420	MW-14			
	1	1	1	1	1	1	1	7	56414	5-11	1525	MW-20			
									56415	5-11	1623	MW-10			

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

COMMENTS:

(*) subcontracted

*See page 1

Field data collected

SAMPLER Relinquished by (Sig.) ① [signature]	Date/Time 5-11-09 1715	Received by (Sig.) ② [signature] Shipper Name & #	Date/Time 5-11-09 1715
Relinquished by (Sig.) ③ [signature]	Date/Time 5-11-09 1915	Received by (Sig.) ④ Secure Area Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤ Secure Area	Date/Time	Received by (Sig.) ⑥ [signature] Shipper Name & #	Date/Time 5-12-09 0730

Rec'vd. Intact by ◯ Seal # at'chd by ◯ Rec'vd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.2 °C

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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	P	P		
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	500 mL	250 mL		
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	MCA 5-14-09	
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		

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– ~~thiosulfate~~

COMMENTS: +subcontracted

Rogers & Callcott Lab No.	Yr.09 Date	Time	Sample Description	Total Number of Containers	Total Metals*	Total Hg	SO4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX	NO3	COMMENTS
AC 56519	5-12	1005	MW-15	1	1							* As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni;
56520	5-12	1008	MW-15	1		1						K, Se, Ag, Na, Zn
56521	5-12	1010	MW-15	1			1					
56522	5-12	1023	MW-15	1				1				
56523	5-12	1032	MW-15	1					1			Field data collected
56524	5-12	1034	MW-15	1							1	
56525	5-12	1037	MW-15	1								

SAMPLER Relinquished by (Sig.) ① Bradley C. Beck	Date/Time 5-13-09 1302	Received by (Sig.) ② Robert Meyer Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③ Robert Meyer	Date/Time 5-13-09 1515	Received by (Sig.) ④ [illegible] Shipper Name & #	Date/Time 5.13.09 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.4 °C

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

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

								N	N	N	N	N	N	N	Filtered (Yes/No)	
								Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)	
								P	P	P	G	P	P	P	Container Type (P/G)	
								500 mL	250 mL	1/2 gal	1 L	250 mL	500 mL	250 mL	Container Volume	
								G	G	G	G	G	G	G	Sample Type (Grab/Composite)	
								GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)	
								N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)	
								NA	NA	NA	NA	NA		NA	Lab Receipt Cl_2 Check mcal 5-14-09	
								<2	<2	NA	<2	<2		<2	Lab Receipt pH Check	
								B	B	A	C	I	B	C	Preserved (Code)	
Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS			Total Metals *	Total Hg	SO_4, Cl^-, F, TDS, NO_2	Phenols	TOC	TOX	NO_3	COMMENTS: + Subcontracted	
AC 56526	5-12	1153	MW-16D					1							* See pg 1	
56527	5-12	1156	MW-16D						1							
56528	5-12	1158	MW-16D							1						
56529	5-12	1208	MW-16D								1					
56530	5-12	1214	MW-16D									1				
56531	5-12	1216	MW-16D										1		Field data collected	
56532	5-12	1219	MW-16D											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–Phosphate

SAMPLER Relinquished by (Sig.) ① Bradley C Sed	Date/Time 5-13-09 1302	Received by (Sig.) ② Robert May Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③ Robert May	Date/Time 3-13-09 1515	Received by (Sig.) ④ Shipper Name & #	Date/Time 5.13.09 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.4 °C

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

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

Client Name: BRPC

Address: Carton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

								N	N	N	N	N	N	N	Filtered (Yes/No)
								Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
								P	P	P	G	P	P	P	Container Type (P/G)
								500 mL	250 mL	1/2 gal	1 L	250 mL	500 mL	250 mL	Container Volume
								G	G	G	G	G	G	G	Sample Type (Grab/Composite)
								GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)
								N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)
								NA	NA	NA	NA	NA		NA	Lab Receipt Cl_2 Check mcs 5-14-09
								<2	<2	NA	<2	<2		<2	Lab Receipt pH Check
								B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals*	Total Hg	SO_4 Cl^-, Fl, TDS, NO_2	Phenols	TOC	TOX	NO_3	COMMENTS:		
AC 56533	5-12	1428	MW-16S	1		1							*See page 1		
56534	5-12	1431	MW-16S	1			1								
56535	5-12	1433	MW-16S	1				1							
56536	5-12	1443	MW-16S	1					1						
56537	5-12	1449	MW-16S	1						1					
56538	5-12	1451	MW-16S	1							1		Field data collected		
56539	5-12	1454	MW-16S	1								1			

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

SAMPLER Relinquished by (Sig.) ① Bradley C Bird	Date/Time 5-13-09 1302	Received by (Sig.) ② Robert Meyer Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③ Robert Meyer	Date/Time 5-13-09 1515	Received by (Sig.) ④ [illegible] Shipper Name & #	Date/Time 5.13.09 ~~5.15~~ 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	KWB 5.13 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 0.4 °C

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

																		Filtered (Yes/No)
														N	N	N	N	Cooled (Yes/No)
														Y	Y	Y	Y	Container Type (P/G)
														P	P	P	P	Container Volume
														500	250	½	250	Sample Type (Grab/Composite)
														G	G	G	G	Sample Source (WW, GW, DW, Other)
														GW	GW	GW	GW	Sample Source Chlorinated (Yes/No)
														N	N	N	N	Lab Receipt Cl2 Check mcs/5-14-09
														NA	NA	NA	NA	Lab Receipt pH Check
														<2	<2	NA	<2	Preserved (Code)
														B	B	A	C	
Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals ☆	Hg	Chloride/Flouride/TDS/NO2/SO4	NO3	TOC	Phenols	TOX +	COMMENTS:					
AC 56540	5-12	1000	MW-13	1		1							☆As, Ba, Cd, Ca, Cr, Co, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Zn					
56541		1005		1			1											
56542		1007		1				1										
56543		1031		1					1				Field Data Collected					
56544		1033		1						1								
56545		1034		1							1							
56546		1042		1								1						

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 = Phosphate

+ subcontracted

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-13-09 1302	Received by (Sig.) ② Robert Meyer Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③ Robert Meyer	Date/Time 5-13-09 1515	Received by (Sig.) ④ Shipper Name & #	Date/Time 5.13.09 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.4 °C

Seal # at'chd by ◯ Recvd. Intact by ◯

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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	P	P	G	G					
Container Volume				500	250	½	250	250	1L	500					
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	C	B					
PARAMETERS				Total Metals*	Hg	Chloride/Fluoride/TDS/NO2/SO4	NO3	TOC	Phenols	TOX*					
Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers											
56547	5-12	1129	MW-21	1	1										
56548		1132	MW-21	1		1									
56549		1134	MW-21	1			1								
56550		1145	MW-21	1				1							
56551		1147	MW-21	1					1						
56552		1149	MW-21	1						1					
56553		1156	MW-21	1											

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

+ subcontracted

COMMENTS:

* See page 1

Field Data Collected

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-13-09 1302	Received by (Sig.) ② Robert Meyer Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③ Robert Meyer	Date/Time 5-13-09 1515	Received by (Sig.) ④ Shipper Name & #	Date/Time 5-13-09 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.4 °C

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

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

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	P	P	G	G			
Container Volume	500	250	½	250	250	1L	500			
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 Cl_2 Check	NA	NA	NA	NA	NA	NA	/	mcs 5-14-09		
Lab Receipt pH Check	<2	<2	NA	<2	<2	<2	/			
Preserved (Code)	B	B	A	C	I	C	B			
PARAMETERS	Total Metals*	Hg	Chloride/Fluoride/NO_2/SO_4	NO_3	TOC	Phenols	TOX +			
Rogers & Callcott Lab No. / Yr. 09 Date / Time / Sample Description / Total Number of Containers										
56554 / 5-12 / 1420 / MW-3A / 7	1	1	1	1	1	1	1	∅ See 1st page		
56555 / 1625 / MW-12 / 7	1	1	1	1	1	1	1			

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

+Subcontracted

COMMENTS: Field Data Collected

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-13-09 1302	Received by (Sig.) ② Shipper Name & #	Date/Time 5-13-09 1302
Relinquished by (Sig.) ③	Date/Time 5-13-09 1515	Received by (Sig.) ④ Shipper Name & #	Date/Time 5.13.09 1515
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.4 °C

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

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: ERPC
Address: Canton, NC
Report To:
Telephone No.: FAX No.:
PO No.: Project No. 04-159

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	P	P	G	G
Container Volume	500	250	1/2	250	250	1L	500
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 Cl_2 Check (mcd 5-15-09)	NA	NA	NA	NA	NA	NA	
Lab Receipt pH Check	<2	<2	NA	<2	<2	<2	
Preserved (Code)	B	B	A	C	I	C	B

Preserved codes: 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

Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	Total Metals*	Hg	Chloride/Fluoride/TDS NO_2/SO_4	NO3	TOC	Phenols	TOX ⊛	COMMENTS: ⊛ subcontracted
56676	5-13	1354	MW-18	1	1							* As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
56677		1356	MW-18	1		1						Mg, Mn, Ni, K, Se, Ag, Na, Zn
56678		1358	MW-18	1			1					
56679		1409	MW-18	1				1				
56680		1411	MW-18	1					1			Field Data Collected
56681		1413	MW-18	1						1		
56682		1420	MW-18	1							1	

AC (56676–56682)

Relinquished	Date/Time	Received	Date/Time
SAMPLER Relinquished by (Sig.) ① [signature]	5-14-09 1530	Received by (Sig.) ② [signature] Shipper Name & #	5.14.09 1530
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 ○

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ______ °C
At time of lab receipt 0.0 NF °C

R/C COC FORM

CHAIN OF CUSTODY RECORD

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

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 04-159

									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 Cl, Check MCA 5-15-09
									Lab Receipt pH Check
									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-phosphate
Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals ☆	Hg	Chloride/Fluoride TDS/NO_2/SO_4	NO_3	TOC	Phenols	TOX ⊗
						N	N	N	N	N	N	N
						Y	Y	Y	Y	Y	Y	Y
						P	P	P	P	P	G	G
						500	250	1/2	250	250	1L	500
						G	G	G	G	G	G	G
						GW	GW	GW	GW	GW	GW	GW
						N	N	N	N	N	N	N
						NA	NA	NA	NA	NA	NA	/
						<2	<2	NA	<2	<2	<2	/
						B	B	A	C	I	C	B
AC 56683	5-13	1445	MW-2 ⊡	7		1-P	1-P	1	1-G	1-P	1-G	1-N
56684		1503	MW-4	7		1	1	1	1	1	1	1
56685		1702	MW-11	7		1	1	1	1	1	1	1
56686		1839	MW-6	7		1	1	1	1	1	1	1

COMMENTS: ⊗ subcontracted

☆ See 1st page

Field Data Collected

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-14-09 1530	Received by (Sig.) ② Shipper Name & #	Date/Time 5.14.09 1530
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

~~KNOWN HAZARDS ASSOCIATED WITH SAMPLES~~

⊡ Check PH @ bench

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0 ONE °C

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

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

Client Name: BAPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 09 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals ★	Hg	Chloride/Fluoride/TDS/NO2/SO4	NO3	TOC	Phenols	TOX ⊛	COMMENTS
			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	P	P	G	G	
			Container Volume		500	250	½	250	250	1L	500	
			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		MCA
			Lab Receipt pH Check		<2	<2	NA	<2	<2	<2		5-15-09
			Preserved (Code)		B	B	A	C	I	C	B	
AC 56687	5-14	0910	MW-5A	7	P2-1	P2-1	1	G2-1	P-1	G1-1	1-N	★ See 1st page
56688		0930	MW-7A	7	1	1	1	1	1	1	1	
56689		0950	MW-8	7	1	1	1	1	1	1	1	
56690 KWR 5.15		1010	MW-9	7	1	1	1	1	1	1	1	Field Data Collected
56691		1030	MW-1A	7	1	1	1	1	1	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–Phosphoric

COMMENTS: ⊛ subcontracted

	Date/Time		Date/Time
SAMPLER Relinquished by (Sig.) ①	5-14-09 1530	Received by (Sig.) ② Shipper Name & #	5.14.09 1530
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 0.0 NF °C

Ground Water Level Log

Client: Blue Ridge Paper Company

Measuring Point: TOC / Top of Casing

Comments:

	Date: Samplers:		5-11-09 JHF/BCS		
Well ID #	Total Depth	1st Quarter Water Level	2nd Quarter Water Level	3rd Quarter Water Level	4th Quarter Water Level
MW-14	35.23	@	30.59 @ 1042	@	@
MW-15	43.25	@	29.51 @ 1057	@	@
MW-13	36.79	@	18.75 @ 1750	@	@
MW-16D	111.13	@	65.20 @ 1737	@	@
MW-16S	70.38	@	59.63 @ 1739	@	@
MW-18	112.56	@	76.74 @ 1733	@	@
MW-21	28.75	@	10.20 @ 1748	@	@
MW-17	65.60	@	47.57 @ 1118	@	@
MW-20	61.57	@	45.40 @ 1454	@	@
MW-10	74.51	@	38.75 @ 1558	@	@
MW-9	66.84	@ 42.25 ~~65.34~~ 5-13-09	~~65.34~~ @ 1547	@	@
MW-1A	71.86	@	63.82 @ 1822	@	@
MW-11	21.70	@	13.14 @ 1616	@	@
MW-8	29.20	@	11.75 @ 1759	@	@
MW-12	29.06	@	10.55 @ 1754	@	@
MW-5A	44.56	@	37.19 @ 1815	@	@
MW-3A	20.41	@	6.15 @ 1744	@	@
MW-7A	26.40	@	9.32 @ 1805	@	@
MW-6	20.67	@	12.69 @ 1808	@	@
MW-4	83.89	@	66.35 @ 1537	@	@
MW-2	11.84	@	4.02 @ 1830	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
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		@	@	@	@
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		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@
		@	@	@	@

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 1 of 10

For Low Flow Sampling: Page N of A

Well Number: Pigeon R. Down ☐ Development ☐ Purging

Date: 5-1-09 Field Personnel: SHR

Site Name/Location: BRPC

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): N/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 / N/A
Well Integrity Satisfactory? Okay / N/A
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
5-1-09	1155	NA	NA	NA	NA	8.49	17.4	280.2	NA	NA	NA	1	10.2	

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

Weather Conditions/~Temp: Drizzle / 50s °F

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear

Sample Collection Time 1155

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 2 of 10

Well Number: BB UP

☐ Development
☐ Purging

Date: 5-11-09 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page N/A of N/A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☒ Surface Water Grab

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): N/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

N/A

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
5-11-09	1325	NA	NA	NA	NA	7.92	14.2	71.2	NA	NA	NA	1	12.0	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: clear

Sample Collection Time 1325

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: ~~BR PC~~ BB - Down JHF 5-11-09

☐ Development
☐ Purging

Page 3 of 10

Date: 5-11-09 Field Personnel: JHF

For Low Flow Sampling: Page NA of

Site Name/Location: BRPC

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☒ Surface Water Grab

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): NA @
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

NA

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
5-11-09	1415	NA	NA	NA	NA	7.44	14.5	74.4	NA	NA	NA	1	19.1	

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

Weather Conditions/~Temp: Cloudy / 60s °F Precipitate: none Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear

Sample Collection Time 1415

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 4 of 10

Well Number: BB -3 ☐ Development ☐ Purging

Date: 5-11-09 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page N/A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ 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): N/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

N/A

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
5-11-09	1437	NA	NA	NA	NA	7.54	14.5	88.2	NA	NA	NA	1	16.0	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1437

Comments _____

Revised 2/3/09

Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 5 of 10

Well Number: BB-4 ☐ Development ☐ Purging

Date: 5-11-09 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): NA @

Total Depth of Well (b): NA

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
5-11-09	1450	NA	NA	NA	NA	7.66	14.4	100.8	NA	NA	NA	1	15.9	

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

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

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

Sample Collection Time 1450

Comments

Revised 2/3/09

Reviewed by: Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 6 of 10

Well Number: Pigeon R. U P

☐ Development
☐ Purging

Date: 5-11-09

Field Personnel: SHF

Site Name/Location: BRPC

For Low Flow Sampling: Page N of A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☒ Surface Water Grab

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): N/A
Well Casing Diameter (inches): N/A
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
5-11-09	1510	NA	NA	NA	NA	7.71	16.4	263.5	NA	NA	NA	1	7.29	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity:

Sample Collection Time 1510

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Under Flow Drain ☐ Development ☐ Purging

Date: 5-11-09 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of NA

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ 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): NA
Total Depth of Well (b): NA
Length of Water Column in Well (b-a): NA
Well Casing Diameter (inches): NA
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	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
5-11-09	1545	NA	NA	NA	NA	7.75	19.0	79.3	NA	NA	NA	1	<5.0	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1545

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Landfill Leachate ☐ Development ☐ Purging

Date: 5-11-09 Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page N of A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ 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): N/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
5-11-09	1615	NA	NA	NA	NA	8.34	18.5	7520	NA	NA	NA	4	116	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Slightly Turbid

Sample Collection Time 1615

Comments Sulfur Smell

Revised 2/3/09

Date: _____

Rogers and Callcott Enginers

Client: BRPC

Date: 5-11-09

Continuing Calibration Verification

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC00262 Probe: 08L 100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1350	JHF	99.5	95.5 @ 17.2 °C
1705	JHF	1000	1013 @ 17.3 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC00942 Probe: 605377 08A

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1350	JHF	7.0	7.06
1705	JHF	4.0	4.08

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 9807000 18869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1351	JHF	45.4	44.0
1704	JHF	465	468

Field Duplicate

Well ID: Land Fill Leachate

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1618	JHF	7522	8.33	113	18.5

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

Revised 03/18/09

Reviewed by: _____ Date: _____

Rogers and Callcott Enginers

Client: BRPC **Date:** 5-11-09

Field Meter Calibration Record

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC 00262 Probe: 08L 100071

Time: 1117 Analyst: JHF Cell Constant 5.26

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55		9.2	20.4
09-04-31	99.5		99.2	21.2
09-04-33	1000		1021	20.9
09-04-45	SSS conc:	447	437.2	20.7

Temperature compensation for conductivity meter : 0.0

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

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC 00942 Probe: 605377 08A

Time: 1112 Analyst: JHF Slope: 101.2

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
08-11-26	4.0		4.07
08-11-27	7.0		6.99
08-11-28	10.0		10.05
08-11-33	SSS conc:	10.0	10.09

Temperature compensation for pH meter : 0.1

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

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 98070001 8869 Date of most recent calibration: 5-7-09

Time: 1109 Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	3.92	3.83
09-01-23	45.4	45.5
09-01-24	465	467

Date:

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-17

☐ Development
☒ Purging

Date: 5-11-09

Field Personnel: BCS / RGM

Site Name/Location: BRPC

For Low Flow Sampling: Page 4 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): 47.57 @ 1118
Total Depth of Well (b): 65.60
Length of Water Column in Well (b-a): 18.03
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	11.8	
3 Casing Vol	35.4	35.4

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
5-11-09	1147	NA	1.5	47.57	0.0	5.75	13.9	31.1	NA	NA	NA	1	<5.0	
5-11-09	1155	1	1.5	NA	11.8	5.45	14.1	32.4	NA	NA	NA	1	<5.0	
5-11-09	1203	2	1.5	NA	23.6	5.42	14.2	30.4	NA	NA	NA	1	<5.0	
5-11-09	1211 ~~1208~~ BCS 5-11-09	3	1.5	NA	35.4	5.38	14.2	33.1	NA	NA	NA	1	<5.0	

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

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

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Precipitate: None

Fe^{+2} mg/L= NA

Sample Collection Time 1212

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 2 of 4

Well Number: MW-14

☐ Development
☒ Purging

Date: 5-11-09

Field Personnel: BCJ/RGM

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☒ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 30.59 @ 1042
Total Depth of Well (b): 35.23
Length of Water Column in Well (b-a): 4.64
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		5700ml

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
5-11-09	1321	NA	190	30.59	0.0	5.60	13.5	145.0	NA	NA	NA	1	27.2	
5-11-09	1326	1	190	30.88	950	5.48	13.5	142.9	NA	NA	NA	1	44.5	
5-11-09	1331	2	190	30.95	1900	5.52	13.5	158.1	NA	NA	NA	1	29.6	
5-11-09	1336	3	190	31.00	2850	5.61	13.5	173.4	NA	NA	NA	1	21.2	
5-11-09	1341	4	190	31.03	3800	5.70	13.5	185.9	NA	NA	NA	1	14.1	
5-11-09	1346	5	190	31.06	4750	5.78	13.5	194.0	NA	NA	NA	1	10.1	
5-11-09	1351	6	190	31.08	5700	5.80	13.5	198.8	NA	NA	NA	1	6.82	

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

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

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time Total Metals - 1353 Hg - 1355 Cl, Fl, TDS, NO_2, SO_4 - 1358 Phenols - 1408 TOC - ~~1413~~ 1416 TOX - 1418 NO_3 - 1420 (5-11-09)

Comments Dropped pump in well @ 1053

Revised 2/3/09

Reviewed by: _____ Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page NA of ____

Well Number: MW-20

☐ Development
☒ Purging

Date: 5-11-09

Field Personnel: BCS/RGM

Site Name/Location: BRPC

Method of Well Evacuation

Pump
- ☒ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ 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): 45.40 @ 1454
Total Depth of Well (b): 61.57
Length of Water Column in Well (b-a): 16.17
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	10.6	
3 Casing Vol	31.8	31.8

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
5-11-09	1503	NA	1.5	45.46	0.0	6.43	13.9	68.8	NA	NA	NA	1	12.5	
5-11-09	1510	1	1.5	NA	10.6	6.29	14.5	85.5	NA	NA	NA	1	5.42	
5-11-09	1518	2	1.3	NA	21.2	6.35	14.5	87.3	NA	NA	NA	1	<5.0	
5-11-09	1523	3	2.1	NA	31.8	6.38	14.5	89.0	NA	NA	NA	1	<5.0	

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

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

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1525

Comments ____

Revised 2/3/09

Date: ____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-10

☐ Development
☒ Purging

Page 4 of 4

Date: 5-11-09

Field Personnel: BCS/RGM

For Low Flow Sampling: Page NA of ____

Site Name/Location: BRPC

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): 38.75 @ 1558
Total Depth of Well (b): 74.51
Length of Water Column in Well (b-a): 35.76
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	5.8	
3 Casing Vol	17.4	23.2 BCS 5-11-09 ~~23.20~~

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
5-11-09	1605	NA	1.5	38.75	0.0	5.78	12.6	34.1	NA	NA	NA	1	6.88	
5-11-09	1609	1	1.5	NA	5.8	5.65	12.8	33.6	NA	NA	NA	1	34.5	
5-11-09	1613	2	1.5	NA	11.6	5.59	12.8	34.1	NA	NA	NA	1	17.0	
5-11-09	1617	3	1.5	NA	17.4	5.55	12.8	33.8	NA	NA	NA	1	11.0	
5-11-09	1621	4	1.5	NA	23.2 BCS 5-11-09 ~~23.20~~	5.50	12.8	33.8	NA	NA	NA	1	9.21	

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

Weather Conditions/~Temp: Overcast 1605 °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1623

Comments

Revised 2/3/09

Reviewed by: ____ Date: ____

Rogers and Callcott Enginers

Field Meter Calibration Record

Client: BEPC

Date: 5-1-09

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300

SN: 3C00660

Probe: 300-4M 0652575

Cell Constant 5.28

Time: 1115

Analyst: BCS

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55	9.8	21.3
09-04-31	99.5	99.3	21.7
09-04-33	1000	1012	21.5
09-04-45	SSS conc: 447	437.9	21.3

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

Temperature compensation for conductivity meter : ø

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100

SN: 5C03192

Probe: YSI605377 08M

Slope: 101.4

Time: 1120

Analyst: BCS

Chemical Inventory	Conc. of Buffer, units	Actual Reading of Buffer, units
08-11-26	4.0	4.03
08-11-27	7.0	6.97
08-11-28	10.0	10.05
08-11-33	SSS conc: 10.0	10.10

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

Temperature compensation for pH meter : ø

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 08120C033298

Date of most recent calibration: 5-4-09

Time: 1110

Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	4.49	4.34
09-01-23	51.0	50.4
09-01-24	488	489

Revised 03/18/09

Date:

Rogers and Callcott Enginers

Client: BRPC

Date: 5-11-09

Continuing Calibration Verification

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C00660 Probe: 300-4M 06SC575

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1706	BCS	99.5	90.6 @ 14.2 °C
			@ ____ °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 08M

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1706	BCS	7.00	7.04

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1706	BCS	4.49	4.41

Field Duplicate

Well ID: MW-10

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1621	BCS	34.0	5.57	9.27	12.9

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

Revised 03/18/09

Date: ____

Well Number: MW-15 ☐ Development ☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-12-09 Field Personnel: BCS/RGM 5-12-09

Page 1 of 3

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): 29.51 @ 1057 on 5-11-09
Total Depth of Well (b): 43.75
Length of Water Column in Well (b-a): 14.24
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		4000

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) BCS 5-12-09	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
5-12-09	0943	NA	200	29.66	0.0	6.22	11.6	52.8	NA	NA	NA	1	21.1	
5-12-09	0948	1	200	29.97	1000	5.58	12.0	44.9	NA	NA	NA	1	15.9	
5-12-09	0953	2	200	30.06	2000	5.61	12.1	44.7	NA	NA	NA	1	13.7	
5-12-09	0958	3	200	30.08	3000	5.66	12.2	44.3	NA	NA	NA	1	14.2	
5-12-09	1003	4	200	30.08	4000	5.66	12.1	44.3	NA	NA	NA	1	14.8	

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 Total Metals - 1005 Total Hg - 1008 Cl^-, F^-, TDS, NO_2, SO_4 - 1010 Phenols - 1023 TOC - 1032 TOX - 1034 NO_3 - 1037

Comments Dropped pump in @ 1450

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 2 of 3

Well Number: MW-16D

☐ Development
☒ Purging

Date: 5-12-09

Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☒ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 63.18 @ 1116
Total Depth of Well (b): 111.13
Length of Water Column in Well (b-a): 47.95
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 / _____
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
5-12	1137	NA	200	63.18	0.0	6.88	17.5	1672	NA	NA	NA	2	<5.0	
5-12	1142	1	200	63.27	1000	6.79	16.0	1733	NA	NA	NA	2	<5.0	
5-12	1147	2	200	63.63	2000	6.78	15.7	1737	NA	NA	NA	~~NA~~ 2	<5.0	
5-12	1152	3	200	63.88	3000	6.79	15.7	1739	NA	NA	NA	BCS 5-12-09 ~~NA~~ 2	<5.0	

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

Weather Conditions/~Temp: Clear / 70's °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time Total Metals - 1153 Total Hg - 1156 Cl^-, F, TDS, NO_2, SO_4 - 1158 Phenols - 1208 TOC - 1214 TOX - 1216 NO_3 - 1219

Comments

Revised 2/3/09

Reviewed by: _____ Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 3 of 3

For Low Flow Sampling: Page 1 of 1

Well Number: MW-16S

☐ Development
☒ Purging

Date: 5-12-09 Field Personnel: BCS

Site Name/Location: BRPC

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☒ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 59.61 @ 1210
Total Depth of Well (b): 70.38
Length of Water Column in Well (b-a): 10.77
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 / _____
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
5-12	1411	NA	200	59.61	0.0	6.51	20.4	4470	NA	NA	NA	2	8.44	
5-12	1416	1	200	59.71	1000	6.40	17.7	4987	NA	NA	NA	2	<5.0	
5-12	1421	2	200	59.88	2000	6.42	17.2	4969	NA	NA	NA	2	<5.0	
5-12	1426	3	200	59.99	3000	6.45	17.3	5006	NA	NA	NA	2	<5.0	

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

Weather Conditions/~Temp: Clear / 70's °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear

Sample Collection Time Total Metals - 1428 Total Hg - 1431 Cl^-, Fl, TDS, NO_2, SO_4 - 1433 Phenols - 1443 TOC - 1449 TOX - 1451 NO_3 - 1454

Comments

Revised 2/3/09

Date:

Rogers and Callcott Enginers

Client: BRPC

Date: 5-12-09

Field Meter Calibration Record

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300

SN: 5C00660

Probe: 300-4m 0653575

Cell Constant 5.28

Time: 0840

Analyst: BCS

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55		10.3	20.2
09-04-31	99.5		99.3	20.0
09-04-33	1000		1010	19.7
09-04-45	SSS conc:	447	446.1	19.5

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

Temperature compensation for conductivity meter : ∅

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100

SN: 5C03192

Probe: YSI 605377 08.11

Slope: 101.1

Time: 0845

Analyst: BCS

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
08-11-26	4.0		4.03
08-11-27	7.0		6.99
08-11-28	10.0		10.06
08-11-33	SSS conc:	10.0	10.08

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

Temperature compensation for pH meter : ∅

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 08120C033298

Date of most recent calibration: 5-4-09

Time: 0850

Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	4.49	4.70
09-01-23	51.0	49.2
09-01-24	488	488

Date:

Revised 03/18/09

Rogers and Callcott Enginers

Client: BRPC

Date: 5-12-09

Continuing Calibration Verification

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300

SN: 5C00660

Probe: 3004M 06.5C575

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1407	BCS	99.5	107.0 @ 26.2 °C
1800	BCS	1000	1021 @ 26.1 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100

SN: 5C03192

Probe: YSI 605377 08M

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1407	BCS	7.00	6.98
1800	BCS	4.00	4.04

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 08120C033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1407	BCS	4.49	4.67
1800	BCS	51.0	50.6

Field Duplicate

Well ID: MW-2

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1750	BCS	8218	9.91	16.0	13.8

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

Revised 03/18/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 1 of 7

For Low Flow Sampling: Page 1 of 2

Well Number: MW-13 ☐ Development ☒ Purging

Date: 5-12-09 Field Personnel: JHF

Site Name/Location: BAPC

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☒ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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 @ 0859
Total Depth of Well (b): 36.79
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	NA	700

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
5-12-09														
JHF ~~5-12-09~~	0912	NA	160	18.76	0.0	6.70	12.6	2481	NA	NA	NA	1	953	
	0917	1	160	19.39	800	6.70	12.7	2480				1	285	
	0922	2	160	19.39	1600	6.74	12.8	2482				1	218	
	0927	3	160	19.39	2400	6.75	12.8	2476				1	201	
	0932	4	160	19.40	3200	6.75	12.8	2452				1	142	
	0937	5	160	19.40	~~4~~ JHF 4000 5-12-09	6.78	12.9	2464				1	87.4	
	0942	6	160	19.40	4800	6.80	12.9	2467				1	69.6	
	0947	7	160	19.40	5600	6.83	13.1	2467				1	55.4	

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

Weather Conditions/~Temp: Cloudy / 50s °F Precipitate: none Fe^{+2} mg/L= NA

Well Yield: (Low/(Moderate/) High) Sample Clarity: Clear

Sample Collection Time Total Metals - 1000 Hg - 1005 Cl, Fl, TDS, NO_2, SO_4 - 1007 NO_3 - 1031

TOC - 1033 Phenols - 1034 TOX - 1042

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-13

☐ Development
☒ Purging

Date: 5-12-09

Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page 2 of 2

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☒ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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 @ 0859
Total Depth of Well (b): 36.79
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	NA	7200

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
5-12-09	0952	8	160	19.40	6400	6.84	13.1	2473	NA	NA	NA	1	56.7	
	0957	9	160	19.40	7200	6.86	13.3	2457				1	55.0	

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

Weather Conditions/~Temp: Cloudy / 50s °F

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low / Moderate / High)

Sample Clarity: Clear

Sample Collection Time _____

Comments _____

Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 3 of 7

For Low Flow Sampling: Page 1 of 1

Well Number: MW-21

☐ Development
☒ Purging

Date: 5-12-09 Field Personnel: JHF

Site Name/Location: BRPC

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☒ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 10.29 @ 1102
Total Depth of Well (b): 28.75
Length of Water Column in Well (b-a): 18.46
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	NA	2700

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
5-12-09	1110	NA	180	10.29	0.0	7.03	15.9	2279	NA	NA	NA	1	17.5	
	1115	1	180	10.53	900	7.04	15.1	2248				1	8.45	
	Jump 5-12-09 1120 ~~1120~~	2	180	10.63	1800	7.06	15.1	2264				1	<5.0	
	1125	3	180	10.69	2700	7.06	15.0	2263				1	<5.0	

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

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

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time Total Metals - 1129 Hg - 1132 Cl/F/TDS/NO_2/SO_4 - 1134 NO_3 - 1145

TOC - 1147 Phenols - 1149 TOX - 1156

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 4 of 7

Well Number: MW-3A

☐ Development
☒ Purging

Date: 5-12-09

Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page A of A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☒ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 6.23 @ 1217
Total Depth of Well (b): 20.41
Length of Water Column in Well (b-a): 14.18
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	2.3	
3 Casing Vol	6.9	3.35

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
5-12-09	1337	NA	0.13	NA	0.0	6.88	14.8	1141	NA	NA	NA	1	86.3	
	1354	1	0.13		2.3	6.82	13.7	1103				1	73.0	
	1402	2	0.13		3.35	6.84	13.8	983				2	38.0	Dry
	1420	3	NA		NA	6.81	14.0	925				1	20.5	Sample

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

Weather Conditions/~Temp: Sunny / 70s °F

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1420

Comments

Date:

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 5 of 7

Well Number: MW-12

☐ Development
☒ Purging

Date: 5-12-09 Field Personnel: SHF

Site Name/Location: BRPC

For Low Flow Sampling: Page N/A of N/A

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☒ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 10.65 @ 1515
Total Depth of Well (b): 29.06
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	9.0

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
5-12-09	1535	NA	0.2	NA	0.0	6.02	15.8	233.0	NA	NA	NA	1	6.77	
	1550	1	0.2		3.0	6.04	14.8	218.5				1	<5.0	
	1605	2	0.2		6.0	6.04	14.3	223.0				1	<5.0	
	1620	3	0.2		9.0	6.05	14.4	228.7				1	<5.0	

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

Weather Conditions/~Temp: Sunny / 70s °F Precipitate: none Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear

Sample Collection Time 1625

Comments

Revised 2/3/09

Date:

Rogers and Callcott Enginers

Field Meter Calibration Record

Client: BAPC

Date: 5-12-09

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300

SN: JC00262

Probe: 08L100071

Cell Constant 5.24

Time: 0848

Analyst: JHF

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55		9.6	20.4
09-04-31	99.5		99.7	21.3
09-04-33	1000		994	20.5
09-04-45	SSS conc:	447	440.0	20.3

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

Temperature compensation for conductivity meter : 0.0

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100

SN: JC00942

Probe: 605377 08A

Slope: 99.6

Time: 0849

Analyst: JHF

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
08-11-26	4.0		4.01
08-11-27	7.0		6.99
08-11-28	10.0		10.05
08-11-33	SSS conc:	10.0	10.02

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

Temperature compensation for pH meter : 0.1

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 98070001 88 69

Date of most recent calibration: 5-7-09

Time: 0844

Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	3.92	3.91
09-01-23	45.4	43.9
09-01-24	465	469

Date:

Revised 03/18/09

Rogers and Callcott Enginers

Client: BRPC

Date: 5-12-09

Continuing Calibration Verification

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300

SN: JC00262

Probe: 08L 100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1330	JHF	1000	1031 @ 27.4 °C
1800	JHF	99.5	104.3 @ 26.5 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100

SN: JC00842

Probe: 605377 08A

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1330	JHF	7.0	7.07
1800	JHF	4.0	4.08

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 97070001 88 69

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1329	JHF	45.4	44.8
1801	JHF	46.5	4.66

Field Duplicate

Well ID: MW-12

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1621	JHF	226.1	6.04	<5.0	14.4

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

Revised 03/18/09

Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 1 of 10

For Low Flow Sampling: Page 1 of 1

Well Number: MW-18

☐ Development
☒ Purging

Date: 5-13-09

Field Personnel: JHF/BCS

Site Name/Location: BRPC

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☒ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☐ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 76.74 @1518 on 5/12/09
Total Depth of Well (b): 112.50
Length of Water Column in Well (b-a): 35.76
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	NA	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
5-13-09	1335	NA	200	76.74	0.0	6.47	16.2	2797	NA	NA	NA	1	40.3	
	1340	1	200	77.02	1000	6.36	16.1	4337				1	6.88	
	1345	2	200	77.15	2000	6.44	15.8	4115				1	9.19	
	1350	3	200	77.24	3000	6.44	15.9	4213				1	9.45	

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

Weather Conditions/~Temp: Sunny / 70s °F

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time Total Metals - 1354 Hg - 1356 Chloride/Fluoride/TDS/NO3/SO4 - 1358

NO3 - 1409 TOC - 1411 Phenols - 1413 TOX - 1420

Comments

Revised 2/3/09

Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-2

☐ Development
☒ Purging

Date: 5-12-09

Field Personnel: BCS/SHF

Site Name/Location: BRPC

5-13-09 BCS Page ~~8~~ 2 of 10

For Low Flow Sampling: Page ~~NA~~ of

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ _____

Bailer
- ☒ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 4.02 @ 1745
Total Depth of Well (b): 11.84
Length of Water Column in Well (b-a): 7.82
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
5-12	1748	NA	NA	4.02	0.0	9.96	13.7	8260	NA	NA	NA	1	11.9	
5-12	1750	1	NA	Dry	1.3	9.92	13.6	8230	NA	NA	NA	1	15.6	
5-13	1445	NA	NA	NA	Sample	9.90	16.8	7740	NA	NA	NA	1	18.4	

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

Weather Conditions/~Temp: Clear / 70's °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low) Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1445

Comments

Revised 2/3/09

Date:

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-4

☐ Development
☒ Purging

Date: 5-12-09

Field Personnel: BCS/SHF

Site Name/Location: BRPC

3 Page 4 of 10

JHF 5-13-09 NA

For Low Flow Sampling: Page ___ of ___

Method of Well Evacuation

Pump
- ☐ Grundfos
- ☐ Submersible
- ☐ Peristaltic
- ☐ Bladder
- ☐ Waterra
- ☐ Continuous (Recovery Well)
- ☐ ___

Bailer
- ☒ Non Disposable Teflon
- ☐ Disposable Teflon
- ☐ Disposable Poly
- ☐ Dedicated Teflon
- ☐ Dedicated PVC

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): 62.19 @ 1648
Total Depth of Well (b): 83.89
Length of Water Column in Well (b-a): 21.70
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	3.5	
3 Casing Vol	10.5	17.5

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
5-12	1653	NA	NA	62.19	0.0	6.60	16.4	855	NA	NA	NA	1	26.0	
5-12	1700	1	NA	NA	3.5	6.48	15.4	871	NA	NA	NA	1	79.6	
5-12	1707	2	NA	NA	7.0	6.42	15.1	1200	NA	NA	NA	1	61.3	
5-12	1716	3	NA	NA	10.5	6.48	15.1	1463	NA	NA	NA	1	35.9	
5-12	1724	4	NA	NA	14.0	6.50	15.1	1403	NA	NA	NA	1	99.5	
5-12	1732	5	NA	NA	17.5	6.54	15.6	1468	NA	NA	NA	1	45.9	
5-13-09	1503	NA	NA	NA	Sample	NA	NA	NA	NA	NA	NA	1	37.4	Final Turbidity

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

Weather Conditions/~Temp: Clear 70.3 °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time 1503

Comments * Estimated Time

Revised 2/3/09

Reviewed by: ___ Date: ___

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page NA of ____

Well Number: MW-1A

☐ Development
☒ Purging

Date: 5-13-09

Field Personnel: BCS/JHF

Site Name/Location: BRPC

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): 63.73 @ 1522
Total Depth of Well (b): 71.86
Length of Water Column in Well (b-a): 8.13
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	5.2

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
5-13	BCS 5-13-09 ~~1556~~ 1526	NA	NA	63.73	0	6.53	14.4	53.9	NA	NA	NA	1	>1000	
5-13	1528	1	NA	NA	1.3	6.47	14.0	37.9	NA	NA	NA	1	>1000	
5-13	1532	2	NA	NA	2.6	~~6.15~~ 5.97 BCS 5-13-09	13.2	32.3	NA	NA	NA	1	>1000	
5-13	1535	3	NA	NA	3.9	6.03	13.1	32.4	NA	NA	NA	1	>1000	
5-13-09 ~~5-13~~ BCS	1541	4	NA	NA	5.2	6.02	13.1	33.0	NA	NA	NA	1	>1000	
JHF 5-14-09 5-14	0950	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	
5-14-09	1030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Final Turbidity	424

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

Weather Conditions/~Temp: Overcast / 70's °F

Precipitate: None

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Sample Collection Time ~~0950~~ BCS 5-14-09 1030 on 5-14-09

Comments

Revised 2/3/09

Reviewed by: ____ Date: ____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page NA of ____

Well Number: MW-9

☐ Development
☒ Purging

Date: 5-13-09

Field Personnel: BCS/SHF

Site Name/Location: BRPC

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): 42.25 @ 1554
Total Depth of Well (b): 66.84
Length of Water Column in Well (b-a): 24.59
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	4.0	
3 Casing Vol	12.0	4.0

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
5-13	1559	NA	NA	NA	0.0	5.80	15.0	55.2	NA	NA	NA	1	44.6	
5-13	1605	1	NA	Dry	4.0	5.71	14.4	57.6	NA	NA	NA	1	76.1	
5-14	1010	NA	NA	NA	Sample	6.03	16.5	34.5	NA	NA	NA	1	10.9	

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

Weather Conditions/~Temp: Overcast / 70's °F

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

Sample Collection Time 1010

Comments _____

Revised 2/3/09

Reviewed by: _____ Date: _____

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-11

☐ Development
☒ Purging

Date: 5-13-09 Field Personnel: BCS / SHF

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): 11.21 @ 1624
Total Depth of Well (b): 21.70
Length of Water Column in Well (b-a): 10.49
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	1.7	
3 Casing Vol	5.1	6.8

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
5-13	1628	NA	0.21	11.21	0.0	5.57	13.4	45.0	NA	NA	NA	1	12.3	
5-13	1636	1	0.21	16.40	1.7	5.41	12.3	44.0	NA	NA	NA	1	25.9	
5-13	1644 ~~1645~~ 5-13-09 BCS	2	0.21	18.35	3.4	5.44	11.9	43.3	NA	NA	NA	1	14.9	
5-13	1652	3	0.21	19.48	5.1	5.47	11.9	43.4	NA	NA	NA	1	11.7	
5-13	1700	4	0.21	19.83	6.8	5.46	11.8	47.6	NA	NA	NA	1	<5.0	

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

Weather Conditions/~Temp: Overcast / 70s °F

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

Sample Collection Time 1702

Comments

Reviewed by: ____ Date: ____

Revised 2/3/09

Well Number: MW-8

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-13-09 Field Personnel: BCS/JHF

Page 7 of 10

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): 11.73 @ 17:19
Total Depth of Well (b): 29.20
Length of Water Column in Well (b-a): 17.47
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	2.8	
3 Casing Vol	8.4	3.8

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
5-13	1721	NA	NA	11.73	0.0	6.03	14.1	72.2	NA	NA	NA	1	39.5	
5-13	1724	1	NA	NA	2.8	6.17	13.6	68.7	NA	NA	NA	1	297	
5-13	1727	2	NA	Dry	3.8	6.22	13.4	68.2	NA	NA	NA	1	179	
5-14	0950	NA	NA	NA	Sample	6.13	15.8	75.9	NA	NA	NA	1	450	

Weather Conditions/~Temp: Overcast 1605 °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 0950

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.

BCS 5-14-09

Date: 5-13-09 Field Personnel: BCS/SHF

Page 8 of ~~8~~ 10

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): 9.53 @ 1742
Total Depth of Well (b): 26.40
Length of Water Column in Well (b-a): 16.87
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	2.8	
3 Casing Vol	8.4	3.8

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
5-13-09	1745 BCS 5-13-09 ~~1750~~	NA	NA	9.53	0.0	5.59	14.2	444.2	NA	NA	NA	1	133	
5-13-09	1747	1	NA	NA	2.8	5.73	13.6	391.9	NA	NA	NA	1	839	
5-13-09	1748	2	NA	Dry	3.8	5.79	13.5	381.1	NA	NA	NA	1	795	
5-14-09	0930	NA	NA	NA	Sample	5.55	14.3	442.6	NA	NA	NA	1	5.39	

Weather Conditions/~Temp: partly cloudy 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 0930

Comments

Reviewed by: ____ Date: ____

Revised 2/3/09

Well Number: MW-5A

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC. BCS 5-14-09

Date: 5-13-09 Field Personnel: BCS/SHF

Page 9 of 10

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): 37.22 @ 1800
Total Depth of Well (b): 44.50
Length of Water Column in Well (b-a): 7.28
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	1.2	
3 Casing Vol	3.6	1.2

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
5-13	1804	NA	NA	37.22	0.0	5.67	17.5	466.0	NA	NA	NA	1	24.3	
5-13	1805	1	NA	Dry	1.2	5.73	17.3	475.3	NA	NA	NA	1	128	
5-14	0910	NA	NA	NA	Sample	5.36	18.4	590	NA	NA	NA	1	<5.0	

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 0910

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-6

☐ Development
☒ Purging

Date: 5-13-09 Field Personnel: BCS/SHF

Site Name/Location: BRPC

BCS 5-14-09
Page 8 of 10

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): 13.23 @ 1816
Total Depth of Well (b): 20.67
Length of Water Column in Well (b-a): 7.44
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	1.2	
3 Casing Vol	3.6	3.6

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
5-13	1819	NA	0.2	13.23	0.0	5.89	15.0	329.1	NA	NA	NA	1	44.5	
5-13	1825	1	0.2	15.20	1.2	5.81	14.2	413.8	NA	NA	NA	1	7.22	
5-13	1831	2	0.2	15.44	2.4	5.78	14.1	424.5	NA	NA	NA	1	<5.0	
5-13	1837	3	0.2	15.44	3.6	5.77	14	448.8	NA	NA	NA	1	<5.0	

Weather Conditions/~Temp: Overcast 1605 °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 1839

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Enginers
Field Meter Calibration Record

Client: BRPC

Date: ~~5-12-09~~ BCS 5-13-09

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C00660 Probe: 500-4M 0632575

Time: 1323 Analyst: BCS Cell Constant 4.82

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55		10.9	25.6
09-04-31	99.5		99.6	27.0
09-04-33	1000		935	25.9
09-04-45	SSS conc:	447	423.9	27.2

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: 5C03192 Probe: YSI 605377 08.M

Time: 1324 Analyst: BCS Slope: 101.7

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
~~08-11-8~~ 08-11-26	4.0		4.09
08-11-27	7.0		7.04
08-11-28	10.0		10.02
08-11-33	SSS conc:	10.0	10.08

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: 081200 Date of most recent calibration: 5/4/09

Time: 1320 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	4.49	4.38
09-01-23	51.0	50.5
09-01-24	488	486

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Enginers

Continuing Calibration Verification

Client: BRPC **Date:** 5-13-09

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C00660 Probe: 300-4M 06J C575

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1840	BCS	99.5	96.2 @ 21.5 °C
			@ ____ °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 08M

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1840	BCS	7.00	7.03

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 081200033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1840	BCS	4.49	4.41

Field Duplicate

Well ID: MW-6

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1838	BCS	452.9	5.75	45.0	14.1

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

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Enginers
Field Meter Calibration Record

Client: BRPC **Date:** 5-14-09

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC00660 Probe: 300-4M 0652575

Time: 0850 Analyst: BCS Cell Constant 5.24

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
09-04-29	9.55		10.2	19.6
09-04-31	99.5		99.3	19.8
09-04-33	1000		985	19.5
09-04-45	SSS conc:	447	442.6	19.5

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: JC03192 Probe: YSI 605377 08M

Time: 0855 Analyst: BCS Slope: ~~102.9~~ 100.9 BCS 5-14-09

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
08-11-26	4.0		3.98
08-11-27	7.0		BCS 5-14-09 ~~7.06~~ 6.97
08-11-28	10.0		~~10.07~~ 10.06
08-11-33	SSS conc:	10.0	10.05

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: 5-4-09

Time: 0900 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
09-01-22	4.49	4.13
09-01-23	51.0	50.0
09-01-24	488	488

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Enginers
Continuing Calibration Verification

Client: BBPC **Date:** 5-14-09

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C00660 Probe: 300-4M 0652575

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1210	BCS	99.5	100.3 @ ____ °C
			@ ____ °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 08M

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1210	BCS	7.00	6.97

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1210	BCS	4.49	4.37

Field Duplicate

Well ID: CP-Up

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1209	BCS	4422	5.47	<5.0	17.0

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

Reviewed by: _____ Date: _____

Revised 03/18/09