evergreen packaging

Canton Office
175 Main Street • Canton, NC 28716

Certified Mail #7007 3020 0001 6119 7394
Return Receipt Requested

August 16, 2011

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

AUG 22 2011

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 23, 2011 and May 25, 2011. The analytical results were received in my office on July 25, 2011.

Enclosed are the following:

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

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

Sincerely,

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

Paul Dickens
Manager, Environmental
Blue Ridge Paper Products Inc.
paul.dickens@everpack.com
828-646-6141 Fax 828-646-6892

Enclosures

file:mwdata081611

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AN EMPLOYEE-OWNED COMPANY

RECEIVED
JUL 25 2011
BLUE RIDGE PAPER PRODUCTS INC
BHS DEPARTMENT

Laboratory Services Report

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

Date Received: 05/24/2011
Time Received: 07:58
Date Reported: 07/15/2011

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

Sample Number	Sample Description
AD01352	Blue Ridge Paper Co. Pigeon R Down grab, collected on 05/23/2011 at 13:00
AD01353	Blue Ridge Paper Co. BB Up grab, collected on 05/23/2011 at 13:35
AD01354	Blue Ridge Paper Co. BB Down grab, collected on 05/23/2011 at 14:00
AD01355	Blue Ridge Paper Co. BB-3 grab, collected on 05/23/2011 at 14:23
AD01356	Blue Ridge Paper Co. BB-4 grab, collected on 05/23/2011 at 14:42

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: _____
authorized signature

Results reviewed by: _____

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Sample Number	Sample Description, Date and Time Collected
AD01352	Blue Ridge Paper Co. Pigeon R Down grab, collected on 05/23/2011 at 13:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.4	pH units		0.1	05/23/2011 13:00	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	419	umhos/cm		10	05/23/2011 13:00	JHF	SM 2510B
Temperature (Field)	23.8	degrees C		0.1	05/23/2011 13:00	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/23/2011 13:00	JHF	Field Screen
Nitrate-Nitrite as N	0.17	mg/l		0.10	06/02/2011 13:29	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	260	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	7.0	mg/l		0.5	06/08/2011 00:01	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	37	mg/L		1.0	05/27/2011 03:25	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/10/2011 03:02	BSY	EPA 300.0
Sulfate	48	mg/l		1.0	05/27/2011 03:25	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	7.7	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	0.002	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	0.15	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	1.5	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.079	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:02	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	4.0	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	71	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01353	Blue Ridge Paper Co. BB Up grab, collected on 05/23/2011 at 13:35

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.4	pH units		0.1	05/23/2011 13:35	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	73	umhos/cm		10	05/23/2011 13:35	JHF	SM 2510B
Temperature (Field)	20.7	degrees C		0.1	05/23/2011 13:35	JHF	SM 2550B
Turbidity (Field)	45	NTU		5.0	05/23/2011 13:35	JHF	Field Screen
Nitrate-Nitrite as N	0.42	mg/l		0.10	06/02/2011 13:29	REH	SM 4500NO3H
Nitrite as N	0.016	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	61	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	3.5	mg/l		0.5	06/08/2011 01:27	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	3.0	mg/L		1.0	05/26/2011 13:12	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 14:32	BSY	EPA 300.0
Sulfate	3.6	mg/l		1.0	05/26/2011 13:12	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.04	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	4.3	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	1.6	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	1.9	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese	0.11	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:05	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	4.4	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	4.0	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01354	Blue Ridge Paper Co. BB Down grab, collected on 05/23/2011 at 14:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.4	pH units		0.1	05/23/2011 14:00	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	86	umhos/cm		10	05/23/2011 14:00	JHF	SM 2510B
Temperature (Field)	20.6	degrees C		0.1	05/23/2011 14:00	JHF	SM 2550B
Turbidity (Field)	24	NTU		5.0	05/23/2011 14:00	JHF	Field Screen
Nitrate-Nitrite as N	0.47	mg/l		0.10	06/02/2011 13:40	REH	SM 4500NO3H
Nitrite as N	0.021	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	70	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	3.2	mg/l		0.5	06/08/2011 01:55	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	4.9	mg/L		1.0	05/26/2011 14:21	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/10/2011 07:39	BSY	EPA 300.0
Sulfate	4.0	mg/l		1.0	05/26/2011 14:21	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.04	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	4.9	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	1.1	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	2.0	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.089	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:08	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	3.0	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	5.1	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01355	Blue Ridge Paper Co. BB-3 grab, collected on 05/23/2011 at 14:23

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.6	pH units		0.1	05/23/2011 14:23	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	93	umhos/cm		10	05/23/2011 14:23	JHF	SM 2510B
Temperature (Field)	20.6	degrees C		0.1	05/23/2011 14:23	JHF	SM 2550B
Turbidity (Field)	17	NTU		5.0	05/23/2011 14:23	JHF	Field Screen
Nitrate-Nitrite as N	0.52	mg/l		0.10	06/02/2011 13:40	REH	SM 4500NO3H
Nitrite as N	0.013	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	75	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	2.0	mg/l		0.5	06/08/2011 02:24	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	5.1	mg/L		1.0	05/26/2011 14:45	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 15:08	BSY	EPA 300.0
Sulfate	6.6	mg/l		1.0	05/26/2011 14:45	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	4.9	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	0.93	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	2.0	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.063	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:11	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	2.8	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	7.6	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01356	Blue Ridge Paper Co. BB-4 grab, collected on 05/23/2011 at 14:42

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.6	pH units		0.1	05/23/2011 14:42	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	108	umhos/cm		10	05/23/2011 14:42	JHF	SM 2510B
Temperature (Field)	20.5	degrees C		0.1	05/23/2011 14:42	JHF	SM 2550B
Turbidity (Field)	17	NTU		5.0	05/23/2011 14:42	JHF	Field Screen
Nitrate-Nitrite as N	0.52	mg/l		0.10	06/02/2011 13:51	REH	SM 4500NO3H
Nitrite as N	0.013	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	81	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	2.0	mg/l		0.5	06/08/2011 02:49	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	5.5	mg/L		1.0	05/26/2011 15:31	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 16:17	BSY	EPA 300.0
Sulfate	9.7	mg/l		1.0	05/26/2011 15:31	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	5.0	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	1.0	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	2.1	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.077	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:14	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	2.9	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	10	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	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

Date Received: 05/24/2011
Time Received: 07:58
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01357	Blue Ridge Paper Co. Pigeon R Up grab, collected on 05/23/2011 at 15:08
AD01358	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/23/2011 at 16:00
AD01359	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/23/2011 at 16:00
AD01360	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/23/2011 at 16:25
AD01361	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/23/2011 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: _____
authorized signature

Results reviewed by: _____

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Sample Number	Sample Description, Date and Time Collected
AD01357	Blue Ridge Paper Co. Pigeon R Up grab, collected on 05/23/2011 at 15:08

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.8	pH units		0.1	05/23/2011 15:08	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	307	umhos/cm		10	05/23/2011 15:08	JHF	SM 2510B
Temperature (Field)	24.6	degrees C		0.1	05/23/2011 15:08	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/23/2011 15:08	JHF	Field Screen
Nitrate-Nitrite as N	0.15	mg/l		0.10	06/02/2011 13:51	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	192	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	5.0	mg/l		0.5	06/08/2011 03:16	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	30	mg/L		1.0	05/27/2011 03:48	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/10/2011 01:53	BSY	EPA 300.0
Sulfate	37	mg/l		1.0	05/27/2011 03:48	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.02	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	6.1	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	0.13	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	1.2	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.099	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:16	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	2.9	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	52	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01358	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/23/2011 at 16:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
pH (Field)	7.4	pH units		0.1	05/23/2011 16:00	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	90	umhos/cm		10	05/23/2011 16:00	JHF	SM 2510B
Temperature (Field)	23.4	degrees C		0.1	05/23/2011 16:00	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/23/2011 16:00	JHF	Field Screen
Nitrate-Nitrite as N	0.43	mg/l		0.10	06/02/2011 13:51	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	64	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 04:09	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	12	mg/L		1.0	05/26/2011 15:54	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 16:40	BSY	EPA 300.0
Sulfate	3.2	mg/l		1.0	05/26/2011 16:17	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.05	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	4.7	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	2.5	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:19	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	2.1	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	3.4	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	0.06	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01359	Blue Ridge Paper Co. Underflow Drain grab, collected on 05/23/2011 at 16:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
BOD, 5 Day	< RDL	mg/l		2.0	05/25/2011 13:24	MSA	SM 5210B
COD	< RDL	mg/l		20	05/31/2011 10:15	SGM	EPA 410.4

Sample Number	Sample Description, Date and Time Collected
AD01360	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/23/2011 at 16:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
BOD, 5 Day	231	mg/l		2.0	05/25/2011 13:26	MSA	SM 5210B
COD	784	mg/l		20	05/31/2011 10:15	SGM	EPA 410.4
Total Phosphorus as P	40	mg/l		0.02	05/25/2011 14:45	REH	SM 4500PE

Sample Number	Sample Description, Date and Time Collected
AD01361	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/23/2011 at 16:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.

pH (Field)	8.3	pH units		0.1	05/23/2011 16:25	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	22740	umhos/cm		10	05/23/2011 16:25	JHF	SM 2510B
Temperature (Field)	31.2	degrees C		0.1	05/23/2011 16:25	JHF	SM 2550B
Turbidity (Field)	250	NTU		5.0	05/23/2011 16:25	JHF	Field Screen
Nitrate-Nitrite as N	0.10	mg/l		0.10	06/02/2011 13:51	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	18200	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Total Organic Carbon	138	mg/l		0.5	06/08/2011 03:44	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.010	06/06/2011 08:30	KFJ	EPA 420.1
Chloride	308	mg/L		1.0	05/26/2011 19:21	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X S1	5.0	06/15/2011 02:36	BSY	EPA 300.0
Sulfate	1830	mg/l		1.0	05/31/2011 18:37	BSY	EPA 300.0
Arsenic ICPMS	0.904	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	< RDL	mg/l	X	0.10	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l	X	0.01	05/24/2011 12:15	LBH	EPA 200.8
Calcium	27	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l	X	0.20	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l	X	0.50	05/26/2011 13:45	LBH	EPA 200.8

Sample Number	Sample Description, Date and Time Collected
AD01361	Blue Ridge Paper Co. Landfill Leachate grab, collected on 05/23/2011 at 16:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Iron	0.73	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l	X	0.05	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	190	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l	X	0.50	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l	X	0.002	06/07/2011 12:47	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l	X	0.50	05/26/2011 13:45	LBH	EPA 200.8
Potassium	460	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l	X	0.50	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l	X	0.02	05/24/2011 12:15	LBH	EPA 200.8
Sodium	6200	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l	X	0.20	05/24/2011 09:43	MER	EPA 200.7
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	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

Date Received: 05/24/2011
Time Received: 07:58
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01362	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:24
AD01363	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:40
AD01364	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:51
AD01365	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:55
AD01366	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:58
AD01367	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 14:00
AD01368	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 14:04

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: Melissa L. Kenney
authorized signature

Results reviewed by:

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Sample Number	Sample Description, Date and Time Collected
AD01362	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:24

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	107	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Chloride	14	mg/L		1.0	05/26/2011 19:44	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 17:03	BSY	EPA 300.0
Sulfate	< RDL	mg/l		1.0	05/26/2011 16:40	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01363	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:40

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01364	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:51

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.

Sample Number	Sample Description, Date and Time Collected
AD01365	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:55

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 05:07	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01366	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 13:58

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	26.57	feet			05/23/2011 12:49	BCS	
pH (Field)	5.6	pH units		0.1	05/23/2011 13:19	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	136	umhos/cm		10	05/23/2011 13:19	BCS	SM 2510B
Temperature (Field)	17.9	degrees C		0.1	05/23/2011 13:19	BCS	SM 2550B
Turbidity (Field)	7.4	NTU		5.0	05/23/2011 13:19	BCS	Field Screen
Nitrate-Nitrite as N	1.61	mg/l		0.10	06/02/2011 14:01	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01367	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 14:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.13	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	13	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	0.13	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	4.2	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	0.008	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	2.6	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	7.7	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01368	Blue Ridge Paper Co. MW-14 grab, collected on 05/23/2011 at 14:04

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:33	MER	EPA 245.1
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1

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: 05/24/2011
Time Received: 07:58
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01369	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 14:54
AD01370	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:06
AD01371	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:12
AD01372	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:15
AD01373	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:16
AD01374	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:18
AD01375	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:21

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: _____
authorized signature

Results reviewed by: _____

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Sample Number	Sample Description, Date and Time Collected
AD01369	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 14:54

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	47	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Chloride	1.0	mg/L		1.0	05/26/2011 15:08	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 17:26	BSY	EPA 300.0
Sulfate	1.0	mg/l		1.0	05/26/2011 15:08	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01370	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:06

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/06/2011 08:30	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01371	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:12

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.

Sample Number	Sample Description, Date and Time Collected
AD01372	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:15

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 06:10	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01373	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:16

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	26.49	feet			05/23/2011 13:00	BCS	
pH (Field)	5.9	pH units		0.1	05/23/2011 14:53	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	49	umhos/cm		10	05/23/2011 14:53	BCS	SM 2510B
Temperature (Field)	14.4	degrees C		0.1	05/23/2011 14:53	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/23/2011 14:53	BCS	Field Screen
Nitrate-Nitrite as N	0.32	mg/l		0.10	06/02/2011 14:02	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01374	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:18

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	3.9	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	0.002	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	1.4	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Nickel ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	1.3	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	2.8	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	< RDL	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01375	Blue Ridge Paper Co. MW-15 grab, collected on 05/23/2011 at 15:21

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:36	MER	EPA 245.1
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1

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LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
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AN EMPLOYEE-OWNED COMPANY

Laboratory Services Report

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

Date Received: 05/24/2011
Time Received: 07:58
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01376	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:26
AD01377	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:37
AD01378	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:43
AD01379	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:47
AD01380	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:48
AD01381	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:50
AD01382	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:53

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
AD01376	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:26

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/24/2011 10:40	REH	SM 4500NO2B
Total Dissolved Solids	1070	mg/l		25	05/25/2011 14:05	MLR	SM 2540C
Chloride	82	mg/L		1.0	05/26/2011 22:48	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	0.2	06/10/2011 07:16	BSY	EPA 300.0
Sulfate	50	mg/l		1.0	05/26/2011 22:48	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01377	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:37

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01378	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:43

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.

Sample Number	Sample Description, Date and Time Collected
AD01379	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:47

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	11	mg/l		0.5	06/08/2011 06:30	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01380	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:48

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	62.61	feet			05/23/2011 13:15	BCS	
pH (Field)	6.8	pH units		0.1	05/23/2011 16:25	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	1616	umhos/cm		10	05/23/2011 16:25	BCS	SM 2510B
Temperature (Field)	16.6	degrees C		0.1	05/23/2011 16:25	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/23/2011 16:25	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/02/2011 14:02	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01381	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Barium	0.17	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/24/2011 12:15	LBH	EPA 200.8
Calcium	240	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Chromium ICPMS	0.007	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Iron	3.7	mg/l		0.05	05/24/2011 09:43	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Magnesium	37	mg/l		0.10	05/24/2011 09:43	MER	EPA 200.7
Manganese	4.9	mg/l		0.01	05/24/2011 09:43	MER	EPA 200.7
Nickel ICPMS	0.007	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Potassium	24	mg/l		0.5	05/24/2011 09:43	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/24/2011 12:15	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/24/2011 12:15	LBH	EPA 200.8
Sodium	46	mg/l		0.50	05/24/2011 09:43	MER	EPA 200.7
Zinc	0.02	mg/l		0.02	05/24/2011 09:43	MER	EPA 200.7
Digestion for Metals - ICP	Completed				05/24/2011 08:31	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/24/2011 08:31	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01382	Blue Ridge Paper Co. MW-16D grab, collected on 05/23/2011 at 16:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/07/2011 12:44	MER	EPA 245.1
Digestion for Mercury	Completed				06/06/2011 15:23	MER	EPA 245.1

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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

Date Received: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01483	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:02
AD01484	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:12
AD01485	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:17
AD01486	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:20
AD01487	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:21
AD01488	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:22
AD01489	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:24

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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Results released by: Melissa L. Kenney
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Results reviewed by: fla

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Sample Number	Sample Description, Date and Time Collected
AD01483	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:02

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	3010	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Chloride	210	mg/L		1.0	05/27/2011 04:57	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/10/2011 02:16	BSY	EPA 300.0
Sulfate	33	mg/l		1.0	05/27/2011 01:07	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01484	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:12

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01485	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:17

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Sample Number	Sample Description, Date and Time Collected
AD01486	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	62	mg/l		0.5	06/08/2011 07:13	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01487	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:21

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	56.58	feet			05/24/2011 13:18	BCS	
pH (Field)	6.4	pH units		0.1	05/24/2011 13:01	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	4264	umhos/cm		10	05/24/2011 13:01	BCS	SM 2510B
Temperature (Field)	16.5	degrees C		0.1	05/24/2011 13:01	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 13:01	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/02/2011 14:11	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01488	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:22

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.95	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	110	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.007	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	5.0	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	49	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	10	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Nickel ICPMS	0.040	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	12	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	660	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01489	Blue Ridge Paper Co. MW-16S grab, collected on 05/24/2011 at 13:24

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:42	MER	EPA 245.1
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1

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

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Laboratory Services Report

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

Date Received: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01490	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:21
AD01491	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:32
AD01492	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:39
AD01493	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:43
AD01494	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:44
AD01495	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:45
AD01496	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:48

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Sample Number	Sample Description, Date and Time Collected
AD01490	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:21

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	1360	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Chloride	41	mg/L		1.0	05/27/2011 05:20	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/10/2011 01:30	BSY	EPA 300.0
Sulfate	817	mg/l		1.0	05/27/2011 00:21	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01491	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:32

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01492	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:39

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Sample Number	Sample Description, Date and Time Collected
AD01493	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:43

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	2.1	mg/l		0.5	06/08/2011 07:34	MSA	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01494	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:44

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	75.96	feet			05/24/2011 13:52	BCS	
pH (Field)	6.6	pH units		0.1	05/24/2011 14:20	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	1913	umhos/cm		10	05/24/2011 14:20	BCS	SM 2510B
Temperature (Field)	17.0	degrees C		0.1	05/24/2011 14:20	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 14:20	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/02/2011 14:11	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01495	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:45

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.02	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	75	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	30	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	29	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	4.3	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	11	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	250	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01496	Blue Ridge Paper Co. MW-18 grab, collected on 05/24/2011 at 14:48

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:44	MER	EPA 245.1
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1

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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: 05/25/2011
Time Received: 15:17
Date Reported: 07/18/2011

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

Sample Number	*Sample Description*
AD01497	Blue Ridge Paper Co. MW-17 grab, collected on 05/24/2011 at 15:55
AD01498	Blue Ridge Paper Co. MW-20 grab, collected on 05/24/2011 at 17:22
AD01499	Blue Ridge Paper Co. MW-10 grab, collected on 05/24/2011 at 18:05
AD01500	Blue Ridge Paper Co. MW-4 grab, collected on 05/25/2011 at 08:50
AD01501	Blue Ridge Paper Co. MW-1A grab, collected on 05/25/2011 at 09:20
AD01502	Blue Ridge Paper Co. MW-9 grab, collected on 05/25/2011 at 09:57
AD01503	Blue Ridge Paper Co. MW-7A grab, collected on 05/25/2011 at 10:35

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Sample Number	Sample Description, Date and Time Collected
AD01497	Blue Ridge Paper Co. MW-17 grab, collected on 05/24/2011 at 15:55

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Depth to water	46.22	feet			05/24/2011 14:25	BCS	
pH (Field)	5.9	pH units		0.1	05/24/2011 15:54	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	31	umhos/cm		10	05/24/2011 15:54	BCS	SM 2510B
Temperature (Field)	15.1	degrees C		0.1	05/24/2011 15:54	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 15:54	BCS	Field Screen
Nitrate-Nitrite as N	0.40	mg/l		0.10	06/02/2011 14:11	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	33	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 07:54	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	< RDL	mg/L		1.0	05/26/2011 20:07	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 17:49	BSY	EPA 300.0
Sulfate	2.7	mg/l		1.0	05/26/2011 20:07	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.01	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	1.5	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	1.0	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:47	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	1.2	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	1.9	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01498	Blue Ridge Paper Co. MW-20 grab, collected on 05/24/2011 at 17:22

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Depth to water	44.47	feet			05/24/2011 16:56	BCS	
pH (Field)	6.3	pH units		0.1	05/24/2011 17:21	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	96	umhos/cm		10	05/24/2011 17:21	BCS	SM 2510B
Temperature (Field)	15.1	degrees C		0.1	05/24/2011 17:21	BCS	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 17:21	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/02/2011 14:11	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	77	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 08:10	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	3.2	mg/L		1.0	05/26/2011 22:25	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 18:58	BSY	EPA 300.0
Sulfate	15	mg/l		1.0	05/26/2011 22:25	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	4.4	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	6.3	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	2.1	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.021	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:50	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	2.6	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	5.7	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01499	Blue Ridge Paper Co. MW-10 grab, collected on 05/24/2011 at 18:05

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Depth to water	37.21	feet			05/24/2011 17:38	BCS	
pH (Field)	5.9	pH units		0.1	05/24/2011 18:04	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	33	umhos/cm		10	05/24/2011 18:04	BCS	SM 2510B
Temperature (Field)	13.2	degrees C		0.1	05/24/2011 18:04	BCS	SM 2550B
Turbidity (Field)	22	NTU		5.0	05/24/2011 18:04	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:02	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	32	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/08/2011 09:04	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	< RDL	mg/L		1.0	05/26/2011 20:30	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 20:07	BSY	EPA 300.0
Sulfate	1.9	mg/l		1.0	05/26/2011 20:30	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.02	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	2.5	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.51	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	1.8	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.008	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:53	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	1.0	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	1.6	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01500	Blue Ridge Paper Co. MW-4 grab, collected on 05/25/2011 at 08:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

Depth to water	60.33	feet			05/24/2011 08:49	JHF	
pH (Field)	6.4	pH units		0.1	05/25/2011 08:50	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	1217	umhos/cm		10	05/25/2011 08:50	JHF	SM 2510B
Temperature (Field)	16.8	degrees C		0.1	05/25/2011 08:50	JHF	SM 2550B
Turbidity (Field)	19	NTU		5.0	05/25/2011 08:50	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:02	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	796	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	4.6	mg/l		0.5	06/08/2011 09:23	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	72	mg/L		1.0	05/27/2011 05:43	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	0.5	06/10/2011 02:39	BSY	EPA 300.0
Sulfate	227	mg/l		1.0	05/27/2011 01:30	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	17	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	55	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	15	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	1.1	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:55	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	9.0	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	200	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	0.03	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01501	Blue Ridge Paper Co. MW-1A grab, collected on 05/25/2011 at 09:20

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.							
Depth to water	60.03	feet			05/24/2011 09:52	BCS	
pH (Field)	6.4	pH units		0.1	05/25/2011 09:20	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	42	umhos/cm		10	05/25/2011 09:20	BCS	SM 2510B
Temperature (Field)	14.4	degrees C		0.1	05/25/2011 09:20	BCS	SM 2550B
Turbidity (Field)	14	NTU		5.0	05/25/2011 09:20	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:13	REH	SM 4500NO3H
Nitrite as N	0.013	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	41	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	5.3	mg/l		0.5	06/01/2011 05:16	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	< RDL	mg/L		1.0	05/26/2011 20:53	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 20:30	BSY	EPA 300.0
Sulfate	< RDL	mg/l		1.0	05/26/2011 20:53	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.05	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	2.4	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.14	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	0.98	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/09/2011 10:58	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	2.1	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	2.0	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01502	Blue Ridge Paper Co. MW-9 grab, collected on 05/25/2011 at 09:57

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/24/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 13 pages for TOX from Test America.

Depth to water	39.37	feet			05/24/2011 10:25	BCS	
pH (Field)	6.1	pH units		0.1	05/25/2011 09:57	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	35	umhos/cm		10	05/25/2011 09:57	BCS	SM 2510B
Temperature (Field)	16.0	degrees C		0.1	05/25/2011 09:57	BCS	SM 2550B
Turbidity (Field)	13	NTU		5.0	05/25/2011 09:57	BCS	Field Screen
Nitrate-Nitrite as N	0.52	mg/l		0.10	06/07/2011 11:13	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	< RDL	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	1.7	mg/l		0.5	06/08/2011 09:45	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	< RDL	mg/L		1.0	05/26/2011 21:16	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 20:53	BSY	EPA 300.0
Sulfate	2.7	mg/l		1.0	05/26/2011 21:16	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	1.8	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.002	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.06	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	0.95	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.016	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/09/2011 11:01	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	1.7	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	1.7	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01503	Blue Ridge Paper Co. MW-7A grab, collected on 05/25/2011 at 10:35

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				06/24/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 13 pages for TOX from Test America.							
Depth to water	10.49	feet			05/24/2011 10:53	BCS	
pH (Field)	5.6	pH units		0.1	05/25/2011 10:35	BCS	SM 4500HB
Specific Conductance at 25 C (Field)	359	umhos/cm		10	05/25/2011 10:35	BCS	SM 2510B
Temperature (Field)	14.6	degrees C		0.1	05/25/2011 10:35	BCS	SM 2550B
Turbidity (Field)	12	NTU		5.0	05/25/2011 10:35	BCS	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:24	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	260	mg/l		25	05/27/2011 08:35	MLR	SM 2540C
Total Organic Carbon	2.0	mg/l		0.5	06/01/2011 08:26	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	105	mg/L		1.0	05/31/2011 19:00	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 23:35	BSY	EPA 300.0
Sulfate	15	mg/l		1.0	05/27/2011 00:44	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.08	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	25	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.20	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	17	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	1.4	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Mercury	0.0019	mg/l		0.0002	06/09/2011 11:04	MER	EPA 245.1
Nickel ICPMS	0.006	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	3.6	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	12	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/08/2011 12:19	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	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

Date Received: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01504	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:31
AD01505	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:35
AD01506	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:37
AD01507	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:39
AD01508	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:41
AD01509	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:54
AD01510	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 14:02

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: Melissa L. Kenny
authorized signature

Results reviewed by: JL

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Sample Number	Sample Description, Date and Time Collected
AD01504	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:31

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.02	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	12	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.005	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.32	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	8.6	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	1.8	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	4.8	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	470	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01505	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:35

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:17	MER	EPA 245.1
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AD01506	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:37

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	2.7	mg/l		0.5	06/01/2011 08:51	BSY	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01507	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:39

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	19.25	feet			05/24/2011 13:00	JHF	

Sample Number	Sample Description, Date and Time Collected
AD01507	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:39

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
pH (Field)	6.7	pH units		0.1	05/24/2011 13:29	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	2321	umhos/cm		10	05/24/2011 13:29	JHF	SM 2510B
Temperature (Field)	16.8	degrees C		0.1	05/24/2011 13:29	JHF	SM 2550B
Turbidity (Field)	9.0	NTU		5.0	05/24/2011 13:29	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:24	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01508	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:41

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	1560	mg/l		25	05/31/2011 14:00	MLR	SM 2540C
Chloride	44	mg/L		1.0	06/01/2011 04:36	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/10/2011 06:30	BSY	EPA 300.0
Sulfate	730	mg/l		1.0	05/31/2011 19:46	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01509	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 13:54

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01510	Blue Ridge Paper Co. MW-13 grab, collected on 05/24/2011 at 14:02

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 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: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01511	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:47
AD01512	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:50
AD01513	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:52
AD01514	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:53
AD01515	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:55
AD01516	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 15:05
AD01517	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 15:13

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
AD01511	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:47

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.03	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	280	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.10	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	26	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.035	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Nickel ICPMS	0.008	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	18	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	160	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01512	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:20	MER	EPA 245.1
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1

Sample Number	Sample Description, Date and Time Collected
AD01513	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:52

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Organic Carbon	2.5	mg/l		0.5	06/01/2011 09:12	BSY	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01514	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	10.41	feet			05/24/2011 14:25	JHF	

Sample Number	Sample Description, Date and Time Collected
AD01514	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:53

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
pH (Field)	6.8	pH units		0.1	05/24/2011 14:44	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	2149	umhos/cm		10	05/24/2011 14:44	JHF	SM 2510B
Temperature (Field)	15.4	degrees C		0.1	05/24/2011 14:44	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 14:44	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:24	REH	SM 4500NO3H

Sample Number	Sample Description, Date and Time Collected
AD01515	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 14:55

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	1760	mg/l		25	05/31/2011 14:00	MLR	SM 2540C
Chloride	76	mg/L		1.0	06/01/2011 04:13	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	1.0	06/10/2011 06:06	BSY	EPA 300.0
Sulfate	938	mg/l		1.0	05/31/2011 20:09	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01516	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 15:05

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01517	Blue Ridge Paper Co. MW-21 grab, collected on 05/24/2011 at 15:13

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

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LABORATORY SERVICES

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

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Laboratory Services Report

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

Date Received: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01518	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:43
AD01519	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:44
AD01520	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:46
AD01521	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:50
AD01522	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:52

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Sample Number	Sample Description, Date and Time Collected
AD01518	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:43

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.05	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	17	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	11	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:28	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	3.7	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	26	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	0.02	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01519	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:44

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Depth to water	11.35	feet			05/24/2011 15:31	JHF	
pH (Field)	6.0	pH units		0.1	05/24/2011 16:41	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	327	umhos/cm		10	05/24/2011 16:41	JHF	SM 2510B
Temperature (Field)	14.3	degrees C		0.1	05/24/2011 16:41	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/24/2011 16:41	JHF	Field Screen
Nitrate-Nitrite as N	1.3	mg/l		0.10	06/07/2011 11:24	REH	SM 4500NO3H
Total Organic Carbon	< RDL	mg/l		0.5	06/01/2011 09:32	BSY	SM 5310C

Sample Number	Sample Description, Date and Time Collected
AD01520	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:46

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	214	mg/l		25	05/31/2011 14:00	MLR	SM 2540C
Chloride	18	mg/L		1.0	05/31/2011 19:23	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 22:03	BSY	EPA 300.0
Sulfate	50	mg/l		1.0	06/01/2011 10:52	BSY	EPA 300.0

Sample Number	Sample Description, Date and Time Collected
AD01521	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:50

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1

Sample Number	Sample Description, Date and Time Collected
AD01522	Blue Ridge Paper Co. MW-12 grab, collected on 05/24/2011 at 16:52

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.

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P.O. Box 5655, Greenville, SC 29606
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Laboratory Services Report

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

Date Received: 05/25/2011
Time Received: 15:17
Date Reported: 07/15/2011

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

Sample Number	*Sample Description*
AD01523	Blue Ridge Paper Co. MW-8 grab, collected on 05/25/2011 at 09:40
AD01524	Blue Ridge Paper Co. MW-5A grab, collected on 05/25/2011 at 10:30
AD01525	Blue Ridge Paper Co. MW-3A grab, collected on 05/25/2011 at 11:00
AD01526	Blue Ridge Paper Co. MW-2 grab, collected on 05/25/2011 at 11:25

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Sample Number	Sample Description, Date and Time Collected
AD01523	Blue Ridge Paper Co. MW-8 grab, collected on 05/25/2011 at 09:40

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.							
Depth to water	10.72	feet			05/24/2011 09:57	JHF	
pH (Field)	6.6	pH units		0.1	05/25/2011 09:40	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	83	umhos/cm		10	05/25/2011 09:40	JHF	SM 2510B
Temperature (Field)	14.6	degrees C		0.1	05/25/2011 09:40	JHF	SM 2550B
Turbidity (Field)	5.0	NTU		5.0	05/25/2011 09:40	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:35	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	64	mg/l		25	05/31/2011 14:00	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/01/2011 09:49	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/13/2011 08:15	KFJ	EPA 420.1
Chloride	1.4	mg/L		1.0	06/01/2011 01:55	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 22:26	BSY	EPA 300.0
Sulfate	16	mg/l		1.0	05/27/2011 01:53	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	5.3	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	1.2	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	1.8	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.135	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:31	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	3.1	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	3.1	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01524	Blue Ridge Paper Co. MW-5A grab, collected on 05/25/2011 at 10:30

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.							
Depth to water	35.88	feet			05/24/2011 10:35	JHF	
pH (Field)	5.5	pH units		0.1	05/25/2011 10:30	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	456	umhos/cm		10	05/25/2011 10:30	JHF	SM 2510B
Temperature (Field)	19.3	degrees C		0.1	05/25/2011 10:30	JHF	SM 2550B
Turbidity (Field)	19	NTU		5.0	05/25/2011 10:30	JHF	Field Screen
Nitrate-Nitrite as N	0.89	mg/l		0.10	06/07/2011 11:35	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	344	mg/l		25	06/01/2011 15:05	MLR	SM 2540C
Total Organic Carbon	1.9	mg/l		0.5	06/01/2011 10:10	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	123	mg/L		1.0	06/01/2011 09:43	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	0.5	06/10/2011 05:43	BSY	EPA 300.0
Sulfate	19	mg/l		1.0	06/01/2011 01:32	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.13	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	24	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.51	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	23	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	13	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:34	MER	EPA 245.1
Nickel ICPMS	0.011	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	4.8	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	19	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	0.02	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01525	Blue Ridge Paper Co. MW-3A grab, collected on 05/25/2011 at 11:00

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.							
Depth to water	6.89	feet			05/24/2011 11:07	JHF	
pH (Field)	6.6	pH units		0.1	05/25/2011 11:00	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	1060	umhos/cm		10	05/25/2011 11:00	JHF	SM 2510B
Temperature (Field)	13.6	degrees C		0.1	05/25/2011 11:00	JHF	SM 2550B
Turbidity (Field)	30	NTU		5.0	05/25/2011 11:00	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:35	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	740	mg/l		25	06/01/2011 15:05	MLR	SM 2540C
Total Organic Carbon	0.90	mg/l		0.5	06/01/2011 11:15	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	40	mg/L		1.0	06/01/2011 03:27	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 21:39	BSY	EPA 300.0
Sulfate	237	mg/l		1.0	05/31/2011 21:41	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.05	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	110	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.002	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	39	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	33	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	0.59	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:37	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	10	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	32	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01526	Blue Ridge Paper Co. MW-2 grab, collected on 05/25/2011 at 11:25

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 30 pages for TOX from Test America.							
Depth to water	4.24	feet			05/24/2011 11:28	JHF	
pH (Field)	9.9	pH units		0.1	05/25/2011 11:25	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	7870	umhos/cm		10	05/25/2011 11:25	JHF	SM 2510B
Temperature (Field)	16.0	degrees C		0.1	05/25/2011 11:25	JHF	SM 2550B
Turbidity (Field)	12	NTU		5.0	05/25/2011 11:25	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l	X	0.20	06/07/2011 14:44	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	5850	mg/l		25	06/01/2011 15:05	MLR	SM 2540C
Total Organic Carbon	170	mg/l		0.5	06/01/2011 12:21	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l	X	0.010	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	189	mg/L		1.0	05/31/2011 20:32	BSY	EPA 300.0
Fluoride	4.8	mg/l		2.0	06/10/2011 04:34	BSY	EPA 300.0
Sulfate	173	mg/l		1.0	05/31/2011 20:32	BSY	EPA 300.0
Arsenic ICPMS	0.020	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	< RDL	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	3.1	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.016	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	0.005	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	1.2	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	0.13	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.026	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:39	MER	EPA 245.1
Nickel ICPMS	0.096	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	65	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	2100	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	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

Date Received: 05/25/2011
Time Received: 17:25
Date Reported: 07/18/2011

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

Sample Number	*Sample Description*
AD01552	Blue Ridge Paper Co. MW-11 grab, collected on 05/25/2011 at 12:35
AD01553	Blue Ridge Paper Co. MW-6 grab, collected on 05/25/2011 at 14:18

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: _____
authorized signature

Results reviewed by: _____

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Sample Number	Sample Description, Date and Time Collected
AD01552	Blue Ridge Paper Co. MW-11 grab, collected on 05/25/2011 at 12:35

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.

Depth to water	11.18	feet			05/24/2011 17:43	JHF	
pH (Field)	6.3	pH units		0.1	05/25/2011 12:35	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	55	umhos/cm		10	05/25/2011 12:35	JHF	SM 2510B
Temperature (Field)	13.7	degrees C		0.1	05/25/2011 12:35	JHF	SM 2550B
Turbidity (Field)	8.2	NTU		5.0	05/25/2011 12:35	JHF	Field Screen
Nitrate-Nitrite as N	0.13	mg/l		0.10	06/07/2011 11:46	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	< RDL	mg/l		25	06/01/2011 15:05	MLR	SM 2540C
Total Organic Carbon	< RDL	mg/l		0.5	06/01/2011 13:06	BSY	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloride	1.4	mg/L		1.0	05/31/2011 23:37	BSY	EPA 300.0
Fluoride	< RDL	mg/l		0.1	06/09/2011 21:16	BSY	EPA 300.0
Sulfate	9.0	mg/l		1.0	05/31/2011 23:14	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.01	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	1.1	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	< RDL	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	1.6	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese ICPMS	0.007	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:50	MER	EPA 245.1
Nickel ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	0.79	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	1.9	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	0.04	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

Sample Number	Sample Description, Date and Time Collected
AD01553	Blue Ridge Paper Co. MW-6 grab, collected on 05/25/2011 at 14:18

Parameter	Result	Unit	Flag	RDL	Date/Time	Analyst	Method
Subcontracted Sample Analysis	Completed				07/13/2011 00:00		
Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 29 pages for TOX from Test America.							
Depth to water	14.00	feet			05/25/2011 13:58	JHF	
pH (Field)	5.5	pH units		0.1	05/25/2011 14:16	JHF	SM 4500HB
Specific Conductance at 25 C (Field)	780	umhos/cm		10	05/25/2011 14:16	JHF	SM 2510B
Temperature (Field)	14.4	degrees C		0.1	05/25/2011 14:16	JHF	SM 2550B
Turbidity (Field)	< RDL	NTU		5.0	05/25/2011 14:16	JHF	Field Screen
Nitrate-Nitrite as N	< RDL	mg/l		0.10	06/07/2011 11:46	REH	SM 4500NO3H
Nitrite as N	< RDL	mg/l		0.010	05/26/2011 10:20	REH	SM 4500NO2B
Total Dissolved Solids	258	mg/l		25	06/01/2011 15:05	MLR	SM 2540C
Total Organic Carbon	0.81	mg/l		0.5	06/08/2011 10:09	MSA	SM 5310C
Total Recoverable Phenols	< RDL	mg/l		0.005	06/15/2011 08:55	KFJ	EPA 420.1
Chloridë	85	mg/L		1.0	06/01/2011 11:38	BSY	EPA 300.0
Fluoride	< RDL	mg/l	X	0.2	06/10/2011 06:53	BSY	EPA 300.0
Sulfate	35	mg/l		1.0	06/01/2011 01:09	BSY	EPA 300.0
Arsenic ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Barium	0.11	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Cadmium ICPMS	< RDL	mg/l		0.001	05/26/2011 13:45	LBH	EPA 200.8
Calcium	30	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Chromium ICPMS	0.003	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Copper ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Iron	0.43	mg/l		0.05	05/26/2011 09:47	MER	EPA 200.7
Lead ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Magnesium	21	mg/l		0.10	05/26/2011 09:47	MER	EPA 200.7
Manganese	4.8	mg/l		0.01	05/26/2011 09:47	MER	EPA 200.7
Mercury	< RDL	mg/l		0.0002	06/16/2011 10:53	MER	EPA 245.1
Nickel ICPMS	0.016	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Potassium	5.2	mg/l		0.5	05/26/2011 09:47	MER	EPA 200.7
Selenium ICPMS	< RDL	mg/l		0.005	05/26/2011 13:45	LBH	EPA 200.8
Silver ICPMS	< RDL	mg/l		0.002	05/26/2011 13:45	LBH	EPA 200.8
Sodium	19	mg/l		0.50	05/26/2011 09:47	MER	EPA 200.7
Zinc ICPMS	< RDL	mg/l		0.02	05/26/2011 13:45	LBH	EPA 200.8
Digestion for Mercury	Completed				06/15/2011 14:44	MER	EPA 245.1
Digestion for Metals - ICP	Completed				05/26/2011 08:48	MER	SM 3030C
Digestion for Metals - ICPMS	Completed				05/26/2011 08:48	LBH	SM 3030C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: NUE4680
Client Project/Site: [none]
Client Project Description: TOX, SC

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

Attn: Susan Gunter

Authorized for release by:
07/05/2011 03:12:15 PM

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

LINKS

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

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Sample Summary

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

TestAmerica Job ID: NUE4680

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUE4680-01	AD01352-N Pigeon R Down	Water	05/23/11 13:00	05/27/11 08:45
NUE4680-02	AD01353-N BB Up	Water	05/23/11 13:35	05/27/11 08:45
NUE4680-03	AD01354-N BB Down	Water	05/23/11 14:00	05/27/11 08:45
NUE4680-04	AD01355-N BB-3	Water	05/23/11 14:23	05/27/11 08:45
NUE4680-05	AD01356-N BB-4	Water	05/23/11 14:42	05/27/11 08:45
NUE4680-06	AD01357-N Pigeon R Up	Water	05/23/11 15:08	05/27/11 08:45
NUE4680-07	AD01358-N Underflow Drain	Water	05/23/11 16:00	05/27/11 08:45
NUE4680-08	AD01361-N Landfill Leachate	Water	05/23/11 16:25	05/27/11 08:45
NUE4680-09	AD01364 MW-14	Water	05/23/11 13:51	05/27/11 08:45
NUE4680-10	AD01371 MW-15	Water	05/23/11 15:12	05/27/11 08:45
NUE4680-11	AD01378 MW-16D	Water	05/23/11 16:43	05/27/11 08:45
NUE4680-12	AD01552-N MW-11	Water	05/25/11 12:35	05/27/11 08:45
NUE4680-13	AD01553-N MW-6	Water	05/25/11 14:18	05/27/11 08:45

Definitions/Glossary

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

TestAmerica Job ID: NUE4680

Qualifiers

WetChem

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01352-N Pigeon R Down

Lab Sample ID: NUE4680-01
Matrix: Water

Date Collected: 05/23/11 13:00
Date Received: 05/27/11 08:45

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.201		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01353-N BB Up

Date Collected: 05/23/11 13:35
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-02
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01354-N BB Down

Lab Sample ID: NUE4680-03
Matrix: Water

Date Collected: 05/23/11 14:00
Date Received: 05/27/11 08:45

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01355-N BB-3

Lab Sample ID: NUE4680-04
Matrix: Water

Date Collected: 05/23/11 14:23
Date Received: 05/27/11 08:45

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01356-N BB-4

Date Collected: 05/23/11 14:42
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-05

Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01357-N Pigeon R Up

Date Collected: 05/23/11 15:08
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-06
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0882		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01358-N Underflow Drain

Lab Sample ID: NUE4680-07
Matrix: Water

Date Collected: 05/23/11 16:00
Date Received: 05/27/11 08:45

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01361-N Landfill Leachate

Date Collected: 05/23/11 16:25
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-08
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.325		0.120		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01364 MW-14
Date Collected: 05/23/11 13:51
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-09
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01371 MW-15

Lab Sample ID: NUE4680-10

Date Collected: 05/23/11 15:12
Date Received: 05/27/11 08:45

Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01378 MW-16D
Date Collected: 05/23/11 16:43
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-11
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.104		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01552-N MW-11
Date Collected: 05/25/11 12:35
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-12
Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01553-N MW-6

Lab Sample ID: NUE4680-13

Date Collected: 05/25/11 14:18
Date Received: 05/27/11 08:45

Matrix: Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0570		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

QC Sample Results

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

TestAmerica Job ID: NUE4680

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 11F2022-BLK1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

Lab Sample ID: 11F2022-BS1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.250	0.255		mg/L		102	90 - 120

Lab Sample ID: 11F2022-BSD1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.245		mg/L		98	90 - 120	4	40

Lab Sample ID: 11F2022-MS1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.0931		mg/L		93	70 - 130

Lab Sample ID: 11F2022-MS2
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: AD01552-N MW-11
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.123		mg/L		123	70 - 130

Lab Sample ID: 11F4979-BLK1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Lab Sample ID: 11F4979-BS1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.250	0.268		mg/L		107	90 - 120

Lab Sample ID: 11F4979-BSD1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.259		mg/L		104	90 - 120	4	40

QC Sample Results

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

TestAmerica Job ID: NUE4680

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

Lab Sample ID: 11F4979-MS1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: AD01355-N BB-3
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.0846		mg/L		85	70 - 130

Lab Sample ID: 11F4979-MS2
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.0646	M8	mg/L		65	70 - 130

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QC Association Summary

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

TestAmerica Job ID: NUE4680

WetChem

Analysis Batch: 11F2022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F2022-BLK1	Method Blank	Total	Water	SW846 9020B	11F2022_P
11F2022-BS1	Lab Control Sample	Total	Water	SW846 9020B	11F2022_P
11F2022-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	11F2022_P
11F2022-MS1	Matrix Spike	Total	Water	SW846 9020B	11F2022_P
11F2022-MS2	AD01552-N MW-11	Total	Water	SW846 9020B	11F2022_P
NUE4680-12	AD01552-N MW-11	Total	Water	SW846 9020B	11F2022_P
NUE4680-13	AD01553-N MW-6	Total	Water	SW846 9020B	11F2022_P

Analysis Batch: 11F4979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4979-BLK1	Method Blank	Total	Water	SW846 9020B	11F4979_P
11F4979-BS1	Lab Control Sample	Total	Water	SW846 9020B	11F4979_P
11F4979-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	11F4979_P
11F4979-MS1	AD01355-N BB-3	Total	Water	SW846 9020B	11F4979_P
11F4979-MS2	Matrix Spike	Total	Water	SW846 9020B	11F4979_P
NUE4680-01	AD01352-N Pigeon R Down	Total	Water	SW846 9020B	11F4979_P
NUE4680-02	AD01353-N BB Up	Total	Water	SW846 9020B	11F4979_P
NUE4680-03	AD01354-N BB Down	Total	Water	SW846 9020B	11F4979_P
NUE4680-04	AD01355-N BB-3	Total	Water	SW846 9020B	11F4979_P
NUE4680-05	AD01356-N BB-4	Total	Water	SW846 9020B	11F4979_P
NUE4680-06	AD01357-N Pigeon R Up	Total	Water	SW846 9020B	11F4979_P
NUE4680-07	AD01358-N Underflow Drain	Total	Water	SW846 9020B	11F4979_P
NUE4680-08	AD01361-N Landfill Leachate	Total	Water	SW846 9020B	11F4979_P
NUE4680-09	AD01364 MW-14	Total	Water	SW846 9020B	11F4979_P
NUE4680-10	AD01371 MW-15	Total	Water	SW846 9020B	11F4979_P
NUE4680-11	AD01378 MW-16D	Total	Water	SW846 9020B	11F4979_P

Prep Batch: 11F2022_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F2022-BLK1	Method Blank	Total	Water	NO PREP	
11F2022-BS1	Lab Control Sample	Total	Water	NO PREP	
11F2022-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
11F2022-MS1	Matrix Spike	Total	Water	NO PREP	
11F2022-MS2	AD01552-N MW-11	Total	Water	NO PREP	
NUE4680-12	AD01552-N MW-11	Total	Water	NO PREP	
NUE4680-13	AD01553-N MW-6	Total	Water	NO PREP	

Prep Batch: 11F4979_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4979-BLK1	Method Blank	Total	Water	NO PREP	
11F4979-BS1	Lab Control Sample	Total	Water	NO PREP	
11F4979-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
11F4979-MS1	AD01355-N BB-3	Total	Water	NO PREP	
11F4979-MS2	Matrix Spike	Total	Water	NO PREP	
NUE4680-01	AD01352-N Pigeon R Down	Total	Water	NO PREP	
NUE4680-02	AD01353-N BB Up	Total	Water	NO PREP	
NUE4680-03	AD01354-N BB Down	Total	Water	NO PREP	
NUE4680-04	AD01355-N BB-3	Total	Water	NO PREP	
NUE4680-05	AD01356-N BB-4	Total	Water	NO PREP	
NUE4680-06	AD01357-N Pigeon R Up	Total	Water	NO PREP	
NUE4680-07	AD01358-N Underflow Drain	Total	Water	NO PREP	
NUE4680-08	AD01361-N Landfill Leachate	Total	Water	NO PREP	

QC Association Summary

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

TestAmerica Job ID: NUE4680

WetChem (Continued)

Prep Batch: 11F4979_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUE4680-09	AD01364 MW-14	Total	Water	NO PREP	
NUE4680-10	AD01371 MW-15	Total	Water	NO PREP	
NUE4680-11	AD01378 MW-16D	Total	Water	NO PREP	

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Lab Chronicle

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01352-N Pigeon R Down

Lab Sample ID: NUE4680-01
Matrix: Water

Date Collected: 05/23/11 13:00
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01353-N BB Up

Lab Sample ID: NUE4680-02
Matrix: Water

Date Collected: 05/23/11 13:35
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01354-N BB Down

Lab Sample ID: NUE4680-03
Matrix: Water

Date Collected: 05/23/11 14:00
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01355-N BB-3

Lab Sample ID: NUE4680-04
Matrix: Water

Date Collected: 05/23/11 14:23
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01356-N BB-4

Lab Sample ID: NUE4680-05
Matrix: Water

Date Collected: 05/23/11 14:42
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01357-N Pigeon R Up

Lab Sample ID: NUE4680-06
Matrix: Water

Date Collected: 05/23/11 15:08
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01358-N Underflow Drain

Lab Sample ID: NUE4680-07
Matrix: Water

Date Collected: 05/23/11 16:00
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01361-N Landfill Leachate

Lab Sample ID: NUE4680-08
Matrix: Water

Date Collected: 05/23/11 16:25
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		4.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01364 MW-14

Lab Sample ID: NUE4680-09
Matrix: Water

Date Collected: 05/23/11 13:51
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01371 MW-15

Lab Sample ID: NUE4680-10
Matrix: Water

Date Collected: 05/23/11 15:12
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01378 MW-16D

Lab Sample ID: NUE4680-11
Matrix: Water

Date Collected: 05/23/11 16:43
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01552-N MW-11

Lab Sample ID: NUE4680-12
Matrix: Water

Date Collected: 05/25/11 12:35
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F2022_P	06/08/11 15:22	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F2022	06/09/11 16:21	SHJ	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: NUE4680

Client Sample ID: AD01553-N MW-6

Date Collected: 05/25/11 14:18
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4680-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F2022_P	06/08/11 15:22	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F2022	06/09/11 16:21	SHJ	TAL NSH

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

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Method Summary

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

TestAmerica Job ID: NUE4680

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

Protocol References:

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: NUE4680

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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

TestAmerica
LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

NUE4680

Cooler Received/Opened On 5/27/2011 @ 0845

1 Tracking # 4087 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2 Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

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

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

If yes, how many and where: _____

5 Were the seals intact, signed, and dated correctly? YES...NO...NA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BIS - Broken in shipment
Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

07/05/2011

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

NUE4680
06/28/11 23:59

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN HUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 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								
1	5.23	1330	PIGEON R DOWN	1	1								NUE4680 01
2		1335	BB UP	1	1								02
3		1400	BB DOWN	1	1								03
4		1423	BB - 3	1	1								04
5		1442	BB - 4	1	1								05
6		1505	PIGEON R UP	1	1								06
7		1005	UNDERFLOW DRAIN	1	1								07

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

COMMENTS: SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①	5.23.11 1600	② Shipper Name & #	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

07/05/2011

ROGERS & CALLCOTT
LABORATORY SERVICES
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Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

NUE4680
06/28/11 23:59

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

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								Preserved (Code)	COMMENTS:
Filtered (Yes/No)					N									
~~Cooled (Yes/No)~~					Y									
Container Type (P/G)					G									
Container Volume					500 ml									
Sample Type (Grab/Composite)					G									
Sample Source (WW, GW, DW, Other)					GW									
Sample Source Chlorinated (Yes/No)					N									
Lab Receipt Cl2 Check														
Lab Receipt pH Check														
Preserved (Code)					B									
AD	01361-N	5-23	1625	LANDFILL LEACHATE	1	1								SUB TO TEST AMERICA 4GSU CS
	01364		1351	MW-14	1	1								09
	01371		1512	MW-15	1	1								10
	01318		1643	MW-16D	1	1								11
AI	01552-N	5-25	13[illegible]	MW-11	1	1								12
	01557-N		1[illegible]	MW-16	1	1								13

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	KNOWN HAZARDS ASSOCIATED WITH SAMPLES
① [illegible]	[illegible]	② Shipper Name & #		

07/05/2011

ROGERS & CALLCOTT LABORATORY SERVICES

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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. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX							
					B							
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												
AD 01352-N	5.23	1300	PIGEON R DOWN	1	1							
01353-N		1335	BB UP	1	1							
01354-N		1400	BB DOWN	1	1							
01355-N		1423	BB-3	1	1							
01356-N		1442	BB-4	1	1							
01357-N		1508	PIGEON R UP	1	1							
01358-N		1600	UNDERFLOW DRAIN	1	1							

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

COMMENTS: BRPC

SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.26.11 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

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. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								
					B								
AD 01361-N	5.23	1625	LANDFILL LEACHATE	1	1								
01364		1351	MW-14	1	1								
01371		1512	MW-15	1	1								
01378	+	1643	MW-16D	1	1								
AD 01552-N	5.25	1255	MW-11	1	1								
+ 01553-N	+	1418	MW-6	1	1								

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)													

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: BR PC

SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.26.11 | 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: NUE4803
Client Project/Site: [none]
Client Project Description: TOX, SC

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

Attn: Susan Gunter

Authorized for release by:
07/12/2011 04:58:10 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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Sample Summary

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

TestAmerica Job ID: NUE4803

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUE4803-01	AD01510 MW-13	Ground Water	05/24/11 14:02	05/27/11 08:45
NUE4803-02	AD01517 MW-21	Ground Water	05/24/11 15:13	05/27/11 08:45
NUE4803-03	AD01522 MW-12	Ground Water	05/24/11 16:52	05/27/11 08:45
NUE4803-04	AD01523-N MW-8	Ground Water	05/25/11 09:40	05/27/11 08:45
NUE4803-05	AD01524-N MW-5A	Ground Water	05/25/11 10:30	05/27/11 08:45
NUE4803-06	AD01525-N MW-3A	Ground Water	05/25/11 11:00	05/27/11 08:45
NUE4803-07	AD01526-N MW-2	Ground Water	05/25/11 11:25	05/27/11 08:45
NUE4803-08	AD01485 MW-16S	Ground Water	05/24/11 13:17	05/27/11 08:45
NUE4803-09	AD01492 MW-18	Ground Water	05/24/11 14:39	05/27/11 08:45
NUE4803-10	AD01497-N MW-17	Ground Water	05/24/11 15:55	05/27/11 08:45
NUE4803-11	AD01498-N MW-20	Ground Water	05/24/11 17:22	05/27/11 08:45
NUE4803-12	AD01499-N MW-10	Ground Water	05/24/11 18:05	05/27/11 08:45
NUE4803-13	AD01500-N MW-4	Ground Water	05/25/11 08:50	05/27/11 08:45
NUE4803-14	AD01501-N MW-1A	Ground Water	05/25/11 09:20	05/27/11 08:45

Definitions/Glossary

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

TestAmerica Job ID: NUE4803

Qualifiers

WetChem

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01510 MW-13
Date Collected: 05/24/11 14:02
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-01
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01517 MW-21

Date Collected: 05/24/11 15:13
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-02
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0682		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01522 MW-12

Date Collected: 05/24/11 16:52
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-03
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01523-N MW-8
Date Collected: 05/25/11 09:40
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-04
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0386		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01524-N MW-5A

Date Collected: 05/25/11 10:30
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-05

Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.171		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01525-N MW-3A
Date Collected: 05/25/11 11:00
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-06
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.184		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01526-N MW-2

Date Collected: 05/25/11 11:25
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-07
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	3.67		3.00		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01485 MW-16S
Date Collected: 05/24/11 13:17
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-08
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0717		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01492 MW-18

Date Collected: 05/24/11 14:39
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-09
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0838		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01497-N MW-17
Date Collected: 05/24/11 15:55
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-10
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01498-N MW-20

Date Collected: 05/24/11 17:22
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-11

Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01499-N MW-10

Date Collected: 05/24/11 18:05
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-12

Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01500-N MW-4

Date Collected: 05/25/11 08:50
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-13

Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.267		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01501-N MW-1A

Date Collected: 05/25/11 09:20
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4803-14
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

QC Sample Results

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

TestAmerica Job ID: NUE4803

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 11F4979-BLK1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/20/11 08:52	06/20/11 12:15	1.00

Lab Sample ID: 11F4979-BS1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.250	0.268		mg/L		107	90 - 120

Lab Sample ID: 11F4979-BSD1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.259		mg/L		104	90 - 120	4	40

Lab Sample ID: 11F4979-MS1
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.0846		mg/L		85	70 - 130

Lab Sample ID: 11F4979-MS2
Matrix: Water
Analysis Batch: 11F4979

Client Sample ID: AD01499-N MW-10
Prep Type: Total
Prep Batch: 11F4979_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	ND		0.100	0.0646	M8	mg/L		65	70 - 130

Lab Sample ID: 11F5241-BLK1
Matrix: Water
Analysis Batch: 11F5241

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5241_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/21/11 10:08	06/22/11 13:30	1.00

Lab Sample ID: 11F5241-BS1
Matrix: Water
Analysis Batch: 11F5241

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5241_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.250	0.246		mg/L		99	90 - 120

Lab Sample ID: 11F5241-BSD1
Matrix: Water
Analysis Batch: 11F5241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5241_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.260		mg/L		104	90 - 120	5	40

QC Sample Results

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

TestAmerica Job ID: NUE4803

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

Lab Sample ID: 11F5241-MS2
Matrix: Water
Analysis Batch: 11F5241

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F5241_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.0248		0.100	0.100		mg/L		76	70 - 130

6

QC Association Summary

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

TestAmerica Job ID: NUE4803

WetChem

Analysis Batch: 11F4979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4979-BLK1	Method Blank	Total	Water	SW846 9020B	11F4979_P
11F4979-BS1	Lab Control Sample	Total	Water	SW846 9020B	11F4979_P
11F4979-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	11F4979_P
11F4979-MS1	Matrix Spike	Total	Water	SW846 9020B	11F4979_P
11F4979-MS2	AD01499-N MW-10	Total	Water	SW846 9020B	11F4979_P
NUE4803-01	AD01510 MW-13	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-02	AD01517 MW-21	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-03	AD01522 MW-12	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-08	AD01485 MW-16S	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-09	AD01492 MW-18	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-10	AD01497-N MW-17	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-11	AD01498-N MW-20	Total	Ground Water	SW846 9020B	11F4979_P
NUE4803-12	AD01499-N MW-10	Total	Ground Water	SW846 9020B	11F4979_P

Analysis Batch: 11F5241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5241-BLK1	Method Blank	Total	Water	SW846 9020B	11F5241_P
11F5241-BS1	Lab Control Sample	Total	Water	SW846 9020B	11F5241_P
11F5241-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	11F5241_P
11F5241-MS2	Matrix Spike	Total	Water	SW846 9020B	11F5241_P
NUE4803-04	AD01523-N MW-8	Total	Ground Water	SW846 9020B	11F5241_P
NUE4803-05	AD01524-N MW-5A	Total	Ground Water	SW846 9020B	11F5241_P
NUE4803-06	AD01525-N MW-3A	Total	Ground Water	SW846 9020B	11F5241_P
NUE4803-07	AD01526-N MW-2	Total	Ground Water	SW846 9020B	11F5241_P
NUE4803-13	AD01500-N MW-4	Total	Ground Water	SW846 9020B	11F5241_P
NUE4803-14	AD01501-N MW-1A	Total	Ground Water	SW846 9020B	11F5241_P

Prep Batch: 11F4979_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4979-BLK1	Method Blank	Total	Water	NO PREP	
11F4979-BS1	Lab Control Sample	Total	Water	NO PREP	
11F4979-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
11F4979-MS1	Matrix Spike	Total	Water	NO PREP	
11F4979-MS2	AD01499-N MW-10	Total	Water	NO PREP	
NUE4803-01	AD01510 MW-13	Total	Ground Water	NO PREP	
NUE4803-02	AD01517 MW-21	Total	Ground Water	NO PREP	
NUE4803-03	AD01522 MW-12	Total	Ground Water	NO PREP	
NUE4803-08	AD01485 MW-16S	Total	Ground Water	NO PREP	
NUE4803-09	AD01492 MW-18	Total	Ground Water	NO PREP	
NUE4803-10	AD01497-N MW-17	Total	Ground Water	NO PREP	
NUE4803-11	AD01498-N MW-20	Total	Ground Water	NO PREP	
NUE4803-12	AD01499-N MW-10	Total	Ground Water	NO PREP	

Prep Batch: 11F5241_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5241-BLK1	Method Blank	Total	Water	NO PREP	
11F5241-BS1	Lab Control Sample	Total	Water	NO PREP	
11F5241-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
11F5241-MS2	Matrix Spike	Total	Water	NO PREP	
NUE4803-04	AD01523-N MW-8	Total	Ground Water	NO PREP	
NUE4803-05	AD01524-N MW-5A	Total	Ground Water	NO PREP	
NUE4803-06	AD01525-N MW-3A	Total	Ground Water	NO PREP	

WetChem (Continued)

Prep Batch: 11F5241_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUE4803-07	AD01526-N MW-2	Total	Ground Water	NO PREP	
NUE4803-13	AD01500-N MW-4	Total	Ground Water	NO PREP	
NUE4803-14	AD01501-N MW-1A	Total	Ground Water	NO PREP	

7

Lab Chronicle

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01510 MW-13

Lab Sample ID: NUE4803-01
Matrix: Ground Water

Date Collected: 05/24/11 14:02
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01517 MW-21

Lab Sample ID: NUE4803-02
Matrix: Ground Water

Date Collected: 05/24/11 15:13
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01522 MW-12

Lab Sample ID: NUE4803-03
Matrix: Ground Water

Date Collected: 05/24/11 16:52
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01523-N MW-8

Lab Sample ID: NUE4803-04
Matrix: Ground Water

Date Collected: 05/25/11 09:40
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

Client Sample ID: AD01524-N MW-5A

Lab Sample ID: NUE4803-05
Matrix: Ground Water

Date Collected: 05/25/11 10:30
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

Client Sample ID: AD01525-N MW-3A

Lab Sample ID: NUE4803-06
Matrix: Ground Water

Date Collected: 05/25/11 11:00
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01526-N MW-2

Lab Sample ID: NUE4803-07
Matrix: Ground Water

Date Collected: 05/25/11 11:25
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		100	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

Client Sample ID: AD01485 MW-16S

Lab Sample ID: NUE4803-08
Matrix: Ground Water

Date Collected: 05/24/11 13:17
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01492 MW-18

Lab Sample ID: NUE4803-09
Matrix: Ground Water

Date Collected: 05/24/11 14:39
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01497-N MW-17

Lab Sample ID: NUE4803-10
Matrix: Ground Water

Date Collected: 05/24/11 15:55
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01498-N MW-20

Lab Sample ID: NUE4803-11
Matrix: Ground Water

Date Collected: 05/24/11 17:22
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Client Sample ID: AD01499-N MW-10

Lab Sample ID: NUE4803-12
Matrix: Ground Water

Date Collected: 05/24/11 18:05
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F4979_P	06/20/11 08:52	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F4979	06/20/11 12:15	SHJ	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: NUE4803

Client Sample ID: AD01500-N MW-4

Lab Sample ID: NUE4803-13
Matrix: Ground Water

Date Collected: 05/25/11 08:50
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

Client Sample ID: AD01501-N MW-1A

Lab Sample ID: NUE4803-14
Matrix: Ground Water

Date Collected: 05/25/11 09:20
Date Received: 05/27/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F5241_P	06/21/11 10:08	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F5241	06/22/11 13:30	SHJ	TAL NSH

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

Method Summary

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

TestAmerica Job ID: NUE4803

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

Protocol References:

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: NUE4803

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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

EastAmerica
LEADER IN ENVIRONMENTAL TESTING
Knoxville, TN

COOLER REC

NUJE4803

Cooler Received/Opened On 5/27/2011@ 8:45

1 Tracking # 4076 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2 Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius*

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

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

If yes, how many and where: NA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Broken in shipment
Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

07/12/2011

NUE4803
06/28/11 23 59

ROGERS & CALLCOTT
ORATORY SERVICES

55. 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. ________

	TX						
Filtered (Yes/No)	N						
Cooled (Yes/No)	Y						
Container Type (P/G)	G						
Container Volume	250 mL						
Sample Type (Grab/Composite)	G						
Sample Source (WW, GW, DW, Other)	GW						
Sample Source Chlorinated (Yes/No)	N						
Lab Receipt Cl, Check							
Lab Receipt pH Check							
Preserved (Code)	5						

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. Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TX	COMMENTS:
[illegible]	5-24	[illegible]	MW-15	1		[illegible] to Test America
01517	|	1515	MW-21	1	1	
01518	|	1630	MW-12	1		
[illegible]	5-25	0940	MW-8	1		
[illegible]	|	[illegible]	MW-5A	1		
[illegible]	|	[illegible]	MW-7A	1		
[illegible]	|	[illegible] 35	MW-8	1		

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [illegible signature]	5-26 / 1000	② Shipper Name & #	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

[redacted]
NUE4803
06/28/11 23 59

ROGERS & CALLCOTT LABORATORY SERVICES

ox 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 HUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. Date	Time	Sample Description	Total Number of Containers	PARAMETERS								
01445	5-25	1517	MW-16	1		1							
01442		1430	MW-18	1		1							
01447N		1555	MW-17	1									
01446N		1725	MW-02	1		1							
01449N		1405	MW-10	1		1							
01452N	5-25	1505	MW-4	1		1							
01453N		0920	MW-1A	1		1							

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

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

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①		② Shipper Name & #	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

07/12/2011

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. 11 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	COMMENTS: BRPC
01510	5.24	1402	MW-13	1	1											SUB TO TEST AMERICA
01517	↓	1513	MW-21	1	1											
01522	↓	1652	MW-12	1	1											
01523-N	5.25	0940	MW-8	1	1											
01524-N	↓	1030	MW-5A	1	1											
01525-N	↓	1100	MW-3A	1	1											
01526-N	↓	1125	MW-2	1	1											

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.26.11 | 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

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. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX
AD 01485	5.24	1317	MW-16S	1	1
AD 01492		1439	MW-18	1	1
01497-N		1555	MW-17	1	1
1498-N		1722	MW-20	1	1
01499-N		1805	MW-10	1	1
01500-N	5.25	0850	MW-4	1	1
0150[illegible]-N		0920	MW-1A	1	1

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, Check											
Lab Receipt pH Check											
Preserved (Code)	B										

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

COMMENTS: BRPL

SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.26.11 / 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: NUE4658
Client Project/Site: [none]
Client Project Description: TOX, SC

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

Attn: Susan Gunter

Authorized for release by:
06/23/2011 03:59:58 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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Sample Summary

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

TestAmerica Job ID: NUE4658

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUE4658-01	AD01502-N MW-9	Ground Water	05/25/11 09:57	05/27/11 08:45
NUE4658-02	AD01503-N MW-7A	Ground Water	05/25/11 10:35	05/27/11 08:45

Definitions/Glossary

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

TestAmerica Job ID: NUE4658

Qualifiers

WetChem

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

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

TestAmerica Job ID: NUE4658

Client Sample ID: AD01502-N MW-9

Date Collected: 05/25/11 09:57
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4658-01
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

Client Sample Results

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

TestAmerica Job ID: NUE4658

Client Sample ID: AD01503-N MW-7A

Date Collected: 05/25/11 10:35
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4658-02
Matrix: Ground Water

5

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0426		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

QC Sample Results

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

TestAmerica Job ID: NUE4658

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 11F2022-BLK1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	ND		0.0300		mg/L		06/08/11 15:22	06/09/11 16:21	1.00

Lab Sample ID: 11F2022-BS1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Halides	0.250	0.255	MNR	mg/L		102	90 - 120

Lab Sample ID: 11F2022-BSD1
Matrix: Water
Analysis Batch: 11F2022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F2022_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.245	MNR	mg/L		98	90 - 120	4	40

QC Association Summary

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

TestAmerica Job ID: NUE4658

WetChem

Analysis Batch: 11F2022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F2022-BLK1	Method Blank	Total	Water	SW846 9020B	11F2022_P
11F2022-BS1	Lab Control Sample	Total	Water	SW846 9020B	11F2022_P
11F2022-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	11F2022_P
NUE4658-01	AD01502-N MW-9	Total	Ground Water	SW846 9020B	11F2022_P
NUE4658-02	AD01503-N MW-7A	Total	Ground Water	SW846 9020B	11F2022_P

Prep Batch: 11F2022_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F2022-BLK1	Method Blank	Total	Water	NO PREP	
11F2022-BS1	Lab Control Sample	Total	Water	NO PREP	
11F2022-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
NUE4658-01	AD01502-N MW-9	Total	Ground Water	NO PREP	
NUE4658-02	AD01503-N MW-7A	Total	Ground Water	NO PREP	

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Lab Chronicle

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

TestAmerica Job ID: NUE4658

Client Sample ID: AD01502-N MW-9

Date Collected: 05/25/11 09:57
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4658-01
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F2022_P	06/08/11 15:22	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F2022	06/09/11 16:21	SHJ	TAL NSH

Client Sample ID: AD01503-N MW-7A

Date Collected: 05/25/11 10:35
Date Received: 05/27/11 08:45

Lab Sample ID: NUE4658-02
Matrix: Ground Water

8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	11F2022_P	06/08/11 15:22	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	11F2022	06/09/11 16:21	SHJ	TAL NSH

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

Method Summary

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

TestAmerica Job ID: NUE4658

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

Protocol References:

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: NUE4658

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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

stAmerica
LEADER IN ENVIRONMENTAL TESTING
Knoxville, TN

COOLER RECI

NUE4658

Cooler Received/Opened On 5/27/2011 @ 0845

1 Tracking # 4054 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2 Temperature of rep. sample or temp blank when opened: 3.7 Degrees Celsius

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

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

If yes, how many and where: _____

5 Were the seals intact, signed, and dated correctly? YES...NO...NA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

21 Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO...# 57782

RM 5/27 RM 5/27

Broken in shipment
Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

06/23/2011

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

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GONTER

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. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Hg		COMMENTS: Sub to TestAmerica
A: 0-3620N	5/26	0947	MW-9	1	1		1
↓ 0-3620N	↓	1055	MW-7A	1	1		2

NUE4658
06/28/11 23:59

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-26-11 / 1600	② [signature] Shipper Name & #	5/27/11 0845

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX							
					B							
AD 01502-N	5.25	0957	MW-9	1	1							
01503-N	↓	1035	MW-7A	1	1							

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)

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: BRPC

SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.26.11 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

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

	Total Metals ☆	Hg	TOC	NO_3	Phenols	☆☆	TOX ⊗	
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	G	
Container Volume	500	250	250	250	1L	½	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 5-24-11
Lab Receipt pH Check	<2	<2	<2	<2	<2	NA	/	
Preserved (Code)	B	B	I	C	C	A	B	

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

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals ☆	Hg	TOC	NO_3	Phenols	☆☆	TOX ⊗	COMMENTS:
AD 01352	5-23	1300	Pigeon R. Down	7	RI	1	1-R2	1-P	1-G1	1-R2 1	1	1-N	☆ As, Ba, Cd, Cr, Cu, Ca, Fe,
01353	|	1335	BB UP	7		1	1	1	1	1	1	1	Pb, Mg, Mn, Ni, K, Se, Ag, Na,
01354	|	1400	BB Down	7		1	1	1	1	1	1	1	Zn
01355	|	1423	BB - 3	7		1	1	1	1	1	1	1	
01356	|	1442	BB - 4	7		1	1	1	1	1	1	1	☆☆ Chloride, Floride, TDS, NO_2, SO_4
01357	|	1508	Pigeon R. UP	8		1	1	1	1	2	1	1	
01358	|	1600	Under Flow Drain	7	↓	1	1	1	1	1	1	1	

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) Shipper Name & #	Date/Time
① [signature]	5-23-11 1710	② [signature]	5-23-11 1715
③ [signature]	5-24-11 0757	④ [signature]	5-24-11 0758
⑤		⑥	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample
At time of collection ______ °C
At time of lab receipt 2.5 °C

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

	BOD	COD	COD/Phosphate
Filtered (Yes/No)	N	N	N
Cooled (Yes/No)	Y	Y	Y
Container Type (P/G)	P	P	P
Container Volume	1/2	250	500
Sample Type (Grab/Composite)	G	G	G
Sample Source (WW, GW, DW, Other)	GW	GW	GW
Sample Source Chlorinated (Yes/No)	N	N	N
Lab Receipt Cl_2 Check (mcd)	NA	NA	NA
Lab Receipt pH Check (15-24 ml)	NA	<2	<2
Preserved (Code)	A	C	C

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

Rogers & Callcott Lab No.	Yr 11 Date	Time	Sample Description	Total Number of Containers	BOD	COD	COD/Phosphate	COMMENTS
AD 01359	5-23	1600	Under Flow Drain	2	1	1 - G		
01360 (KRL 5-24)		1625	LandFill Leachate	2	1		1 - G	

Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
SAMPLER ① [signature]	5-23-11 1710	② [signature] Shipper Name & #	5-23-11 1710
③ [signature]	5-24-11 0758	④ [signature] Shipper Name & #	5-24-11 0758
⑤		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 2 °C

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

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	Total Metals	Hg	TOC	NO3	Phenols	~~Cl~~	TOX (V)	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	G	P	G	
Container Volume					500	250	250	250	1L	1/2	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					Bnd	<2	<2	<2	<2	NA	/	
Preserved (Code)					B	B	I	C	C	A	B	
PARAMETERS												
AD 01361	5-23	1625	Landfill Leachate	7	1	1	1	1	1	1	1	~~Cl~~ As, Ba, Cd, Cr, Cu, Ca, Fe, Pb,
					R1	R2	P	G1	G2		N	Mg, Mn, Ni, K, Se, Ag, Na, Zn
												~~Cl~~ Chloride, Fluoride, TDS, NO3, SO4

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

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-23-11 1710	Received by (Sig.) ② Shipper Name & #	Date/Time 5-23-11 1715
Relinquished by (Sig.) ③	Date/Time 5-24-11 0750	Received by (Sig.) ④ Shipper Name & #	Date/Time 5-24-11 0758
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(V) Subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 2.5 °C

Form Revised July 2008

R/C COC FORM

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

CHAIN OF CUSTODY RECORD

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

Filtered (Yes/No)	N								
Cooled (Yes/No)	Y								
Container Type (P/G)	P	G	G	P					
Container Volume	1/2 gal	1 L	500 mL	250 mL	250 mL	500 mL	250 mL		
Sample Type (Grab/Composite)	G								
Sample Source (WW, GW, DW, Other)	(GW)								
Sample Source Chlorinated (Yes/No)	N								
Lab Receipt Cl2 Check	NA	NA		NA	NA	NA	NA		mcal
Lab Receipt pH Check	NA	<2		<2	<2	<2	<2		5-24-11
Preserved (Code)		A	C	B	I	C	B	B	
PARAMETERS		NO2 Cl, Fl, SO4, TDS	Phenols	TOX	TOC	NO3	Total Metals*	Total Hg	

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– H_3PO_4

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	NO2 Cl, Fl, SO4, TDS	Phenols	TOX	TOC	NO3	Total Metals*	Total Hg	COMMENTS:
AD 01362	5/23	1324 ~~1325~~ 5/23/11	MW-14	1	1							*As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn,
01363		1340		1		1						Ni, K, Se, Ag, Na, Zn
01364		1351		1			1					
01365		1355		1				1				
01366		1358		1					1			
01367		1400		1						1		
01368		1404		1							1	Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/11 1720	② [signature] Shipper Name & #	5-23-11 1720
Relinquished by (Sig.) ③ [signature]	5-24-11 0700	Received by (Sig.) ④ [signature] Shipper Name & #	5.24.11 0758
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
@ subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 3.5 °C

ROGERS & CALLCOTT LABORATORY SERVICES

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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Caton NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-154

									Filtered (Yes/No)
								N	Cooled (Yes/No)
								Y	Container Type (P/G)
								P	Container Volume
								G	Sample Type (Grab/Composite)
								G	Sample Source (WW, GW, DW, Other)
								GW	Sample Source Chlorinated (Yes/No)
								N	Lab Receipt Cl2 Check MCS
								NA	Lab Receipt pH Check 5-24-11
								NA	Preserved (Code)
								A	

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: SO4, Cl, Fl, TDS, NO2	Phenols	TOX (*)	TOC	NO3	Total Metals *	Total Hg	COMMENTS:
AD 01369	5/23	1454	MW-15	1	1							* See page 1
01370		1506		1		1						
01371		1512		1			1					
01372		1515		1				1				
01373		1516		1					1			
01374		1518		1						1		
01375		1521		1							1	Field data collected

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– H_3PO_4

SAMPLER Relinquished by (Sig.) ①	Date/Time 5/23/11 1720	Received by (Sig.) ② Shipper Name & #	Date/Time 5-23-11 1725
Relinquished by (Sig.) ③	Date/Time 5-24-11 0700	Received by (Sig.) ④ Shipper Name & #	Date/Time 5.24.11 0758
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(*) subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 2.5 °C

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CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	SO4, Cl, FI, TDS, NO2	Phenols	Tox	TOC	NO3	Total Hg	Total Hg	Preserved (Code)	COMMENTS:
AD 01376	5/23	1626	MW-16D	1	1								* See page 1
01377		1637		1		1							
01378		1643		1			1						
01379		1647		1				1					
01380		1648		1					1				
01381		1650		1						1			
01382		1653		1							1		Full Hg collected

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

PARAMETERS

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– Ha Ray

Mini 5-24-11

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/11 1720	② [signature] Shipper Name & #	5-23-11 1720
Relinquished by (Sig.) ③ [signature]	5-24-11 0758	Received by (Sig.) ④ [signature] Shipper Name & #	5-24-11 0758
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
* subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 2.2 °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT LABORATORY SERVICES

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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Cmtn, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr.11 Date	Time	Sample Description	Total Number of Containers	SO4, Cl, Fl, TDS, NO2	Phenols	TOX	TOC	NO3	Total Alkalinity	Total Hg	Preserved (Code) / COMMENTS
Filtered (Yes/No)					N							
Cooled (Yes/No)					Y							
Container Type (P/G)					P	G	G	P				
Container Volume					1/2 gal	1 L	500 ml	250 ml	250 ml	500 ml	250 ml	
Sample Type (Grab/Composite)					G							
Sample Source (WW, GW, DW, Other)					GW							
Sample Source Chlorinated (Yes/No)					N							
Lab Receipt Cl2 Check					NA	NA		NA	NA	NA	NA	mcl
Lab Receipt pH Check					NA	<2		<2	<2	<2	<2	5-25-11
Preserved (Code)					A	C	B	I	C	B	B	
AD	01483	5/24	1302	MW-165	1	1						* As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Hg,
	01484		1312		1		1					Ni, K, Se, Ag, Na, Zn
	01485		1317		1			1				
	01486		1320		1				1			
	01487		1321		1					1		
	01488		1322		1						1	
	01489		1324		1							1 Field data collected

A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- H_3PO_4

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	5/25/11 1300	② [signature]	5/25/11 1300
Relinquished by (Sig.) ③ [signature]	5-25-11 1517	Received by (Sig.) ④ Norma Salley	5/25/11 1517
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name &-#	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 1.2 °C

ROGERS & CALLCOTT LABORATORY SERVICES

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CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Filtered (Yes/No)				N									
Cooled (Yes/No)				Y									
Container Type (P/G)				P	G	G	P						
Container Volume				1/2 gal	1 L	500 ml	250 ml	250 ml	500 ml	250 ml			
Sample Type (Grab/Composite)				G									
Sample Source (WW, GW, DW, Other)				GW									
Sample Source Chlorinated (Yes/No)				N									
Lab Receipt Cl_2 Check				NA	NA		NA	NA	NA	NA			
Lab Receipt pH Check				NA									
Preserved (Code)				A	C	B	T	C	B	B			
Rogers & Callcott Lab No.	Yr.11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: SO_4, Cl, F, TDS, NO_2	Phenols	TOX (*)	TOC	NO_3	Total Metals Fe^+	Total Hg		COMMENTS:
AD 01490	5/24	1421	MW-18	1	1								* See page 1
01491		1432		1		1							
01492		1439		1			1						
01493		1443		1				1					
01494		1444		1					1				
01495		1445		1						1			
01496		1448		1							1		Field data collected

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

SAMPLER Relinquished by (Sig.) ① [signature]	Date/Time 5/25/11 1300	Received by (Sig.) ② [signature] Shipper Name & #	Date/Time 5/25/11 1300
Relinquished by (Sig.) ③ [signature]	Date/Time 5/25/11 1517	Received by (Sig.) ④ Norma Salley Shipper Name & #	Date/Time 5/25/11 1517
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(*) subcontracted

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

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CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Cedar, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr.11 Date	Time	Sample Description	Total Number of Containers	SO4, Cl, Fl, TDS, NO3	Phenols	TOX	TOC	NO3	Total Metals	Total Hg	Comments
01497	5/24	1555	MW-17	8	1	2-G1	1-N	1-P	1-G	1-P1	1-P2	* see page 1
01498		1722	MW-20	8	1	2	1	1	1	1	1	
01499		1805	MW-10	8	1	2	1	1	1	1	1	
01500	5/25	0850	MW-4	7	1	1	1	1	1	1	1	
01501		0920	MW-1A	7	1	1	1	1	1	1	1	
01502		0957	MW-9	7	1	1	1	1	1	1	1	
01503		1035	MW-7A	7	1	1	1	1	1	1	1	Field data collected

Preserved (Code)			
	A-None	D-NaOH	G-Boric Acid
	B-HNO_3	E-HCL	H-Ascorbic Acid
	C-H_2SO_4	F-$Na_2S_2O_3$	I- H_3PO_4

Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	P	G	G	P				
Container Volume	1/2	1	500 ML	500 ML	250 ML	500 ML	250 ml	
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl2 Check	NA	NA		NA	NA	NA	NA	MAN
Lab Receipt pH Check	<2	<2		<2	<2	<2	<2	5-25-11
Preserved (Code)	A	C	B	I	C	B	B	

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/25/11 1300	② [signature] Shipper Name & #	5-25-11 1300
Relinquished by (Sig.) ③ [signature]	5-25-11 1517	Received by (Sig.) ④ Norma Salley Shipper Name & #	5/25/11 1517
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.2 °C

ROGERS & CALLCOTT LABORATORY SERVICES

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CHAIN OF CUSTODY RECORD

Client Name: BAPC

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	P	G	G	Container Type (P/G)
									500	250	250	250	½	1L	500	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 Cl2 Check mrd 15-25-11
									<2	<2	<2	<2	NA	<2		Lab Receipt pH Check
									B	B	I	C	A	C	B	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– Dhes/Ascorbic Acid

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals	H_2	TOC	NO_3		Phenols	TOX (*)	COMMENTS:
01504	5.24	1331	MW-13	1	1							As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
01505		1335	MW-13	1		1						Mg, Mn, Ni, K, Se, Ag, Na, Zn
01506		1337	MW-13	1			1					
01507		1339	MW-13	1				1				
01508		1341	MW-13	1					1			Chloride, Fluoride, TDS, NO_3, SO_4
01509		1354	MW-13	1						1		
01510		1402	MW-13	1							1	Field Data Collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-25-11 1213	② [signature] Shipper Name & #	5-25-11 1213
Relinquished by (Sig.) ③ [signature]	5-25-11 1517	Received by (Sig.) ④ Norma Salley Shipper Name & #	5/25/11 1517
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(*) subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt ____ °C

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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	P	P	G	G	Container Type (P/G)
								500	250	250	250	½	1L	500	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 Cl2 Check mcl 15-25-11
								<2	<2	<2	<2	NA	<2		Lab Receipt pH Check
								B	B	I	C	A	C	B	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	Total Metals ✱	Hg	TOC	NO3	✱✱	Phenols	TOX ®	COMMENTS:
01511	5-24	1447	MW-21	1		1							✱ As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
01512		1450	MW-21	1			1						Mg, Mn, Ni, K, Se, Ag, Na, Zn
01513		1452	MW-21	1				1					
01514		1453	MW-21	1					1				✱✱ Chloride, Fluoride, TDS, NO3, SO4
01515		1455	MW-21	1						1			
01516		1505	MW-21	1							1		Field Data Collected
01517		1513	MW-21	1								1	

SAMPLER Relinquished by (Sig.) ①	Date/Time 5-25-11 1213	Received by (Sig.) ② Shipper Name & #	Date/Time 5-25-11 1213
Relinquished by (Sig.) ③	Date/Time 5-25-11 1517	Received by (Sig.) ④ Norma Salley Shipper Name & #	Date/Time 5/25/11 1517
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯ Recvd. Intact by ◯		Seal # at'chd by ◯ Recvd. Intact by ◯	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
® subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.2 °C

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

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: 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	P	G	G			Container Type (P/G)
									500	250	250	250	½	1L	500			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 Cl2 Check MCH 15-25-11
									<2	<2	<2	<2	NA	<2				Lab Receipt pH Check
									B	B	I	C	A	C	B			Preserved (Code)

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

	Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals ☆	Hg	TOC	NO3	☆☆	Phenols	TOX ⊗	COMMENTS:
AD	01518	5-24	1643	MW-12	2	1	1	R					☆ As, Ba, Cd, Co, Cr, Cu, Fe, Pb,
	01519		1644	MW-12	2			1	1	G			Mg, Mn, Ni, K, Se, Ag, Na, Zn
	01520		1646	MW-12	1					1			
	01521		1650	MW-12	1						1		☆☆ Chloride, Fluoride, TDS, NO_3, SO_4
	01522		1652	MW-12	1							1	
	01523	5-25	0940	MW-8	7	1	1	1	1	1	1	1	Field Data Collected
	01524		1030	MW-5A	7	1	1	1	1	1	1	1	

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-25-11 1213	② [signature] Shipper Name & #	5-25-11 1213
Relinquished by (Sig.) ③ [signature]	5-25-11 1517	Received by (Sig.) ④ Norma Salley Shipper Name & #	5/25/11 1517
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.2 °C

Form Revised July 2008

R/C COC FORM

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

CHAIN OF CUSTODY RECORD

Client Name: BR PC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals	Hg	TOC	NO3	[illegible]	Phenols	TOX	
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	250	250	½	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	/	mcal 15-25-11
Lab Receipt pH Check					<2	<2	<2	<2	NA	<2	/	
Preserved (Code)					B	B	I	C	A	C	B	
AD	01525	5-25	1100	MW-3A	7	R1-1	R1-1	1-1	1-1	1	1-1	1-1	As, Ba, Cd, Co, Cr, Cu, Fe, Pb,
+	01526		1125	MW-2	7	+ 1	+1	+1	+1	1	+1	+1	Mg, Mn, Ni, K, Se, Ag, Na, Zn
												Chloride, Fluoride, TDS, NO3, SO4
												Field Data Collected

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

COMMENTS: (***) Additional HNO_3 added in lab on 5-25-11. mcal

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-25-11 1213	② [signature] Shipper Name & #	[illegible]
Relinquished by (Sig.) ③ [signature]	[illegible]	Received by (Sig.) ④ Norma Salley Shipper Name & #	5/25/11 1517
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	
Seal # at'chd by ◯ Recvd. Intact by ◯		Seal # at'chd by ◯ Recvd. Intact by ◯	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
(*) subcontracted

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

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	P	P	G	G	Container Type (P/G)
									500	250	250	250	½	1L	500	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 mcl 5-26-11
									<2	<2	<2	<2	NA	<2	/	Lab Receipt pH Check
									B	B	I	C	A	C	B	Preserved (Code)

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

Rogers & Callcott Lab No.	Yr. 11 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals	Hg	TOC	NO_3		Phenols	TOX	COMMENTS:
AD 01552	5-25	1235	MW-11	7	1	1	1	1	1	1	1	As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
01553		1418	MW-6	7	1	1	1	1	1	1	1	Mg, Mn, Ni, K, Se, Ag, Na, Zn
												Chloride/Fluoride/TDS/NO_3/SO_4
												Field Data Collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-25-11 1725	② Norma Salley Shipper Name & #	5/25/11 1725
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(*) subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 0.7 °C

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Pigeon R. Down ☐ Development ☒ Purging

Date: 5-23-11 Field Personnel: JHF

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)

☒ 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): NA
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~~ NA
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-23-11	1300	NA	NA	NA	NA	7.43	23.8	419.0	NA	NA	NA	1	<5.0	

5-23-11

Weather Conditions/~Temp: Sunny / 80s °F

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

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

Sample Collection Time 1300

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: BB UP

☐ Development
☒ Purging

Date: 5-23-11 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Surface Water Grab

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

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): NA
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
5-23-11	1335	NA	NA	NA	NA	7.36	20.7	73.2	NA	NA	NA	1	45.3	

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

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

Sample Collection Time 1335

Comments _____

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: BB Down ☐ Development ☒ Purging

Date: 5-23-11 Field Personnel: JHF

Site Name/Location: BBPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Surface Water Grab

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

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): NA
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. -Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-23-11	1400	NA	NA	NA	NA	7.43	20.6	85.5	NA	NA	NA	1	24.4	
						5-23-11								

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time 1400

Comments _____

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: BB-3

☐ Development
☒ Purging

Date: 5-23-11 Field Personnel: JAF

Site Name/Location: BAPC

Page 4 of 10

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Surface Water Grab

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

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a) NA
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
5-23-11	1423	NA	NA	NA	NA	7.65	20.6	92.7	NA	NA	NA	1	16.9	

Weather Conditions/~Temp: Partly Cloudy / 80s °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 1423

Comments _____

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: BB-4

☐ Development
☒ Purging

Date: 5-23-11 Field Personnel: JAF

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Surface Water Grab

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

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): NA
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
5-23-11	1442	NA	NA	NA	NA	7.63	20.5	107.9	NA	NA	NA	1	16.6	

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time 1442

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Pigeon R. UP ☐ Development ☒ Purging

Date: 5-23-11 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Surface Water Grab

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

Water Volume Calculations

Initial Depth to Ground Water (a): @

Total Depth of Well (b):

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

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
5-23-11	1508	NA	NA	NA	NA	7.82	24.6	307.1	NA	NA	NA	1	<5.0	

5-23-11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time 1508

Comments

Reviewed by: Date:

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Underflow Drain ☐ Development ☒ Purging

Date: 5-23-11 Field Personnel: JHF

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)

☒ 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): NA
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
5-23-11	1600	NA	NA	NA	NA	7.37	23.4	90.4	NA	NA	NA	1	<5.0	
						5-23-11								

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

Weather Conditions/~Temp: Partly Cloudy 1805 °F

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

Sample Collection Time 1600

Comments ____

Reviewed by: ____ Date: ____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Land Fill Leachate ☐ Development ☒ Purging

Date: 5-23-11 Field Personnel: JHF

Site Name/Location: BRPC

Page 8 of 10

For Low Flow Sampling: Page JHF

Method of Well Evacuation

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

☐ Continuous (Recovery Well)

☒ Grab Sample

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

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____

Total Depth of Well (b): _____

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

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
5-23-11	1625	NA	NA	NA	NA	8.34	31.2	22740	NA	NA	NA	2	250	

5-23-11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time 1625

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BBPC

Date: 5-23-11

Conductivity Meter Calibration
EPA 9050A

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

Time: 0945 Analyst: JHF Cell Constant 5.10

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	@ Temperature, °C
11-03-36	10.20		18.0	24.1
11-03-38	98.9		98.9	24.1
11-03-40	996		JHF 5-23-11 ~~9.91~~ 974	24.0
11-03-42	SSS conc:	447	445.6	23.2

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: JC00942 Probe: 605377 10F

Time: 0941 Analyst: JHF Slope: 99.6

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
09-06-41	4.0		3.95
10-10-78	7.0		6.98
11-04-15	10.0		9.91
10-11-17	SSS conc:	10.0	9.92

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: 9807000 18869 Date of most recent calibration: 5-7-11

Time: 0950 Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
11-02-01	4.73	4.75
11-02-02	46.9	47.0
11-02-03	473	470

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BAPC

Date: 5-23-11

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC00262 Probe: 08L100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1250	JHF	98.9	103.9 @ 25.3 °C
1702	JHF	996	1003 @ 31.8 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC00942 Probe: 605377 10F

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1250	JHF	7.0	6.93
1702	JHF	4.0	3.99

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 98070001886 9

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1252	JHF	46.9	48.2
1703	JHF	473	470

Field Duplicate

Well ID: Pigeon Pt. up

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1510	JHF	311.1	7.94	<5.0	24.5

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

Reviewed by: _____ Date: _____

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 1 of 3

For Low Flow Sampling: Page 1 of 1

Well Number: MW-14

☐ Development
☒ Purging

Date: 5/23/11

Field Personnel: BCS

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): 26.57 @ 1249
Total Depth of Well (b): 35.24
Length of Water Column in Well (b-a): 8.67
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 Casing Vol		2325

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/11	1304	NA	155	26.57	0.0	5.53	22.1	145.3	NA	NA	NA	1	12.4	
↓	1309	1	155	26.74	775	5.56	20.5	142.3	↓	↓	↓	1	9.39	
↓	1314	2	155	26.78	1550	5.65	18.5	136.5	↓	↓	↓	1	7.70	
↓	1319	3	155	26.82	2325	5.62	17.9	135.6	↓	↓	↓	1	7.37	

Brady C. [illegible] 5/23/11

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

Weather Conditions/~Temp: Partly Cloudy 1805 °F

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Precipitate: None

Fe^{+2} mg/L= NA

Sample Collection Time Chloride, Fluoride, TDS, NO_3, SO_4 - 1324 ; Phenols - 1340 ; TOX - 1351 ; TOC - 1355 ; NO_2 - 1358 ; Metals - 1400; Hg - 1404

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page 1 of 1

Well Number: MW-15

☐ Development
☒ Purging

Date: 5/23/11 Field Personnel: BCS

Site Name/Location: BCPC

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 26.49 @ 1300
Total Depth of Well (b): 43.74
Length of Water Column in Well (b-a): 17.25
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / (ml) Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		2775

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/11	1438	NA	185	26.49	0.0	5.98	19.7	55.1	NA	NA	NA	1	<5.0	
	1443	1	185	26.85	925	5.95	16.1	49.9				1	<5.0	
	1448	2	185	26.94	1850	5.94	15.2	49.2				1	<5.0	
	1453	3	185	26.98	2775	5.93	14.4	48.8				1	<5.0	

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

Weather Conditions/~Temp: Cloudy 180's °F

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

Sample Collection Time Cl, Fl, TDS, NO_2, SO_4 - 1454 ; Phenols - 1506 , TOX - 1512 ; TOC - 1515 ; NO_3 - 1516 ; Metals - 1519 ; Hg - 1521

Comments _____

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-16D

☐ Development
☒ Purging

Date: 5/23/11 Field Personnel: BCS

Site Name/Location: BZPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 62.61 @ 1315
Total Depth of Well (b): 110.11
Length of Water Column in Well (b-a): 47.50
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		2775

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/11	1610	NA	185	62.61	0.0	6.78	20.2	1570	NA	NA	NA	2	<5.0	
↓	1615	1	185	62.91	925	6.74	17.7	1614	↓	↓	↓	2	<5.0	
	1620	2	185	63.15	1850	6.75	16.7	1617				2	<5.0	
↓	1625	3	185	63.29	2775	6.77	16.6	1616				2	<5.0	

Bradley Cole 5/23/11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time Cl, Fl, TDS, NO_3, SO_4 - 1626 ; Phenols - 1637 ; TOX - 1643 ; TOC - 1647 ; NO_3 - 1648 ; Metals - 1650 ; Hg - 1653

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRP

Date: 5/23/11

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4m 10E100674

Time: 0925 Analyst: BCS Cell Constant 5.00

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
110337	10.20		10.6	23.1
110339	98.9		99.8	23.2
110341	996		980	23.2
110343	SSS conc:	447	442.9	23.5

Temperature compensation for conductivity meter : -0.1

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 10E

Time: 0925 Analyst: BCS Slope: 99.4

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
090641	4.0		3.96
110414	7.0		7.00
110415	10.0		9.96
101136	SSS conc:	10.0	9.92

Temperature compensation for pH meter : +0.2

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

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08170C033299 Date of most recent calibration: 5/4/11

Time: 0928 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
110105	4.31	4.40
110106	49.0	48.7
110107	473	469

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC **Date:** 5/23/11

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: ~~5C0~~ 1963 BCS 5/23/11 Probe: 300-4M 10F 100674

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1302	BCS	48.9	102.8 @ 25.7 °C
1717	BCS	996	486 @ 30.9 °C

pH Meter
EPA 9040C

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

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1302	BCS	7.00	6.96
1717	BCS	4.00	4.03

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1302	BCS	49.0	48.6
1717	BCS	473	468

Field Duplicate

Well ID: MW-16D

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1625	BCS	1612	6.77	<5.0	16.6

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

Reviewed by: _____ Date: _____

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

BCS 5/24/11 Page 45 of 9

For Low Flow Sampling: Page 1 of 1

Well Number: MW-165

☐ Development
☒ Purging

BCS 5/24/11
Date: ~~5/23/11~~ 5/24/11 Field Personnel: BCS

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): 56.58 @ 1318
Total Depth of Well (b): 70.42
Length of Water Column in Well (b-a): 13.84
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		2850

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

BCS 6/1/11

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
~~5/23/11~~ 5/24/11	1246	NA	190	56.58	0.0	6.49	16.9	4100	NA	NA	NA	3	6.24	
↓	1251	1	190	56.98	950	6.45	16.6	4345	↓	↓	↓	3	<5.0	
	1256	2	190	57.11	1900	6.46	16.3	4324				3	<5.0	
↓	1301	3	190	57.26	2850	6.45	16.5	4264	↓	↓	↓	3	<5.0	

5/24/11

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

Weather Conditions/~Temp: Partly Cloudy 1 86s °F

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

Sample Collection Time Cl, Fl, TDS, NO_2, SO_4 - 1302 ; Phenols - 1312 ; TOX - 1317 ; TOC - 1320 ; NO_3 - 1321 ; Metals - 1322 ; Hg - 1324

Comments Pump in well @ 1715 on 5/23/11

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page ~~1 of 1~~

Well Number: MW-18

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

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): 75.96 @ 1352
Total Depth of Well (b): 112.45
Length of Water Column in Well (b-a): 36.49
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		
3 Casing Vol		2775

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
5/24/11	1405	NA	185	75.96	0.0	6.64	18.7	1868 ~~1868~~ BCS 5/24/11	NA	NA	NA	1	<5.0	
↓	1410	1	185	76.16	925	6.57	17.9	1960	↓	↓	↓	1	<5.0	
	1415	2	185	76.27	1850	6.58	17.2	1936				1	<5.0	
	1420	3	185	76.34	2775	6.60	17.0	1913				1	<5.0	

BCS 5/24/11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time Cr, Fl, TDS, NO_2, SO_4 - 1421 ; Phenols - 1432 ; TOX - 1439 ; TOC - 1443 ; NO_3 - 1444 ; Metals - 1445 ; Hg - 1448

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-17

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 46.22 @ 1425
Total Depth of Well (b): 65.60
Length of Water Column in Well (b-a): 19.38
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	12.7	
3 Casing Vol	38.1	50.8

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
5/24/11	1524	NA	2.1	46.22	0.0	6.33	18.7	46.7	NA	NA	NA	1	35.5	
	1530	1	2.1	NA	12.7	6.14	15.7	32.4				1	<5.0	
	1538	2	1.6		25.4	5.89	15.0	33.4				1	<5.0	
	1546	3	1.6		38.1	5.93	15.1	30.8				1	<5.0	
	1554	4 ~~4~~ BCS 5/24/11	1.6		50.8	5.88	15.1	30.6				1	<5.0	

Brently C. Lil 5/24/11

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

Weather Conditions/~Temp: Partly Cloudy 1 80's °F

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

Sample Collection Time 1555

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-20

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

Site Name/Location: BRPC

Page 8 of 9

For Low Flow Sampling: Page ~~NA~~

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 44.47 @ 1656
Total Depth of Well (b): 61.58
Length of Water Column in Well (b-a): 17.11
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	11.2	
3 Casing Vol	33.6	33.6

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/24/11	1704	NA	2.2	44.47	0.0	6.41	18.4	116.5	NA	NA	NA	1	153	
	1709	1	2.2	NA	11.2	6.37	16.1	88.7				1	7.40	
	1715	2	1.9		22.4	6.29	15.2	91.9				1	<5.0	
	1721	3	1.9		33.6	6.28	15.1	95.8				1	<5.0	

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

Weather Conditions/~Temp: Partly Cloudy 180's °F

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

Sample Collection Time 1722

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-10

☐ Development
☒ Purging

Date: 5/24/11

Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 37.21 @ 1738
Total Depth of Well (b): 74.42
Length of Water Column in Well (b-a): 37.21
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	6.1	
3 Casing Vol	18.3	18.3

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
5/24/11	1749	NA	1.25	37.21	0.0	5.93	17.1	34.6	NA	NA	NA	1	45.0	
	1754	1	1.25	NA	6.1	5.91	14.3	32.6				1	21.1	
	1759	2	1.25		12.2	5.93	13.6	33.0				1	11.4	
	1804	3	1.25		18.3	5.93	13.2	32.8				1	22.3	

5/24/11

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

Weather Conditions/~Temp: Partly Cloudy 170's °F

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Precipitate: None

Fe^{+2} mg/L= NA

Sample Collection Time 1805

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-4

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JHF/BCS

Site Name/Location: BRPC

Page 1 of 4

For Low Flow Sampling: Page 1 of 4

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

JHF 5-24-11

Initial Depth to Ground Water (a): 86.33 @ 0849
Total Depth of Well (b): 83.89
Length of Water Column in Well (b-a): 23.56
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	3.8	
3 Casing Vol	11.4	19.0

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
5-24-11	0856	NA	NA	NA	0.0	6.37	16.3	836	NA	NA	NA	1	12.1	
	0903	1			3.8	6.41	15.7	864				1	16.6	
	0913	2			7.6	6.44	16.0	1121				1	47.7	
	0921	3			11.4	6.24	15.8	1275				1	31.5	
	0931	4			15.2	6.99	16.1	1252				1	61.2	
	0939	5			19.0	6.35	16.1	1287				1	77.9	
5-25-11	0850	6	NA	NA	NA	6.35	16.8	1217	NA	NA	NA	1	19.1	Sample

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

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

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

Sample Collection Time 0850

Comments

Reviewed by: Date:

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 2 of 2

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

Well Number: MW-1A

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

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): 60.03 @ 0952
Total Depth of Well (b): 71.93
Length of Water Column in Well (b-a): 11.90
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.9	
3 Casing Vol	5.7	5.7

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
5/24/11	0958	NA	NA	60.03	0.0	5.99	15.0	41.4	NA	NA	NA	1	38.1	
	1003	1		NA	1.9	6.09	13.8	35.7				1	443	
	1007	2			3.8	6.05	13.5	36.5				1	162	
	1013	3			5.7	6.01	13.3	33.7				1	296	
5/25/11	0920	4	NA	NA	NA	6.36	14.4	42.1	NA	NA	NA	1	13.9	Sample

Bradley Cole 5/25/11

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

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

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

Sample Collection Time 0920

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-9

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

Site Name/Location: BRPC

Page 3 of 9

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): 39.37 @ 1025
Total Depth of Well (b): 66.94
Length of Water Column in Well (b-a): 27.47
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	4.5	
3 Casing Vol	13.5	4.5

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed gal or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/24/11	1032	NA	NA	39.37	0.0	5.95	16.1	42.4	NA	NA	NA	1	25.2	
↓	1040	1	↓	Dry	4.5	5.21	15.4	51.0	↓	↓	↓	1	160	Dry
5/25/11	0957	NA	↓	NA	Sample	6.10	16.0	35.2	↓	↓	↓	1	12.7	Sample

Brandy Cliff 5/25/11

Weather Conditions/~Temp: Partly Cloudy 170'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 0957

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page ~~of~~

Well Number: MW-7A

☐ Development
☒ Purging

Date: 5/24/11 Field Personnel: BCS

Site Name/Location: BEPC

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 10.49 @ 1053
Total Depth of Well (b): 26.39
Length of Water Column in Well (b-a): 15.90
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	2.6	
3 Casing Vol	7.8	6.5

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
5/24/11	1057	NA	NA	10.49	0.0	5.52	15.0	508.6	NA	NA	NA	1	11.7	
	1101	1		NA	2.6	5.54	14.0	501.0				1	777	
	1104	2			5.2	5.66	13.3	417.9				1	>1000	
	1108	3		Dry	6.5	5.67	13.4	407.4				1	703	Dry
5/25/11	1035	NA		NA	Sample	5.63	14.6	359.2				1	12.1	Sample

5/25/11

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

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

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

Sample Collection Time 1035

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRPC

Date: 5/24/11

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300

SN: 5C01963

Probe: 300-4m 10E100674

Time: 0810

Analyst: BCS

Cell Constant 4.95

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
110337	10.2		10.5	21.1
110339	98.7		102.2	21.2
110341	996		969	20.9
110343	SSS conc:	447	437.5	21.2

Temperature compensation for conductivity meter : +0.1

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

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100

SN: 5C03192

Probe: YSI 605377 10F

Time: 0818

Analyst: BCS

Slope: 90.9

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
090641	4.0		3.98
110414	7.0		7.00
110415	10.0		9.98
101132	SSS conc:	10.0	9.93

Temperature compensation for pH meter : +0.2

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: 5/4/11

Time: 0815

Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
110105	4.31	4.50
110106	49.0	51.9
110107	473	473

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRC

Date: 5/24/11

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4M 10E100674

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1241	BCS	98.9	104.3 @ 30.2 °C
1812	BCS	99.6	98.1 @ 28.7 °C

pH Meter
EPA 9040C

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

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1241	BCS	7.0	7.01
1812	BCS	4.0	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
1241	BCS	49.0	50.2
1812	BCS	473	468

Field Duplicate

Well ID: MW-10

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1804	BCS	32.9	5.93	21.3	13.4

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

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRPC **Date:** 5/25/11

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 3004M 10E100674

Time: 0840 Analyst: BCS Cell Constant 4.96

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
110337	10.20		10.2	19.5
110334	98.9		101.9	19.4
110341	996		970	19.6
110343	SSS conc:	447	438.5	19.1

Temperature compensation for conductivity meter : -0.1

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 10E

Time: 0840 Analyst: BCS Slope: 98.7

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
090641	4.0		3.96
110414	7.0		7.01
110415	10.0		9.99
101132	SSS conc:	10.0	9.94

Temperature compensation for pH meter : +0.3

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: 5/4/11

Time: Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
110105	4.31	4.32
110106	49.0	48.5
110107	4.73	4.68

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC **Date:** 5/25/11

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4M 10E100674

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1249	BCS	98.9	104.7 @ 29.3 °C
			@ ____ °C

pH Meter
EPA 9040C

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

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1249	BCS	7.00	7.01

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033248

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1249	BCS	49.0	49.9

Field Duplicate

Well ID: CP-Up

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1213	BCS	3078	5.41	7.79	17.2

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

Reviewed by: _____ Date: _____

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-13

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JHF

Site Name/Location: BHPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 19.25 @ 1300
Total Depth of Well (b): 36.40
Length of Water Column in Well (b-a): 17.15
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA JHG 5-24-11

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	3200

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
5-24-11	1309	NA	160	19.25	0.0	6.69	21.9	2361	NA	NA	NA	1	75.8	
5-24-11	1314	1	160	19.83	800	6.64	18.8	2297	NA	NA	NA	1	45.8	
5-24-11	1319	2	160	19.90	1600	6.65	17.7	2343	NA	NA	NA	1	17.7	
5-24-11	1324	3	160	19.93	2400	6.66	17.0	2345	NA	NA	NA	1	8.08	
5-24-11	1329	4	160	19.94	3200	6.67	16.8	2321	NA	NA	NA	1	8.97	
							5-24-11							

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

Weather Conditions/~Temp: Sunny / 80s °F

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

Sample Collection Time Total Metals - 1331 Hg - 1335 TOC - 1337 NO_3 - 1339

Cl/Fl/TDS/NO_2/SO_4 - 1341 Phenols - 1354 TOX - 1402

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-21

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JAF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 10.41 @ 1425
Total Depth of Well (b): 28.58
Length of Water Column in Well (b-a): 18.17
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	NA	
3 Casing Vol	NA	2400

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/ Slight/ 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
5-24-11	1429	NA	160	10.41	0.0	7.07	19.2	2179	NA	NA	NA	1	12.8	
5-24-11	1434	1	160	10.75	800	6.87	15.8	2166	NA	NA	NA	1	<5.0	
5-24-11	1439	2	160	10.84	1600	6.83	15.6	2151	NA	NA	NA	1	<5.0	
5-24-11	1444	3	160	10.90	2400	6.84	15.4	2149	NA	NA	NA	1	<5.0	
						5-24-11								

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

Weather Conditions/~Temp: Sunny / 80s °F

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

Sample Collection Time Total Metals - 1447 Hg - 1450 TOC - 1452 NO_3 - 1453

Chloride/Fluoride/TDS/NO_2/SO_4 - 1455 Phenols - 1505 TOX - 1513

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-12 ☐ Development ☒ Purging

Date: 5-24-11 Field Personnel: JHP

Site Name/Location: BBPC

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): 11.35 @ 1531
Total Depth of Well (b): 29.08
Length of Water Column in Well (b-a): 17.73
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	2.9	
3 Casing Vol	8.7	11.6

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
5-24-11	1540	NA	0.21	11.35	0.0	6.11	16.5	306.7	NA	NA	NA	1	<5.0	
5-24-11	1554	1	0.21	12.23	2.9	5.93	14.7	282.9	NA	NA	NA	1	<5.0	
5-24-11	1610	2	0.18	12.15	5.8	5.96	14.7	318.8	NA	NA	NA	1	<5.0	
5-24-11	1627	3	0.17	12.14	8.7	5.97	14.5	329.8	NA	NA	NA	1	<5.0	
5-24-11	1641	4	0.18	12.14	11.6	5.97	14.3	327.0	NA	NA	NA	1	<5.0	

JHP 5-24-11

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

Weather Conditions/~Temp: Mostly Cloudy / 80s °F

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

Sample Collection Time Total Metals - 1643 Hg - 1643 TOC - 1644 NO_3 - 1644

Chloride/Fluoride/TDS/NO_2/SO_4 - 1646 Phenols - 1650 TOX - 1652

Comments ____

Reviewed by: ____ Date: ____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-8

☐ Development
☒ Purging

Date: 5-24-11

Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 10.72 @ 0957
Total Depth of Well (b): 29.21
Length of Water Column in Well (b-a): 18.49
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	3.0	
3 Casing Vol	9.0	3.0

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
5-24-11	1003	NA	NA	NA	0.0	6.16	15.0	116.2	NA	NA	NA	1	34.2	
5-24-11	1007	1	NA	NA	3.0	6.19	14.2	99.2	NA	NA	NA	1	526	Dry
5-25-11	0940	2	NA	NA	NA	6.59	14.6	83.0	NA	NA	NA	1	4.95	

5-25-11

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

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

Well Yield (Low/ Moderate/ High)

Sample Clarity: Very Clear

Precipitate: none

Fe^{+2} mg/L= NA

Sample Collection Time 0940 on 5-25-11

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-5A

☐ Development
☒ Purging

Date: 5-24-11

Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 35.88 @ 1035
Total Depth of Well (b): 44.41
Length of Water Column in Well (b-a): 8.53
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.4	
3 Casing Vol	4.2	2.8

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
5-24-11	1039	NA	NA	NA	0.0	5.58	18.7	880	NA	NA	NA	1	68.5	
5-24-11	1042	1	NA	NA	1.4	5.46	18.2	551.1	NA	NA	NA	1	223	
5-24-11	1046	2	NA	NA	2.8	5.48	17.9	615	NA	NA	NA	1	406	Dry
5-25-11	1030	3	NA	NA	NA	5.48	19.3	456.3	NA	NA	NA	1	19.2	Sample

5-25-11

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

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

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

Sample Collection Time 1030 on 5-25-11

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW- 3A

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 6.89 @ 1107
Total Depth of Well (b): 20.30
Length of Water Column in Well (b-a): 13.41
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	2.2	
3 Casing Vol	6.6	2.5

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? Clear / _____
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
5-24-11	1112	NA	NA	NA	0.0	6.56	13.8	1115	NA	NA	NA	1	394	
5-24-11	~~1215~~ 1115	1 JHF 5-24-11	NA	NA	2.2	6.56	12.9	1079	NA	NA	NA	1	935	
5-24-11	1117	2	NA	NA	2.5	6.60	12.6	1080	NA	NA	NA	1	302	Dry
5-25-11	1100	3	NA	NA	Sample	6.57	13.6	1060	NA	NA	NA	1	30.2	Sample
						5-25-11								

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

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

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

Sample Collection Time 1100 on 5-25-11

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

For Low Flow Sampling: Page NA

Well Number: MW-2

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JHF/BCS

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): 4.24 @ 1128
Total Depth of Well (b): 11.86
Length of Water Column in Well (b-a): 7.62
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
5-24-11	1131	NA	NA	NA	0.0	9.90	14.8	8040	NA	NA	NA	1	31.4	
5-24-11	1133	1	NA	NA	1.3	9.91	14.3	8080	NA	NA	NA	1	31.3	Dry
5-25-11	1125	2	NA	NA	Sample	9.93	16.0	7870	NA	NA	NA	2	11.8	Sample

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

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

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

Sample Collection Time 1125 on 5-25-11

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BBPC **Date:** 5-24-11

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 3C00262 Probe: 08L 100071

Time: 0818 Analyst: JHF Cell Constant JHF ~~440.3~~ 5.05 5-24-11

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
11 0337	10.2		10.5	21.2
11 0339	98.9		98.9	21.3
11 0341	996		951	21.0
11 0343	SSS conc:	447	440.3	21.1

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: 3C00942 Probe: 605377 10F

Time: 0818 Analyst: JHF Slope: 98.4

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
09-06-41	4.0		4.00
11-04-14	7.0		7.04
11-04-15	10.0		10.01
10-11-32	SSS conc:	10.0	10.01

Temperature compensation for pH meter : 10.1

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: 5-7-11

Time: 0823 Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
11-02-01	4.73	4.72
11-02-02	46.9	46.6
11-02-03	473	JHF ~~47.6~~ 476 5-24-11

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers
Continuing Calibration Verification

Client: BRPC **Date:** 5-24-11

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		
1241	JHF	98.9	105.5	@	30.7 °C
1800	JHF	996	977	@	28.5 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC00942 Probe: 605377 10F

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1241	JHF	7.0	6.99
1860	JHF	4.0	4.04

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 98 07 000 18869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1242	JHF	46.9	48.4
1800	JHF	473	473

Field Duplicate

Well ID: MW-12

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1642	JHF	326.0	5.97	<5.0	14.0

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

Reviewed by: _____ Date: _____

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-11

☐ Development
☒ Purging

Date: 5-24-11 Field Personnel: JHF

Site Name/Location: BBAC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 11.18 @ 1743
Total Depth of Well (b): 21.62
Length of Water Column in Well (b-a): 10.44
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	1.7	
3 Casing Vol	5.1	2.5

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
5-24-11	1747	NA	NA	NA	0.0	7.40	14.0	53.8	NA	NA	NA	1	73.6	
5-24-11	1750	1	NA	NA	1.7	6.00	12.7	47.0	NA	NA	NA	1	299	
5-24-11	1752	2	NA	NA	2.5	5.60	12.4	50.5	NA	NA	NA	1	407	Dry
5-25-11	1235	3	NA	NA	Sample	6.28	13.7	55.2	NA	NA	NA	1	8.25	Sample

5-25-11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

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

Sample Collection Time 1235 on 5-25-11

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

☐ Development
☒ Purging

Well Number: MW-11

Date: 5-24-11 Field Personnel: JHF

Site Name/Location: BAAC

For Low Flow Sampling: Page NA

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): 11.18 @ 1743
Total Depth of Well (b): 21.62
Length of Water Column in Well (b-a): 10.44
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	1.7	
3 Casing Vol	5.1	2.5

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
5-24-11	1747	NA	NA	NA	0.0	7.40	14.0	53.8	NA	NA	NA	1	73.6	
5-24-11	1750	1	NA	NA	1.7	6.00	12.7	47.0	NA	NA	NA	1	299	
5-24-11	1752	2	NA	NA	2.5	5.60	12.4	50.5	NA	NA	NA	1	407	Dry
5-25-11	1235	3	NA	NA	Sample	6.28	13.7	55.2	NA	NA	NA	1	8.25	Sample

5-25-11

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

Weather Conditions/~Temp: Partly Cloudy / 80s °F

Precipitate: none

Fe^{+2} mg/L= NA

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Very Clear

Sample Collection Time 1235 on 5-25-11

Comments

Reviewed by: Date:

Revised 2/3/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BAPC **Date:** 5-24-11

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	
1241	JHF	98.9	105.5	@ 30.7 °C
1800	JHF	996	977	@ 28.5 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC00942 Probe: 605377 10F

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1241	JHF	7.0	6.99
1800	JHF	4.0	4.04

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 98 07 000 18869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1242	JHF	46.9	48.4
1800	JHF	473	473

Field Duplicate

Well ID: MW-12

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1642	JHF	326.0	5.97	<5.0	14.0

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

Reviewed by: _____ Date: _____

Revised 03/18/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 1 of 1

Well Number: MW-6

☐ Development
☒ Purging

Date: 5-25-11

Field Personnel: JAF / BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 14.00 @ 1358
Total Depth of Well (b): 20.69
Length of Water Column in Well (b-a): 6.69
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.1	
3 Casing Vol	3.3	3.3

Circle One that Applies

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

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-25-11	1401	NA	0.22	NA	0.0	5.47	16.9	519.6	NA	NA	NA	1	33.8	
5-25-11	1406	1	0.22	NA	1.1	5.48	15.0	470.7	NA	NA	NA	1	7.10	
5-25-11	1411	2	0.22	NA	2.2	5.50	14.5	471.6	NA	NA	NA	1	<5.0	
5-25-11	1416	3	0.22	NA	3.3	5.53	14.4	780.5	NA	NA	NA	1	<5.0	

5-25-11

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

Weather Conditions/~Temp: Sunny / 80s °F

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Very Clear

Precipitate: none

Fe^{+2} mg/L= NA

Sample Collection Time 1418

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRK **Date:** 5-25-11

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC 00 262 Probe: 08L 100071

Time: 0837 Analyst: JHF Cell Constant 4.91

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
11-03-37	10.2		9.8	19.9
11-03-39	98.9		98.8	20.2
11-03-41	996		937	19.9
11-03-43	SSS conc:	447	419.8	20.1

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 00 942 Probe: 605377 10F

Time: 0837 Analyst: JHF Slope: 97.9

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
09-06-41	4.0		3.98
11-04-14	7.0		7.00
11-04-15	10.0		10.04
10-11-32	SSS conc:	10.0	10.07

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: 98 07000 18869 Date of most recent calibration: 5-7-11

Time: 0841 Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
11-02-01	4.73	4.62
11-02-02	46.9	46.2
11-02-03	473	472

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BAPC **Date:** 5-25-11

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: JC 00 262 Probe: 08L 100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1245	JHF	98.9	99.3 @ 27.2 °C
1720	JHF	996	957 @ 29.5 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: JC 00 942 Probe: 605377 10F

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1245	JHF	7.0	7.02
1720	JHF	4.0	4.03

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 9807000 188869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1246	JHF	4.9	4.71
1722	JHF	4.73	4.79

Field Duplicate

Well ID: MW-6

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1417	JHF	476.4	5.53	<5.0	14.4

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

Reviewed by: _____ Date: _____

Revised 03/18/09