evergreen packaging

Canton Office
175 Main Street • Canton, NC 28716

July 19, 2013

JAG 48-13
Certified Mail #7008 3230 0002 2595 1966
Return Receipt Requested

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

RECEIVED JUL 25 2013 SOLID WASTE SECTION

Subject: Landfill #6, Permit # 44-06, Groundwater and surface water sample results, May 2013

Dear Mr. Lane:

Please find enclosed information related to the sampling of groundwater and surface water at Blue Ridge Paper Products Landfill Number 6 (Permit No. 44-06). The sampling was conducted between May 1, 2013 and May 7, 2013. The analytical results were received in my office on July 17, 2013.

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
Canton / Waynesville
828-646-2028
jim.giauque@everpack.com

Enclosures
file:mwdata071713

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050057 05/01/2013 17:15

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 01, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050057
Received: 05/01/2013 17:15

Sample Number	Sample Description	Matrix	Sampled	Type
3050057-01	MW-14	Ground Water	05/01/13 11:06	Grab
3050057-02	MW-14	Ground Water	05/01/13 13:26	Grab
3050057-03	MW-15	Ground Water	05/01/13 14:09	Grab
3050057-04	MW-15	Ground Water	05/01/13 15:05	Grab
3050057-05	MW-14	Ground Water	05/01/13 13:29	Grab
3050057-06	MW-14	Ground Water	05/01/13 13:32	Grab
3050057-07	MW-14	Ground Water	05/01/13 13:34	Grab
3050057-08	MW-14	Ground Water	05/01/13 13:45	Grab
3050057-09	MW-14	Ground Water	05/01/13 13:52	Grab
3050057-10	MW-14	Ground Water	05/01/13 13:54	Grab
3050057-11	MW-14	Ground Water	05/01/13 13:56	Grab
3050057-12	MW-15	Ground Water	05/01/13 15:08	Grab
3050057-13	MW-15	Ground Water	05/01/13 15:11	Grab
3050057-14	MW-15	Ground Water	05/01/13 15:12	Grab
3050057-15	MW-15	Ground Water	05/01/13 15:24	Grab
3050057-16	MW-15	Ground Water	05/01/13 15:30	Grab
3050057-17	MW-15	Ground Water	05/01/13 15:31	Grab
3050057-18	MW-15	Ground Water	05/01/13 15:34	Grab

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Sample Data

Sample Number 3050057-01
Sample Description MW-14 collected on 05/01/13 11:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**22.91**	0.00	Ft	1.00	05/01/13 11:06	-		RJC	B3E0045

Sample Number 3050057-02
Sample Description MW-14 collected on 05/01/13 13:26

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.1**	0.1	pH Units	1.00	05/01/13 13:26	EPA 9040C		RJC	B3E0045
Specific Conductance at 25 C	**199**	10.0	umhos/cm	1.00	05/01/13 13:26	EPA 9050A		RJC	B3E0045
Temperature	**15.9**	0.0	°C	1.00	05/01/13 13:26	SM 2550B-2000		RJC	B3E0045
Turbidity (Field)	**37.7**	5.0	NTU	1.00	05/01/13 13:26	Field Screen		RJC	B3E0045

Sample Number 3050057-03
Sample Description MW-15 collected on 05/01/13 14:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**21.46**	0.00	Ft	1.00	05/01/13 14:09	-		RJC	B3E0045

Sample Number 3050057-04
Sample Description MW-15 collected on 05/01/13 15:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.0**	0.1	pH Units	1.00	05/01/13 15:05	EPA 9040C		RJC	B3E0045
Specific Conductance at 25 C	**54.9**	10.0	umhos/cm	1.00	05/01/13 15:05	EPA 9050A		RJC	B3E0045
Temperature	**14.0**	0.0	°C	1.00	05/01/13 15:05	SM 2550B-2000		RJC	B3E0045
Turbidity (Field)	**9.4**	5.0	NTU	1.00	05/01/13 15:05	Field Screen		RJC	B3E0045

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Sample Number 3050057-05
Sample Description MW-14 collected on 05/01/13 13:29

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Barium	**0.084**	0.010	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Calcium	**0.73**	0.10	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056
Chromium	**0.011**	0.002	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Iron	**0.83**	0.050	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Magnesium	**0.85**	0.10	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056
Manganese	**0.032**	0.005	mg/L	1.00	05/03/13 15:32	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Potassium	**1.8**	0.50	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:13	EPA 200.8		MER	B3E0084
Sodium	**43**	12	mg/L	25.0	05/03/13 12:38	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:46	EPA 200.7		MER	B3E0056

Sample Number 3050057-06
Sample Description MW-14 collected on 05/01/13 13:32

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:06	EPA 245.1		MER	B3E0274

Sample Number 3050057-07
Sample Description MW-14 collected on 05/01/13 13:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**2.84**	2.00	mg/L	2.00	05/06/13 18:42	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 11:20	EPA 300.0		DJM	B3E0282
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:45	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**8.52**	1.00	mg/L	1.00	05/15/13 23:18	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**132**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Sample Number 3050057-08
Sample Description MW-14 collected on 05/01/13 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168

Sample Number 3050057-09
Sample Description MW-14 collected on 05/01/13 13:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**1.12**	1.00	mg/L	1.00	05/07/13 04:59	SM 5310C-2011		JLF	B3E0115

Sample Number 3050057-11
Sample Description MW-14 collected on 05/01/13 13:56

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**1.14**	0.10	mg/L	1.00	05/09/13 15:15	SM 4500NO3H-2011		REH	B3E0227

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Sample Number 3050057-12
Sample Description MW-15 collected on 05/01/13 15:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Barium	**0.048**	0.010	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Calcium	**4.5**	0.20	mg/L	2.00	05/03/13 13:30	EPA 200.7		MER	B3E0056
Chromium	**0.005**	0.002	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Iron	**0.51**	0.050	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Magnesium	**1.7**	0.10	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056
Manganese	**0.006**	0.005	mg/L	1.00	05/03/13 15:35	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Potassium	**1.6**	0.50	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:17	EPA 200.8		MER	B3E0084
Sodium	**2.9**	0.50	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:06	EPA 200.7		MER	B3E0056

Sample Number 3050057-13
Sample Description MW-15 collected on 05/01/13 15:11

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:14	EPA 245.1		MER	B3E0274

Sample Number 3050057-14
Sample Description MW-15 collected on 05/01/13 15:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.28**	1.00	mg/L	1.00	05/06/13 19:05	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 11:43	EPA 300.0		DJM	B3E0282
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:40	SM 4500NO2B-2011		REH	B3E0051
Sulfate	ND	1.00	mg/L	1.00	05/16/13 00:33	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**53.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Sample Number 3050057-15
Sample Description MW-15 collected on 05/01/13 15:24

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168

Sample Number 3050057-16
Sample Description MW-15 collected on 05/01/13 15:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	ND	1.00	mg/L	1.00	05/07/13 06:17	SM 5310C-2011		JLF	B3E0115

Sample Number 3050057-18
Sample Description MW-15 collected on 05/01/13 15:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**0.32**	0.10	mg/L	1.00	05/09/13 15:15	SM 4500NO3H-2011		REH	B3E0227

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Subcontracted Analyses

Sample Number 3050057-10
Sample Description MW-14 collected on 05/01/13 13:54

Parameter

Subcontract TOH

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

Sample Number 3050057-17
Sample Description MW-15 collected on 05/01/13 15:31

Parameter

Subcontract TOH

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

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0051 - General Prep - Wet Chem										
Blank (B3E0051-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0051-BS1)										
Nitrite as N	0.517	0.010	mg/L	0.500		103	85-115			
Matrix Spike (B3E0051-MS1)	**Source: 3050060-21**									
Nitrite as N	0.266	0.010	mg/L	0.250	ND	106	80-120			
Matrix Spike Dup (B3E0051-MSD1)	**Source: 3050060-21**									
Nitrite as N	0.264	0.010	mg/L	0.250	ND	106	80-120	0.7	20	
Batch B3E0115 - General Prep - TOC										
Blank (B3E0115-BLK1)										
Total Organic Carbon	ND	0.20	mg/L							
LCS (B3E0115-BS1)										
Total Organic Carbon	4.04		mg/L	4.00		101	85-115			
Matrix Spike (B3E0115-MS1)	**Source: 3050057-09**									
Total Organic Carbon	4.65		mg/L	3.75	1.12	94	80-120			
Matrix Spike (B3E0115-MS2)	**Source: 3050103-15**									
Total Organic Carbon	3.72		mg/L	3.75	ND	96	80-120			
Matrix Spike Dup (B3E0115-MSD1)	**Source: 3050057-09**									
Total Organic Carbon	4.62		mg/L	3.75	1.12	93	80-120	0.7	15	
Matrix Spike Dup (B3E0115-MSD2)	**Source: 3050103-15**									
Total Organic Carbon	3.70		mg/L	3.75	ND	96	80-120	0.5	15	
Batch B3E0139 - General Prep - Solids										
Blank (B3E0139-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0139 - General Prep - Solids										
LCS (B3E0139-BS1)										
Total Dissolved Solids	2020	25.0	mg/L	2020		100	80-120			
Duplicate (B3E0139-DUP1)	**Source: 3050104-14**									
Total Dissolved Solids	2330	250	mg/L		2810			19	15	P
Batch B3E0145 - General Prep - IC										
Blank (B3E0145-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0145-BS1)										
Chloride	4.74	1.00	mg/L	5.00		95	90-110			
Duplicate (B3E0145-DUP1)	**Source: 3050045-06RE1**									
Chloride	178	50.0	mg/L		176			2	20	
Duplicate (B3E0145-DUP2)	**Source: 3050060-19RE1**									
Chloride	ND	25.0	mg/L		ND				20	
Duplicate (B3E0145-DUP3)	**Source: 3050103-35**									
Chloride	29.3	10.0	mg/L		30.2			3	20	
Matrix Spike (B3E0145-MS1)	**Source: 3050045-06RE1**									
Chloride	330	50.0	mg/L	150	176	103	90-110			
Matrix Spike (B3E0145-MS2)	**Source: 3050060-19RE1**									
Chloride	76.4	25.0	mg/L	75.0	ND	77	90-110			S1
Matrix Spike (B3E0145-MS3)	**Source: 3050103-35**									
Chloride	58.4	10.0	mg/L	30.0	30.2	94	90-110			
Batch B3E0168 - General Prep - Phenol										
Blank (B3E0168-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							

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Evergreen Packaging 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 3050057 06/27/13 14:16

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0168 - General Prep - Phenol										
Blank (B3E0168-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B3E0168-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
LCS (B3E0168-BS2)										
Total Recoverable Phenols	0.039	0.005	mg/L	0.0400		98	90-110			
Duplicate (B3E0168-DUP1)	**Source: 3050060-09**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0168-DUP2)	**Source: 3050060-15**									
Total Recoverable Phenols	ND	0.005	mg/L		0.005				20	P3
Duplicate (B3E0168-DUP3)	**Source: 3050103-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0168-MS1)	**Source: 3050060-09**									
Total Recoverable Phenols	0.035	0.005	mg/L	0.0400	ND	83	75-125			
Matrix Spike (B3E0168-MS2)	**Source: 3050060-15**									
Total Recoverable Phenols	0.033	0.005	mg/L	0.0400	0.005	71	75-125			S1
Matrix Spike (B3E0168-MS3)	**Source: 3050103-15**									
Total Recoverable Phenols	0.038	0.005	mg/L	0.0400	ND	90	75-125			
Batch B3E0227 - General Prep - Wet Chem KL										
Blank (B3E0227-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0227-BS1)										
Nitrate-Nitrite as N	2.10	0.10	mg/L	2.00		105	85-115			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0227 - General Prep - Wet Chem KL										
Matrix Spike (B3E0227-MS1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.17	0.10	mg/L	1.25	ND	91	75-125			
Matrix Spike Dup (B3E0227-MSD1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.15	0.10	mg/L	1.25	ND	89	75-125	2	20	
Batch B3E0282 - General Prep - IC										
Blank (B3E0282-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0282-BS1)										
Fluoride	0.49	0.10	mg/L	0.500		98	90-110			
Duplicate (B3E0282-DUP1)	**Source: 3040772-05**									
Fluoride	5.87	1.00	mg/L		5.82			0.9	20	
Matrix Spike (B3E0282-MS1)	**Source: 3040772-05**									
Fluoride	8.44	1.00	mg/L	3.00	5.82	87	90-110			S1
Batch B3E0559 - General Prep - IC										
Blank (B3E0559-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0559-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			
Duplicate (B3E0559-DUP1)	**Source: 3050057-07**									
Sulfate	8.54	1.00	mg/L		8.52			0.2	20	
Duplicate (B3E0559-DUP2)	**Source: 3050060-21**									
Sulfate	3.42	1.00	mg/L		3.42			0.09	20	

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0559 - General Prep - IC										
Matrix Spike (B3E0559-MS1)	**Source: 3050057-07**									
Sulfate	11.9	1.00	mg/L	3.00	8.52	112	90-110			S3
Matrix Spike (B3E0559-MS2)	**Source: 3050060-21**									
Sulfate	6.49	1.00	mg/L	3.00	3.42	102	90-110			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0056 - SM 3030C - ICP										
Blank (B3E0056-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0056-BS1)										
Barium	0.98	0.010	mg/L	1.00		98	85-115			
Calcium	0.98	0.10	mg/L	1.00		98	85-115			
Iron	0.99	0.050	mg/L	1.00		99	85-115			
Magnesium	0.98	0.10	mg/L	1.00		98	85-115			
Potassium	10	0.50	mg/L	10.0		100	85-115			
Sodium	0.99	0.50	mg/L	1.00		99	85-115			
Zinc	0.97	0.020	mg/L	1.00		97	85-115			
Duplicate (B3E0056-DUP1) Source: 3050057-12										
Barium	0.047	0.010	mg/L		0.048			0.7	20	
Calcium	4.5	0.20	mg/L		4.5			0.3	20	
Iron	0.51	0.050	mg/L		0.51			0.5	20	
Magnesium	1.7	0.10	mg/L		1.7			0.5	20	
Potassium	1.6	0.50	mg/L		1.6			0.07	20	
Sodium	2.9	0.50	mg/L		2.9			0.2	20	
Zinc	ND	0.020	mg/L		ND				20	P3
Matrix Spike (B3E0056-MS1) Source: 3050057-12										
Barium	1.0	0.010	mg/L	1.00	0.048	98	70-130			
Calcium	5.5	0.20	mg/L	1.00	4.5	99	70-130			
Iron	1.5	0.050	mg/L	1.00	0.51	101	70-130			
Magnesium	2.6	0.10	mg/L	1.00	1.7	98	70-130			
Potassium	12	0.50	mg/L	10.0	1.6	100	70-130			
Sodium	3.9	0.50	mg/L	1.00	2.9	91	70-130			
Zinc	0.97	0.020	mg/L	1.00	ND	97	70-130			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0056 - SM 3030C - ICP										
Post Spike (B3E0056-PS1)	**Source: 3050057-12**									
Barium	1.0		mg/L	1.00	0.048	100	85-115			
Iron	1.5		mg/L	1.00	0.51	101	85-115			
Magnesium	2.7		mg/L	1.00	1.7	100	85-115			
Potassium	12		mg/L	10.0	1.6	103	85-115			
Sodium	3.9		mg/L	1.00	2.9	97	85-115			
Zinc	0.99		mg/L	1.00	ND	99	85-115			
Post Spike (B3E0056-PS2)	**Source: 3050057-12**									
Calcium	6.6	0.20	mg/L	2.00	4.5	102	85-115			
Batch B3E0084 - EPA 200.8 Mod										
Blank (B3E0084-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0084-BS1)										
Arsenic	0.020	0.005	mg/L	0.0200		100	85-115			
Cadmium	0.020	0.0010	mg/L	0.0200		100	85-115			
Chromium	0.020	0.002	mg/L	0.0200		100	85-115			
Copper	0.019	0.005	mg/L	0.0200		97	85-115			
Lead	0.020	0.005	mg/L	0.0200		99	85-115			
Manganese	0.020	0.005	mg/L	0.0200		100	85-115			
Nickel	0.020	0.005	mg/L	0.0200		100	85-115			
Selenium	0.021	0.005	mg/L	0.0200		103	85-115			
Silver	0.020	0.002	mg/L	0.0200		99	85-115			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0084 - EPA 200.8 Mod										
Matrix Spike (B3E0084-MS1)	**Source: 3050060-21**									
Arsenic	0.017	0.005	mg/L	0.0200	ND	86	70-130			
Cadmium	0.018	0.0001	mg/L	0.0200	ND	92	70-130			
Chromium	0.026	0.005	mg/L	0.0200	ND	121	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Lead	0.018	0.002	mg/L	0.0200	ND	91	70-130			
Manganese	0.019	0.005	mg/L	0.0200	ND	78	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130			
Selenium	0.018	0.005	mg/L	0.0200	ND	82	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	95	70-130			
Matrix Spike Dup (B3E0084-MSD1)	**Source: 3050060-21**									
Arsenic	0.018	0.005	mg/L	0.0200	ND	90	70-130	4	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	93	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	109	70-130	10	20	
Copper	0.019	0.005	mg/L	0.0200	ND	93	70-130	0.9	20	
Lead	0.018	0.005	mg/L	0.0200	ND	92	70-130	1.26	20	
Manganese	0.019	0.005	mg/L	0.0200	ND	80	70-130	2	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130	0.7	20	
Selenium	0.018	0.005	mg/L	0.0200	ND	84	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130	0.6	20	
Post Spike (B3E0084-PS1)	**Source: 3050060-21**									
Arsenic	0.023		mg/L	0.0250	ND	90	75-125			
Cadmium	0.023		mg/L	0.0250	ND	92	75-125			
Chromium	0.026		mg/L	0.0250	ND	98	75-125			
Copper	0.024		mg/L	0.0250	ND	91	75-125			
Lead	0.023		mg/L	0.0250	ND	91	75-125			
Manganese	0.023		mg/L	0.0250	ND	79	75-125			
Nickel	0.025		mg/L	0.0250	ND	93	75-125			
Selenium	0.022		mg/L	0.0250	ND	85	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Batch B3E0274 - EPA 245.1										
Blank (B3E0274-BLK1)										
Mercury	ND	0.00020	mg/L							

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0274 - EPA 245.1										
LCS (B3E0274-BS1)										
Mercury	0.0053	0.00020	mg/L	0.00500		107	85-115			
Duplicate (B3E0274-DUP1)	**Source: 3050057-06**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0274-DUP2)	**Source: 3050060-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0274-MS1)	**Source: 3050057-06**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0274-MS2)	**Source: 3050060-21**									
Mercury	0.0047	0.00020	mg/L	0.00500	ND	93	70-130			

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0084	3050057-05	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050057-12	05/02/2013 15:50	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0274	3050057-06	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050057-13	05/07/2013 09:32	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0056	3050057-05	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050057-12	05/02/2013 11:21	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050057
Canton, NC 28716		Reported:	06/27/13 14:16

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P	The RPD between the sample / duplicate or matrix spike / spike duplicate was not within control limits.
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.

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3050057

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: Evergreen Packing
Address: Canton NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

Filtered (Yes/No)	N	N	N	N	N	N	N		
Cooled (Yes/No)	Y	Y	Y	Y	Y	Y	Y		
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500 mL	250 mL	1/2	1L	250 mL	250 mL	250 mL		
Sample Type (Grab/Composite)	G	G	G	G	G	G	G		
Sample Source (WW, GW, DW, Other)	GW	GW	GW	GW	GW	GW	GW		
Sample Source Chlorinated (Yes/No)	N	N	N	N	N	N	N		
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA		NA	KRU	
Lab Receipt pH Check	12	12	NA	12	12		12	5.2.13	
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Metals	Hg	Cl, Fl, TDS, SO_4, NO_2	Phenol	TOC	TOX ②	NO_3		

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

Rogers & Callcott Lab No.	Yr 13 Date	Time	Sample Description	Total Number of Containers	Metals	Hg	Cl, Fl, TDS, SO_4, NO_2	Phenol	TOC	TOX ②	NO_3	COMMENTS: -01 through -04 Field data collected
-05	05/01	1329	MW-14	1	1							
-06		1332	MW-14	1		1						
-07		1334	MW-14	1			1					metals = As, Ba, Cd, Ca, Cr,
-08		1345	MW-14	1				1				Cu, Fe, Pb, Mg, Mn, Ni, K,
-09		1352	MW-14	1					1			Se, Ag, Na, Zn
-10		1354	MW-14	1						1		
-11	—	1356	MW-14	1							1	② Subcontracted

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
①	05/01/13 1537	②	5-1-13 1537
Relinquished by (Sig.) ③	5-1-13 1715	Received by (Sig.) ④ / Shipper Name & #	5/1/13 1715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ / Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.8 not Fr °C

Form Revised July 2008

R/C COC FORM

3050057

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: Evergreen Packing
Address: Canton NC
Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

Filtered (Yes/No)	N	N	N	N	N	N	N		
Cooled (Yes/No)	Y	Y	Y	Y	Y	Y	Y		
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500 ML	250 ML	1/2	1L	250 ML	250 ML	250 ML		
Sample Type (Grab/Composite)	G	G	G	G	G	G	G		
Sample Source (WW, GW, DW, Other)	GW	GW	GW	GW	GW	GW	GW		
Sample Source Chlorinated (Yes/No)	N	N	N	N	N	N	N		
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA	/	NA	HRU	
Lab Receipt pH Check	12	12	NA	12	12	/	12	5.2.13	
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Metals	Hg	Cl, F, TDS, SO4, NO2	phenol	TOC	TOX	NO3		

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

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	Metals	Hg	Cl, F, TDS, SO4, NO2	phenol	TOC	TOX	NO3	COMMENTS:
-12	05/01	1508	MW-15	1	1							Field data Collected
-13	|	1511	MW-15	1		1						
-14	|	1512	MW-15	1			1					metals = As, Ba, Cd, Ca, Cr,
-15	|	1524	MW-15	1				1				Cu, Fe, Pb, Mg, Mn, Ni, K,
-16	|	1530	MW-15	1					1			Se, Ag, Na, Zn
-17	|	1531	MW-15	1						1		
-18	—	1534	MW-15	1							1	® subcontracted

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①	05/01/13 1537	② Shipper Name & #	5-1-13 1537
Relinquished by (Sig.) ③	5-1-13 1715	Received by (Sig.) ④ Shipper Name & #	5/1/13 1715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection: °C
At time of lab receipt: -0.8 °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-14

Date: 05/01/13 Field Personnel: ATC

Site Name/Location: ATC 05/01/13 BPC Evergreen Packing

Weather Conditions/~Temp: Cloudy / 63 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 22.91 @ 1106
Total Depth of Well (b): 35.22
Length of Water Column in Well (b-a): 12.31
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	2.0	
3 Casing Vol	6.0	3160 ml

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 Tag? Okay / No
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/01/13	1306	-	N/A	22.91	0.0	6.55	17.0	196.7	N/A	N/A	1	7.01	
	1311	1	166	22.98	830	6.25	15.3	191.9	N/A	N/A	1	27.8	
	1316	2	166	23.03	1660	6.14	15.1	195.3	N/A	N/A	1	39.4	
	1321	3	150	23.05	2410	6.14	15.3	197.9	N/A	N/A	1	37.5	
	1326	4	150	23.06	3160	6.14	15.9	198.7	N/A	N/A	1	37.7	
		5											
		6											
		7											

05/01/13

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

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

Sample Collection Time: metals = 1329 Hg = 1332 Cl, Fl, TDS, SO4, NO2 = 1334 Phenol = 1345
TOC = 1352 TOX = 1354 NO3 = 1356

Comments:

Revised 1-

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-15

Date: 05/01/13 Field Personnel: NTC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Cloudy / 66 °F Page 2 of 2

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 21.46 @ 1409
Total Depth of Well (b): 43.71
Length of Water Column in Well (b-a): 22.25
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	3.6	
3 Casing Vol	10.8	4150 mL

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 Tag? Okay / No
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (~~ml/m~~)	Water Level (feet)	Water Volume Removed (gal) or (~~ml~~)	pH (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/01/13	1440	-	N/A	21.46	0.0	6.24	15.4	59.3	N/A	N/A	1	< 5.0	
	1445	1	166	21.52	830	6.19	14.6	56.9	N/A	N/A	1	< 5.0	
	1450	2	166	21.58	1660	6.04	14.5	58.2	N/A	N/A	1	< 5.0	
	1455	3	166	21.60	2490	6.01	14.1	55.2	N/A	N/A	1	5.21	
	1500	4	166	21.63	3320	5.97	13.8	55.4	N/A	N/A	1	6.97	
	1505	5	166	21.67	4150	5.97	14.0	54.9	N/A	N/A	1	9.43	
		6											
		7											

05/01/13

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

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

Sample Collection Time: Metals = 1508 Hg = 1511 Cl, Fl, TDS, SO4, NO2 = 1512 Phenol = 1524
TOC = 1530 TOX = 1531 NO3 = 1534

Comments:

Revised 1-7

Copy

Rogers and Callcott Engineers
Field Meter Calibration Record

ATC 05/01/13
Client: ~~BRPE~~ Evergreen Packing Date: 05/01/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QV1-12336
Time: 0816 Analyst: ATC Cell Constant 0.461

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300565	9.69		9.43	21.3
P301864	99.8		101.1	21.2
P301861	998		1013	21.2
P301087	SSS conc:	447	453	21.2

Temperature compensation for pH / conductivity meter : -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600
Time: 0801 Analyst: ATC Slope: 100.1

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.09
P204625	7.0		7.08
P204626	10.0		10.06
P204624	SSS conc:	4.0	4.08

Turbidity Meter Calibration Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869 Date of most recent calibration: 05/01/13
Time: 0825 Analyst: ATC

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301996	(0-10)	6.05	6.20
P301997	(0-100)	52.5	52.5
P301998	(0-1000)	436	435

Reviewed by: KLH Date: 6/7/13

Copy

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: Eurscreen Packing

Date: 05/01/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion 4 Star

SN: A12882

Probe: QU1-12336

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1300	NJC	99.8	99.4 @ 22.0 °C
1947	NJC	9.69	9.52 @ 24.9 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion 4 Star

Probe: PR1-13600

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1258	NJC	7.0	7.09
1943	NJC	4.0	4.05

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 980700018869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1259	NJC	(0-100) 52.5	52.7
1944	NJC	(0-10) 6.05	6.09

Field Duplicate

Well ID: MW-15

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1506	NJC	54.9	5.94	9.51	13.9

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

Reviewed by: [illegible] Date: 6/13

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN PACKAGING Date Received: 5.1.13 Work Order: 3050057

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

Tracking Number: _____

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

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

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue:

Revised November 2012

Completed by: KRC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26284-1
Client Project/Site: Rogers & Calcott - NC

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:20:23 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26284-1	3050057-10 MW-14	GW	05/01/13 13:54	05/09/13 08:30
490-26284-2	3050057-17 MW-15	GW	05/01/13 15:31	05/09/13 08:30

Job ID: 490-26284-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26284-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 79927.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Client Sample ID: 3050057-10 MW-14
Date Collected: 05/01/13 13:54
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26284-1
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Client Sample ID: 3050057-17 MW-15
Date Collected: 05/01/13 15:31
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26284-2
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-79927/5
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Lab Sample ID: LCS 490-79927/4
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2334		mg/L		93	90 - 110

TestAmerica Nashville

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

General Chemistry

Analysis Batch: 79927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26284-1	3050057-10 MW-14	Total/NA	GW	9020B	
490-26284-2	3050057-17 MW-15	Total/NA	GW	9020B	
LCS 490-79927/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-79927/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Client Sample ID: 3050057-10 MW-14

Lab Sample ID: 490-26284-1

Date Collected: 05/01/13 13:54

Matrix: GW

Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050057-17 MW-15

Lab Sample ID: 490-26284-2

Date Collected: 05/01/13 15:31

Matrix: GW

Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26284-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

490-26284 Chain of Custody

COOLER RECEIPT FOR

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8553 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 2.5 *Degrees Celsius*

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

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

If yes, how many and where: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 NCM generated? YES...NO...#_____

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 11/28/12

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

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Loc: 490
26284

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX
0057-10	5.1	1354	MW-14	1	1
+ -17	+	1531	MW-15	1	1

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_2 Check								
Lab Receipt pH Check								
Preserved (Code)	B							

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

COMMENTS:

SUB TO TEST AMERICA

NC SAMPLES

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.8.13 1000	② [signature] Shipper Name & # TAN	5-9-13 0930
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 2.5 °C

Form Revised July 2008

R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26284-1

Login Number: 26284
List Number: 1
Creator: Myers, Madonna

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050060 05/01/2013 17:15

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 01, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company

Rogers & Callcott
ENVIRONMENTAL

Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050060
Received: 05/01/2013 17:15

Sample Number	Sample Description	Matrix	Sampled	Type
3050060-01	Pigeon R Down	Ground Water	05/01/13 11:25	Grab
3050060-02	BB-Up	Ground Water	05/01/13 11:55	Grab
3050060-03	BB-Down	Ground Water	05/01/13 13:10	Grab
3050060-04	BB-3	Ground Water	05/01/13 13:38	Grab
3050060-05	BB-4	Ground Water	05/01/13 14:10	Grab
3050060-06	Pigeon R Up	Ground Water	05/01/13 14:25	Grab
3050060-07	Underflow Drain	Ground Water	05/01/13 14:45	Grab
3050060-08	Landfill Leachate	Ground Water	05/01/13 15:05	Grab
3050060-09	Pigeon R Down	Ground Water	05/01/13 11:25	Grab
3050060-10	Pigeon R Down	Ground Water	05/01/13 11:25	Grab
3050060-11	BB-Up	Ground Water	05/01/13 11:55	Grab
3050060-12	BB-Up	Ground Water	05/01/13 11:55	Grab
3050060-13	BB-Down	Ground Water	05/01/13 13:10	Grab
3050060-14	BB-Down	Ground Water	05/01/13 13:10	Grab
3050060-15	BB-3	Ground Water	05/01/13 13:38	Grab
3050060-16	BB-3	Ground Water	05/01/13 13:38	Grab
3050060-17	BB-4	Ground Water	05/01/13 14:10	Grab
3050060-18	BB-4	Ground Water	05/01/13 14:10	Grab
3050060-19	Pigeon River Up	Ground Water	05/01/13 14:25	Grab
3050060-20	Pigeon River Up	Ground Water	05/01/13 14:25	Grab
3050060-21	Underflow Drain	Ground Water	05/01/13 14:45	Grab
3050060-22	Underflow Drain	Ground Water	05/01/13 14:45	Grab
3050060-23	Underflow Drain	Ground Water	05/01/13 14:45	Grab
3050060-24	Landfill Leachate	Ground Water	05/01/13 15:05	Grab
3050060-25	Landfill Leachate	Ground Water	05/01/13 15:05	Grab
3050060-26	Landfill Leachate	Ground Water	05/01/13 15:05	Grab

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Data

Sample Number 3050060-01
Sample Description Pigeon R Down collected on 05/01/13 11:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/01/13 11:25	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**170**	10.0	umhos/cm	1.00	05/01/13 11:25	EPA 9050A		JHF	B3E0048
Temperature	**15.2**	0.0	°C	1.00	05/01/13 11:25	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**5.2**	5.0	NTU	1.00	05/01/13 11:25	Field Screen		JHF	B3E0048

Sample Number 3050060-02
Sample Description BB-Up collected on 05/01/13 11:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.8**	0.1	pH Units	1.00	05/01/13 11:55	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**55.2**	10.0	umhos/cm	1.00	05/01/13 11:55	EPA 9050A		JHF	B3E0048
Temperature	**14.9**	0.0	°C	1.00	05/01/13 11:55	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**19.8**	5.0	NTU	1.00	05/01/13 11:55	Field Screen		JHF	B3E0048

Sample Number 3050060-03
Sample Description BB-Down collected on 05/01/13 13:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.4**	0.1	pH Units	1.00	05/01/13 13:10	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**62.2**	10.0	umhos/cm	1.00	05/01/13 13:10	EPA 9050A		JHF	B3E0048
Temperature	**16.6**	0.0	°C	1.00	05/01/13 13:10	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**21.1**	5.0	NTU	1.00	05/01/13 13:10	Field Screen		JHF	B3E0048

Sample Number 3050060-04
Sample Description BB-3 collected on 05/01/13 13:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/01/13 13:38	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**72.3**	10.0	umhos/cm	1.00	05/01/13 13:38	EPA 9050A		JHF	B3E0048
Temperature	**16.6**	0.0	°C	1.00	05/01/13 13:38	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**20.9**	5.0	NTU	1.00	05/01/13 13:38	Field Screen		JHF	B3E0048

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-05
Sample Description BB-4 collected on 05/01/13 14:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.8**	0.1	pH Units	1.00	05/01/13 14:10	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**74.8**	10.0	umhos/cm	1.00	05/01/13 14:10	EPA 9050A		JHF	B3E0048
Temperature	**16.7**	0.0	°C	1.00	05/01/13 14:10	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**19.2**	5.0	NTU	1.00	05/01/13 14:10	Field Screen		JHF	B3E0048

Sample Number 3050060-06
Sample Description Pigeon R Up collected on 05/01/13 14:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/01/13 14:25	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**136**	10.0	umhos/cm	1.00	05/01/13 14:25	EPA 9050A		JHF	B3E0048
Temperature	**16.0**	0.0	°C	1.00	05/01/13 14:25	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**5.5**	5.0	NTU	1.00	05/01/13 14:25	Field Screen		JHF	B3E0048

Sample Number 3050060-07
Sample Description Underflow Drain collected on 05/01/13 14:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.8**	0.1	pH Units	1.00	05/01/13 14:45	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**88.0**	10.0	umhos/cm	1.00	05/01/13 14:45	EPA 9050A		JHF	B3E0048
Temperature	**21.1**	0.0	°C	1.00	05/01/13 14:45	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	ND	5.0	NTU	1.00	05/01/13 14:45	Field Screen		JHF	B3E0048

Sample Number 3050060-08
Sample Description Landfill Leachate collected on 05/01/13 15:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**8.0**	0.1	pH Units	1.00	05/01/13 15:05	EPA 9040C		JHF	B3E0048
Specific Conductance at 25 C	**15600**	10.0	umhos/cm	1.00	05/01/13 15:05	EPA 9050A		JHF	B3E0048
Temperature	**22.2**	0.0	°C	1.00	05/01/13 15:05	SM 2550B-2000		JHF	B3E0048
Turbidity (Field)	**67.0**	5.0	NTU	1.00	05/01/13 15:05	Field Screen		JHF	B3E0048

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-09
Sample Description Pigeon R Down collected on 05/01/13 11:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**7.90**	5.00	mg/L	5.00	05/17/13 11:14	EPA 300.0	S1	DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/07/13 12:06	EPA 300.0		DJM	B3E0282
Nitrate-Nitrite as N	**0.18**	0.10	mg/L	1.00	05/09/13 15:25	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:40	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**21.8**	5.00	mg/L	5.00	05/22/13 15:25	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**95.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.48**	1.00	mg/L	1.00	05/07/13 06:35	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:17	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Barium	**0.018**	0.010	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Calcium	**2.8**	0.10	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056
Chromium	**0.004**	0.002	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Iron	**0.20**	0.050	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Magnesium	**0.89**	0.10	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056
Manganese	**0.019**	0.005	mg/L	1.00	05/03/13 15:38	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Potassium	**1.8**	0.50	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:20	EPA 200.8		MER	B3E0084
Sodium	**23**	12	mg/L	25.0	05/03/13 12:16	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:48	EPA 200.7		MER	B3E0056

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-11
Sample Description BB-Up collected on 05/01/13 11:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**2.12**	1.00	mg/L	1.00	05/06/13 19:51	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 12:29	EPA 300.0		DJM	B3E0282
Nitrate-Nitrite as N	**0.44**	0.10	mg/L	1.00	05/09/13 15:25	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:45	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**4.66**	1.00	mg/L	1.00	05/16/13 01:23	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**42.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.14**	1.00	mg/L	1.00	05/07/13 06:55	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:20	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Barium	**0.031**	0.010	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Calcium	**3.4**	0.10	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Chromium	**0.005**	0.002	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Iron	**0.92**	0.050	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Magnesium	**1.6**	0.10	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Manganese	**0.056**	0.005	mg/L	1.00	05/03/13 15:41	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Potassium	**1.7**	0.50	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:23	EPA 200.8		MER	B3E0084
Sodium	**3.0**	0.50	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:51	EPA 200.7		MER	B3E0056

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-13
Sample Description BB-Down collected on 05/01/13 13:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**2.87**	1.00	mg/L	1.00	05/06/13 20:14	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 12:52	EPA 300.0		DJM	B3E0282
Nitrate-Nitrite as N	**0.45**	0.10	mg/L	1.00	05/09/13 15:25	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:48	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**4.81**	1.00	mg/L	1.00	05/16/13 01:48	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**51.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.14**	1.00	mg/L	1.00	05/07/13 07:16	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:23	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Barium	**0.030**	0.010	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Calcium	**3.7**	0.10	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Chromium	**0.005**	0.002	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Iron	**0.77**	0.050	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Magnesium	**1.6**	0.10	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Manganese	**0.059**	0.005	mg/L	1.00	05/03/13 15:45	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Potassium	**1.7**	0.50	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:27	EPA 200.8		MER	B3E0084
Sodium	**3.6**	0.50	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:53	EPA 200.7		MER	B3E0056

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-15
Sample Description BB-3 collected on 05/01/13 13:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**3.15**	1.00	mg/L	1.00	05/06/13 20:37	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 13:15	EPA 300.0		DJM	B3E0282
Nitrate-Nitrite as N	**0.50**	0.10	mg/L	1.00	05/09/13 15:26	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:40	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**7.07**	1.00	mg/L	1.00	05/16/13 02:13	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**51.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.49**	1.00	mg/L	1.00	05/07/13 08:14	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1	S1	DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:26	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Barium	**0.031**	0.010	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Calcium	**4.0**	0.10	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056
Chromium	**0.006**	0.002	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Iron	**0.78**	0.050	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Magnesium	**1.7**	0.10	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056
Manganese	**0.060**	0.005	mg/L	1.00	05/03/13 16:04	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Potassium	**1.9**	0.50	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:46	EPA 200.8		MER	B3E0084
Sodium	**5.6**	2.5	mg/L	5.00	05/03/13 13:06	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:56	EPA 200.7		MER	B3E0056

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-17
Sample Description BB-4 collected on 05/01/13 14:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**3.24**	1.00	mg/L	1.00	05/06/13 21:00	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/07/13 13:38	EPA 300.0		DJM	B3E0282
Nitrate-Nitrite as N	**0.45**	0.10	mg/L	1.00	05/09/13 15:36	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:45	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**7.74**	1.00	mg/L	1.00	05/16/13 02:38	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**52.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.18**	1.00	mg/L	1.00	05/07/13 08:35	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:34	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Barium	**0.030**	0.010	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Calcium	**3.9**	0.10	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056
Chromium	**0.005**	0.002	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Iron	**0.77**	0.050	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Magnesium	**1.7**	0.10	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056
Manganese	**0.060**	0.005	mg/L	1.00	05/03/13 16:07	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Potassium	**1.8**	0.50	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:50	EPA 200.8		MER	B3E0084
Sodium	**6.5**	2.5	mg/L	5.00	05/03/13 13:08	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 12:58	EPA 200.7		MER	B3E0056

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-19
Sample Description Pigeon River Up collected on 05/01/13 14:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**7.13**	1.00	mg/L	1.00	05/17/13 12:29	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/08/13 18:03	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	**0.18**	0.10	mg/L	1.00	05/09/13 15:36	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:45	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**20.1**	5.00	mg/L	5.00	05/22/13 15:50	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**89.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.42**	1.00	mg/L	1.00	05/07/13 08:57	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:37	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Barium	**0.018**	0.010	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Calcium	**2.9**	0.10	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056
Chromium	**0.005**	0.002	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Iron	**0.21**	0.050	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Magnesium	**0.94**	0.10	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056
Manganese	**0.018**	0.005	mg/L	1.00	05/03/13 16:10	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Potassium	**1.8**	0.50	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:53	EPA 200.8		MER	B3E0084
Sodium	**21**	12	mg/L	25.0	05/03/13 12:23	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 13:01	EPA 200.7		MER	B3E0056

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-21
Sample Description Underflow Drain collected on 05/01/13 14:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**12.5**	2.00	mg/L	2.00	05/06/13 23:18	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 18:26	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	**0.38**	0.10	mg/L	1.00	05/09/13 15:36	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/02/13 10:35	SM 4500NO2B-2011		REH	B3E0051
Sulfate	**3.42**	1.00	mg/L	1.00	05/16/13 04:18	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**61.0**	25.0	mg/L	1.00	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	ND	1.00	mg/L	1.00	05/07/13 09:16	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:40	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Barium	**0.046**	0.010	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Calcium	**5.2**	0.50	mg/L	5.00	05/03/13 12:33	EPA 200.7		MER	B3E0056
Chromium	ND	0.002	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Copper	ND	0.005	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Iron	ND	0.050	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Magnesium	**2.6**	0.10	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056
Manganese	ND	0.005	mg/L	1.00	05/03/13 14:20	EPA 200.8		MER	B3E0084
Nickel	ND	0.005	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Potassium	**2.1**	0.50	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056
Selenium	ND	0.005	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 13:40	EPA 200.8		MER	B3E0084
Sodium	**3.7**	0.50	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056
Zinc	**0.042**	0.020	mg/L	1.00	05/03/13 13:03	EPA 200.7		MER	B3E0056

Sample Number 3050060-23
Sample Description Underflow Drain collected on 05/01/13 14:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
BOD, 5 Day	ND	2.0	mg/L	1.00	05/02/13 15:55	SM 5210B-2011		LDS	B3E0082
COD	**23.3**	20.0	mg/L	1.00	05/06/13 08:54	EPA 410.4		REH	B3D0957

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-24
Sample Description Landfill Leachate collected on 05/01/13 15:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
BOD, 5 Day	**42.0**	2.0	mg/L	1.00	05/02/13 15:52	SM 5210B-2011		LDS	B3E0082
COD	**156**	20.0	mg/L	1.00	05/06/13 08:54	EPA 410.4		REH	B3D0957
Total Phosphorus as P	**16**	1.0	mg/L	100	05/23/13 15:16	SM 4500PE-2011		REH	B3E0704

Sample Number 3050060-25
Sample Description Landfill Leachate collected on 05/01/13 15:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**140**	50.0	mg/L	50.0	05/06/13 23:41	EPA 300.0		DJM	B3E0145
Fluoride	**13.6**	5.00	mg/L	50.0	05/08/13 18:49	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.20	mg/L	2.00	05/09/13 15:52	SM 4500NO3H-2011	X	REH	B3E0227
Nitrite as N	ND	0.050	mg/L	5.00	05/02/13 11:53	SM 4500NO2B-2011	X	REH	B3E0051
Sulfate	**1560**	500	mg/L	500	05/16/13 05:33	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**10900**	250	mg/L	10.0	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**39.9**	20.0	mg/L	20.0	05/07/13 09:34	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:48	EPA 245.1		MER	B3E0274
Arsenic	**0.170**	0.050	mg/L	10.0	06/19/13 15:20	EPA 200.8		MER	B3E0084
Barium	**0.038**	0.010	mg/L	1.00	05/03/13 13:20	EPA 200.7		MER	B3E0056
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 14:56	EPA 200.8		MER	B3E0084
Calcium	**59**	5.0	mg/L	50.0	05/03/13 16:16	EPA 200.7		MER	B3E0056
Chromium	**0.020**	0.020	mg/L	10.0	06/19/13 15:20	EPA 200.8		MER	B3E0084
Copper	ND	0.050	mg/L	10.0	06/19/13 15:20	EPA 200.8	X	MER	B3E0084
Iron	**0.15**	0.050	mg/L	1.00	05/03/13 13:20	EPA 200.7		MER	B3E0056
Lead	ND	0.005	mg/L	1.00	06/19/13 14:56	EPA 200.8		MER	B3E0084
Magnesium	**98**	5.0	mg/L	50.0	05/03/13 16:16	EPA 200.7		MER	B3E0056
Manganese	**0.67**	0.050	mg/L	10.0	06/19/13 15:20	EPA 200.8		MER	B3E0084
Nickel	ND	0.050	mg/L	10.0	06/19/13 15:20	EPA 200.8	X	MER	B3E0084
Potassium	**210**	25	mg/L	50.0	05/03/13 16:16	EPA 200.7		MER	B3E0056
Selenium	ND	0.050	mg/L	10.0	06/19/13 15:20	EPA 200.8	X	MER	B3E0084
Silver	ND	0.002	mg/L	1.00	06/19/13 14:56	EPA 200.8		MER	B3E0084
Sodium	**2800**	1200	mg/L	2,500	05/03/13 13:15	EPA 200.7		MER	B3E0056
Zinc	ND	0.020	mg/L	1.00	05/03/13 13:20	EPA 200.7		MER	B3E0056

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Subcontracted Analyses

Sample Number 3050060-10
Sample Description Pigeon R Down collected on 05/01/13 11:25

Parameter

Subcontract TOH

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

Sample Number 3050060-12
Sample Description BB-Up collected on 05/01/13 11:55

Parameter

Subcontract TOH

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

Sample Number 3050060-14
Sample Description BB-Down collected on 05/01/13 13:10

Parameter

Subcontract TOH

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

Sample Number 3050060-16
Sample Description BB-3 collected on 05/01/13 13:38

Parameter

Subcontract TOH

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

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Number 3050060-18
Sample Description BB-4 collected on 05/01/13 14:10

Parameter

Subcontract TOH

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

Sample Number 3050060-20
Sample Description Pigeon River Up collected on 05/01/13 14:25

Parameter

Subcontract TOH

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

Sample Number 3050060-22
Sample Description Underflow Drain collected on 05/01/13 14:45

Parameter

Subcontract TOH

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

Sample Number 3050060-26
Sample Description Landfill Leachate collected on 05/01/13 15:05

Parameter

Subcontract TOH

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

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3D0957 - General Prep - Wet Chem										
Blank (B3D0957-BLK1)										
COD	ND	20.0	mg/L							
LCS (B3D0957-BS1)										
COD	725	20.0	mg/L	700		104	90-110			
LCS (B3D0957-BS2)										
COD	419	20.0	mg/L	400		105	90-110			
Duplicate (B3D0957-DUP1)	**Source: 3050031-01**									
COD	112	20.0	mg/L		107			4	20	
Duplicate (B3D0957-DUP2)	**Source: 3050036-04**									
COD	139	20.0	mg/L		142			2	20	
Matrix Spike (B3D0957-MS1)	**Source: 3050031-01**									
COD	527	20.0	mg/L	400	107	105	90-110			
Matrix Spike (B3D0957-MS2)	**Source: 3050036-04**									
COD	558	20.0	mg/L	400	142	104	90-110			
Batch B3E0051 - General Prep - Wet Chem										
Blank (B3E0051-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0051-BS1)										
Nitrite as N	0.517	0.010	mg/L	0.500		103	85-115			
Matrix Spike (B3E0051-MS1)	**Source: 3050060-21**									
Nitrite as N	0.266	0.010	mg/L	0.250	ND	106	80-120			
Matrix Spike Dup (B3E0051-MSD1)	**Source: 3050060-21**									
Nitrite as N	0.264	0.010	mg/L	0.250	ND	106	80-120	0.7	20	

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0082 - General Prep - BOD										
Blank (B3E0082-BLK1)										
BOD, 5 Day	ND	2.0	mg/L							
LCS (B3E0082-BS1)										
BOD, 5 Day	210	2.0	mg/L	198		106	85-115			
Duplicate (B3E0082-DUP1)	**Source: 3050046-03**									
BOD, 5 Day	132	2.0	mg/L		141			7	30	
Batch B3E0115 - General Prep - TOC										
Blank (B3E0115-BLK1)										
Total Organic Carbon	ND	0.20	mg/L							
LCS (B3E0115-BS1)										
Total Organic Carbon	4.04		mg/L	4.00		101	85-115			
Matrix Spike (B3E0115-MS1)	**Source: 3050057-09**									
Total Organic Carbon	4.65		mg/L	3.75	1.12	94	80-120			
Matrix Spike (B3E0115-MS2)	**Source: 3050103-15**									
Total Organic Carbon	3.72		mg/L	3.75	ND	96	80-120			
Matrix Spike Dup (B3E0115-MSD1)	**Source: 3050057-09**									
Total Organic Carbon	4.62		mg/L	3.75	1.12	93	80-120	0.7	15	
Matrix Spike Dup (B3E0115-MSD2)	**Source: 3050103-15**									
Total Organic Carbon	3.70		mg/L	3.75	ND	96	80-120	0.5	15	
Batch B3E0139 - General Prep - Solids										
Blank (B3E0139-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0139 - General Prep - Solids										
LCS (B3E0139-BS1)										
Total Dissolved Solids	2020	25.0	mg/L	2020		100	80-120			
Duplicate (B3E0139-DUP1)	**Source: 3050104-14**									
Total Dissolved Solids	2330	250	mg/L		2810			19	15	P
Batch B3E0145 - General Prep - IC										
Blank (B3E0145-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0145-BS1)										
Chloride	4.74	1.00	mg/L	5.00		95	90-110			
Duplicate (B3E0145-DUP1)	**Source: 3050045-06RE1**									
Chloride	178	50.0	mg/L		176			2	20	
Duplicate (B3E0145-DUP2)	**Source: 3050060-19RE1**									
Chloride	ND	25.0	mg/L		ND				20	
Duplicate (B3E0145-DUP3)	**Source: 3050103-35**									
Chloride	29.3	10.0	mg/L		30.2			3	20	
Matrix Spike (B3E0145-MS1)	**Source: 3050045-06RE1**									
Chloride	330	50.0	mg/L	150	176	103	90-110			
Matrix Spike (B3E0145-MS2)	**Source: 3050060-19RE1**									
Chloride	76.4	25.0	mg/L	75.0	ND	77	90-110			S1
Matrix Spike (B3E0145-MS3)	**Source: 3050103-35**									
Chloride	58.4	10.0	mg/L	30.0	30.2	94	90-110			
Batch B3E0146 - General Prep - IC										
Blank (B3E0146-BLK1)										
Fluoride	ND	0.10	mg/L							

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0146 - General Prep - IC										
LCS (B3E0146-BS1)										
Fluoride	0.49	0.10	mg/L	0.500		97	90-110			
Duplicate (B3E0146-DUP1)	**Source: 3050103-19**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B3E0146-DUP2)	**Source: 3050103-40**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B3E0146-MS1)	**Source: 3050103-19**									
Fluoride	0.24	0.10	mg/L	0.300	ND	71	90-110			S1
Matrix Spike (B3E0146-MS2)	**Source: 3050103-40**									
Fluoride	0.31	0.10	mg/L	0.300	ND	92	90-110			
Batch B3E0168 - General Prep - Phenol										
Blank (B3E0168-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Blank (B3E0168-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B3E0168-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
LCS (B3E0168-BS2)										
Total Recoverable Phenols	0.039	0.005	mg/L	0.0400		98	90-110			
Duplicate (B3E0168-DUP1)	**Source: 3050060-09**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0168-DUP2)	**Source: 3050060-15**									
Total Recoverable Phenols	ND	0.005	mg/L		0.005				20	P3

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0168 - General Prep - Phenol										
Duplicate (B3E0168-DUP3)	**Source: 3050103-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0168-MS1)	**Source: 3050060-09**									
Total Recoverable Phenols	0.035	0.005	mg/L	0.0400	ND	83	75-125			
Matrix Spike (B3E0168-MS2)	**Source: 3050060-15**									
Total Recoverable Phenols	0.033	0.005	mg/L	0.0400	0.005	71	75-125			S1
Matrix Spike (B3E0168-MS3)	**Source: 3050103-15**									
Total Recoverable Phenols	0.038	0.005	mg/L	0.0400	ND	90	75-125			
Batch B3E0227 - General Prep - Wet Chem KL										
Blank (B3E0227-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0227-BS1)										
Nitrate-Nitrite as N	2.10	0.10	mg/L	2.00		105	85-115			
Matrix Spike (B3E0227-MS1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.17	0.10	mg/L	1.25	ND	91	75-125			
Matrix Spike Dup (B3E0227-MSD1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.15	0.10	mg/L	1.25	ND	89	75-125	2	20	
Batch B3E0282 - General Prep - IC										
Blank (B3E0282-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0282-BS1)										
Fluoride	0.49	0.10	mg/L	0.500		98	90-110			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0282 - General Prep - IC										
Duplicate (B3E0282-DUP1)	**Source: 3040772-05**									
Fluoride	5.87	1.00	mg/L		5.82			0.9	20	
Matrix Spike (B3E0282-MS1)	**Source: 3040772-05**									
Fluoride	8.44	1.00	mg/L	3.00	5.82	87	90-110			S1
Batch B3E0437 - General Prep - IC										
Blank (B3E0437-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0437-BS1)										
Chloride	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0437-DUP1)	**Source: 3050060-09**									
Chloride	7.80	5.00	mg/L		7.90			1	20	
Duplicate (B3E0437-DUP2)	**Source: 3050198-05RE1**									
Chloride	ND	500	mg/L		ND				20	
Matrix Spike (B3E0437-MS1)	**Source: 3050060-09**									
Chloride	21.0	5.00	mg/L	15.0	7.90	88	90-110			S1
Matrix Spike (B3E0437-MS2)	**Source: 3050198-05RE1**									
Chloride	1420	500	mg/L	1500	ND	76	90-110			S1
Batch B3E0559 - General Prep - IC										
Blank (B3E0559-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0559-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0559 - General Prep - IC										
Duplicate (B3E0559-DUP1)	**Source: 3050057-07**									
Sulfate	8.54	1.00	mg/L		8.52			0.2	20	
Duplicate (B3E0559-DUP2)	**Source: 3050060-21**									
Sulfate	3.42	1.00	mg/L		3.42			0.09	20	
Matrix Spike (B3E0559-MS1)	**Source: 3050057-07**									
Sulfate	11.9	1.00	mg/L	3.00	8.52	112	90-110			S3
Matrix Spike (B3E0559-MS2)	**Source: 3050060-21**									
Sulfate	6.49	1.00	mg/L	3.00	3.42	102	90-110			
Batch B3E0660 - General Prep - IC										
Blank (B3E0660-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0660-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			
Duplicate (B3E0660-DUP1)	**Source: 3050439-01RE1**									
Sulfate	74.3	20.0	mg/L		76.6			3	20	
Duplicate (B3E0660-DUP2)	**Source: 3050489-01**									
Sulfate	78.1	20.0	mg/L		79.7			2	20	
Matrix Spike (B3E0660-MS1)	**Source: 3050439-01RE1**									
Sulfate	133	20.0	mg/L	60.0	76.6	94	90-110			
Matrix Spike (B3E0660-MS2)	**Source: 3050489-01**									
Sulfate	136	20.0	mg/L	60.0	79.7	94	90-110			
Batch B3E0704 - General Prep - Phos										
Blank (B3E0704-BLK1)										
Total Phosphorus as P	ND	0.010	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0704 - General Prep - Phos										
LCS (B3E0704-BS1)										
Total Phosphorus as P	0.25	0.010	mg/L	0.250		100	85-115			
Matrix Spike (B3E0704-MS1)	**Source: 3050163-02**									
Total Phosphorus as P	2.3	0.10	mg/L	2.00	0.32	99	80-120			
Matrix Spike Dup (B3E0704-MSD1)	**Source: 3050163-02**									
Total Phosphorus as P	2.3	0.10	mg/L	2.00	0.32	99	80-120	0	20	

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0056 - SM 3030C - ICP										
Blank (B3E0056-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0056-BS1)										
Barium	0.98	0.010	mg/L	1.00		98	85-115			
Calcium	0.98	0.10	mg/L	1.00		98	85-115			
Iron	0.99	0.050	mg/L	1.00		99	85-115			
Magnesium	0.98	0.10	mg/L	1.00		98	85-115			
Potassium	10	0.50	mg/L	10.0		100	85-115			
Sodium	0.99	0.50	mg/L	1.00		99	85-115			
Zinc	0.97	0.020	mg/L	1.00		97	85-115			
Duplicate (B3E0056-DUP1)	**Source: 3050057-12**									
Barium	0.047	0.010	mg/L		0.048			0.7	20	
Calcium	4.5	0.20	mg/L		4.5			0.3	20	
Iron	0.51	0.050	mg/L		0.51			0.5	20	
Magnesium	1.7	0.10	mg/L		1.7			0.5	20	
Potassium	1.6	0.50	mg/L		1.6			0.07	20	
Sodium	2.9	0.50	mg/L		2.9			0.2	20	
Zinc	ND	0.020	mg/L		ND				20	P3
Matrix Spike (B3E0056-MS1)	**Source: 3050057-12**									
Barium	1.0	0.010	mg/L	1.00	0.048	98	70-130			
Calcium	5.5	0.20	mg/L	1.00	4.5	99	70-130			
Iron	1.5	0.050	mg/L	1.00	0.51	101	70-130			
Magnesium	2.6	0.10	mg/L	1.00	1.7	98	70-130			
Potassium	12	0.50	mg/L	10.0	1.6	100	70-130			
Sodium	3.9	0.50	mg/L	1.00	2.9	91	70-130			
Zinc	0.97	0.020	mg/L	1.00	ND	97	70-130			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0056 - SM 3030C - ICP										
Post Spike (B3E0056-PS1)	**Source: 3050057-12**									
Barium	1.0		mg/L	1.00	0.048	100	85-115			
Iron	1.5		mg/L	1.00	0.51	101	85-115			
Magnesium	2.7		mg/L	1.00	1.7	100	85-115			
Potassium	12		mg/L	10.0	1.6	103	85-115			
Sodium	3.9		mg/L	1.00	2.9	97	85-115			
Zinc	0.99		mg/L	1.00	ND	99	85-115			
Post Spike (B3E0056-PS2)	**Source: 3050057-12**									
Calcium	6.6	0.20	mg/L	2.00	4.5	102	85-115			
Batch B3E0084 - EPA 200.8 Mod										
Blank (B3E0084-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0084-BS1)										
Arsenic	0.020	0.005	mg/L	0.0200		100	85-115			
Cadmium	0.020	0.0010	mg/L	0.0200		100	85-115			
Chromium	0.020	0.002	mg/L	0.0200		100	85-115			
Copper	0.019	0.005	mg/L	0.0200		97	85-115			
Lead	0.020	0.005	mg/L	0.0200		99	85-115			
Manganese	0.020	0.005	mg/L	0.0200		100	85-115			
Nickel	0.020	0.005	mg/L	0.0200		100	85-115			
Selenium	0.021	0.005	mg/L	0.0200		103	85-115			
Silver	0.020	0.002	mg/L	0.0200		99	85-115			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0084 - EPA 200.8 Mod										
Matrix Spike (B3E0084-MS1)	**Source: 3050060-21**									
Arsenic	0.017	0.005	mg/L	0.0200	ND	86	70-130			
Cadmium	0.018	0.0001	mg/L	0.0200	ND	92	70-130			
Chromium	0.026	0.005	mg/L	0.0200	ND	121	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Lead	0.018	0.002	mg/L	0.0200	ND	91	70-130			
Manganese	0.019	0.005	mg/L	0.0200	ND	78	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130			
Selenium	0.018	0.005	mg/L	0.0200	ND	82	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	95	70-130			
Matrix Spike Dup (B3E0084-MSD1)	**Source: 3050060-21**									
Arsenic	0.018	0.005	mg/L	0.0200	ND	90	70-130	4	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	93	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	109	70-130	10	20	
Copper	0.019	0.005	mg/L	0.0200	ND	93	70-130	0.9	20	
Lead	0.018	0.005	mg/L	0.0200	ND	92	70-130	1.26	20	
Manganese	0.019	0.005	mg/L	0.0200	ND	80	70-130	2	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130	0.7	20	
Selenium	0.018	0.005	mg/L	0.0200	ND	84	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130	0.6	20	
Post Spike (B3E0084-PS1)	**Source: 3050060-21**									
Arsenic	0.023		mg/L	0.0250	ND	90	75-125			
Cadmium	0.023		mg/L	0.0250	ND	92	75-125			
Chromium	0.026		mg/L	0.0250	ND	98	75-125			
Copper	0.024		mg/L	0.0250	ND	91	75-125			
Lead	0.023		mg/L	0.0250	ND	91	75-125			
Manganese	0.023		mg/L	0.0250	ND	79	75-125			
Nickel	0.025		mg/L	0.0250	ND	93	75-125			
Selenium	0.022		mg/L	0.0250	ND	85	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Batch B3E0274 - EPA 245.1										
Blank (B3E0274-BLK1)										
Mercury	ND	0.00020	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0274 - EPA 245.1										
LCS (B3E0274-BS1)										
Mercury	0.0053	0.00020	mg/L	0.00500		107	85-115			
Duplicate (B3E0274-DUP1)	**Source: 3050057-06**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0274-DUP2)	**Source: 3050060-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0274-MS1)	**Source: 3050057-06**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0274-MS2)	**Source: 3050060-21**									
Mercury	0.0047	0.00020	mg/L	0.00500	ND	93	70-130			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0084	3050060-09	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-11	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-13	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-15	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-17	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-19	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-21	05/02/2013 15:50	DER
EPA 200.8 Mod	B3E0084	3050060-25	05/02/2013 15:50	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0274	3050060-09	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-11	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-13	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-15	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-17	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-19	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-21	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050060-25	05/07/2013 09:32	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0056	3050060-09	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-11	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-13	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-15	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-17	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-19	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-21	05/02/2013 11:21	MER
SM 3030C - ICP	B3E0056	3050060-25	05/02/2013 11:21	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050060
Canton, NC 28716		Reported:	07/02/13 14:26

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P	The RPD between the sample / duplicate or matrix spike / spike duplicate was not within control limits.
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.

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3050060

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: Evergreen Packaging

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

							N	N	N	N	N	N	N	Filtered (Yes/No)
							Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
							P	P	P	G	P	G	P	Container Type (P/G)
							500	250	1/2	1L	250	250	250	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: KRU
							12	12	NA	12	12	/	12	Lab Receipt pH Check: 5.2.13
							B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS		Total Metals ☆	Hg	Chloride, Fluoride, TDS, NO_2, SO_4	Phenols	TOC	TOX ⊛	NO_3	COMMENTS:
-9	5-1	1125	Pigeon River Down	8			1	1	1	2	1	1-10	1	☆ As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn,
-11		1155	BB- Up	7			1	1	1	1	1	1-12	1	K, Se, Ag, Na, Zn, Ni
-13		1310	BB- Down	7			1	1	1	1	1	1-14	1	
-15		1338	BB- 3	8			1	1	1	2	1	1-16	1	Field Data Collected
-17		1410	BB- 4	7			1	1	1	1	1	1-18	1	-01 through -08
-19		1425	Pigeon River Up	7			1	1	1	1	1	1-20	1	
-21		1445	Under Flow Drain	7			1	1	1	1	1	1-22	1	⊛ Subcontracted

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	5-1-13 / 1715	② [signature]	5/1/13 / 1715
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ / Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ / Shipper Name & #	Date/Time
Seal # at'chd by ○ Recvd. Intact by ○		Seal # at'chd by ○ Recvd. Intact by ○	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Form Revised July 2008

R/C COC FORM

30500060

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: Evergreen Packaging

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	BOD	COD	COD/phosphate					
-23	5-1	1445	Underflow Drain	2	1	1						
-24		1505	Landfill Leachate	2	1		1					

PARAMETERS	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	1L	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	NA	NA	NA					
Lab Receipt pH Check 5.2.13	NA	12	12					
Preserved (Code)	A	C	C					

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

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①	5-1-13 1715	② Shipper Name & #	5/1/13 1715
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Form Revised July 2008

R/C COC FORM

30500060

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: Evergreen Packaging
Address: Canton, NC
Report To:
Telephone No.: FAX No.:
PO No.: Project No. 04-159

Filtered (Yes/No)	N	N	N	N	N	N	N		
Cooled (Yes/No)	Y	Y	Y	Y	Y	Y	Y		
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500	250	1/2	1L	250	250	250		
Sample Type (Grab/Composite)	G	G	G	G	G	G	G		
Sample Source (WW, GW, DW, Other)	GW	GW	GW	GW	GW	GW	GW		
Sample Source Chlorinated (Yes/No)	N	N	N	N	N	N	N		
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA	/	NA	VRV	
Lab Receipt pH Check	12	12	NA	12	12	/	12	5.2.13	
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Total Metals*	Hg	Chloride, Fluoride, TDS, NO_3, SO_4	Phenols	TOC	TOX ⊗	NO_3		
Total Number of Containers	1	1	1	1	1	1	1		

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

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	COMMENTS
-25	5-1	1505	Landfill Leachate	7	* As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, K, Se, Ag, Na, Zn, Ni
					1/20
					Field Data Collected
					⊗ Subcontracted

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
①	5-1-13 1715	②	5/1/13 1715
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ / Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ / Shipper Name & #	Date/Time
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: Pegeen River Down

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy / 61 °F Page 1 of 10

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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	Total Gallons 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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*) JHF 5-1-13	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1125	-	NA	NA	NA	7.60	15.2	169.78	NA	NA	~~NA~~ 1	5.21	
		1											
		2											
		3											
		4											
		5					5-1-13						
		6											
		7											

** 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: 1125

Comments: _____

Revised 1-1

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: BB - UP

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy, 61 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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	Total Gallons 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 Tag?	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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1155	-	NA	NA	NA	7.76	14.9	55.17	NA	NA	1	19.8	
		1											
		2											
		3											
		4											
		5											
		6											
		7											

5-1-13

** 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: 1155

Comments: _____

Revised 1-1

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: BB - Down

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy 161 °F Page 3 of 10

Method of Well Evacuation or Sample Collection

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

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

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

Water Volume Calculations

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

# of Casings	Gallons to be Removed	Total Gallons 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 Tag? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

N/A

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level (feet)	Water Volume Removed (gal) or (ml)	pH (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1310	-	NA	NA	NA	7.37	16.6	62.18	NA	NA	1	21.1	
		1											
		2											
		3											
		4											
		5					5-1-13						
		6											
		7											

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

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

Sample Collection Time: 1310

Comments: _____

Revised 1-'

JHF 7-2-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: ~~Evergreen Packaging~~ BB-3

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: BB-3 Evergreen Packaging Weather Conditions/~Temp: Partly Cloudy, 65 °F

Method of Well Evacuation or Sample Collection JHF 7-2-13

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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	Total Gallons 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 NA
Well Pad Condition?	Okay /
Well Tag?	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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1338	-	NA	NA	NA	7.61	16.6	72.30	NA	NA	1	20.9	
		1											
		2											
		3											
		4											
		5											
		6											
		7											

5-1-13

* 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: 1338

Comments: _____

Revised 1-'

FIELD DATA LOG FOR GROUNDWATER SAMPLING

JHF 7-2-13

Well Identification or Number: ~~Evergreen~~ BB-4

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: ~~BB-4~~ Evergreen JHF 7-2-13

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Weather Conditions/~Temp: Partly Cloudy 165 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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	Total Gallons 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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1410	-	NA	NA	NA	7.76	16.7	74.79	NA	NA	1	19.2	
		1											
		2											
		3											
		4											
		5											
		6											
		7											

5-1-13

** 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: 1410

Comments:

Revised 1-

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: Pigeon River Up

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Partly Cloudy / 65 °F Page 6 of 10

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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	Total Gallons 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 Tag?	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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1425	-	NA	NA	NA	7.63	16.0	135.78	NA	NA	1	5.51	
		1											
		2											
		3											
		4											
		5											
		6											
		7											

5-1-13

** 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: 1425

Comments: _____

Revised 1-

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: Underflow Drain

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy, 64 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): NA
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Total Gallons 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 / NA
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1445	-	NA	NA	NA	7.85	21.1	88.02	NA	NA	1	<5.0	
		1											
		2											
		3											
		4											
		5											
		6											
		7											

5-1-13

** 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: 1445

Comments: _____

Revised 1-7

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: Landfill Leachate

Date: 5-1-13 Field Personnel: JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy / 70 °F Page 8 of 10

Method of Well Evacuation or Sample Collection

Pump
☐ Grundfos
☐ Submersible
☐ Peristaltic
☐ Bladder
☐ Waterra
☐ Continuous (Recovery Well)
☒ Grab Sample

Bailer
☐ Non Disposable Teflon
☐ Disposable Teflon
☐ Disposable Poly
☐ Dedicated Teflon

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	Total Gallons 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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5-1-13	1505	-	NA	NA	NA	7.98	22.2	15640	NA	NA	JHF 5-1-13 3	67.0	Rotten Egg smell
		1											
		2											
		3											
		4											
		5											
		6											
		7											

JHF 5-1-13

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

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

Sample Collection Time: 1505

Comments: _____

Revised 1-1

Rogers and Callcott Environmental

Field Meter Calibration Record

Client: ~~BRPC~~ Evergreen Packaging CGW 5/1/13 Date: 5/01/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion Star A325 SN: 601769 Probe: QP1-12000

Time: 0828 Analyst: CGW Cell Constant 0.484

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.50	21.2
P301864	99.9		100.6	21.2
P301861	998		1006	21.2
P301087	SSS conc:	447	450.3	21.2

Temperature compensation for pH / conductivity meter : 0.0

pH Calibration - EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time: 0826 Analyst: CGW Slope: 98.9

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.04
P204625	7.0		7.03
P204626	10.0		10.06
P204624	SSS conc:	4.0	4.0

Turbidity Meter Calibration - Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/01/13

Time: 0830 Analyst: CGW

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
P301993	(0-10) 4.44	4.69
P301994	(0-100) 50.2	47.3
P301995	(0-1000) 429	432

Reviewed by: _____ Date: _____

~~4 of 4~~ CRW 5/3/13

Rogers and Callcott Environmental

Continuing Calibration Verification

Client: ~~BRPC~~ Evergreen Packaging CRW 5/01/13 Date: 5/01/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion Star A325 SN: 801769 Probe: QP1-12000

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1256	CRW	99.9	101.82 @ 21.4 °C
2011	CRW	998	1001 @ 20.5 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1255	CRW	7.0	7.03
2010	CRW	4.0	4.01

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1255	CRW	(0-100) 50.2	47.6
2010	CRW	(0-10) 4.44	4.51

Field Duplicate

Well ID: MW-13

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1719 ~~1519~~ CRW 5/1/13	CRW	1683	7.09	5.96	14.2

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

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN PACKAGING Date Received: 5.1.13 Work Order: 3050060

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

Tracking Number: _____

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

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

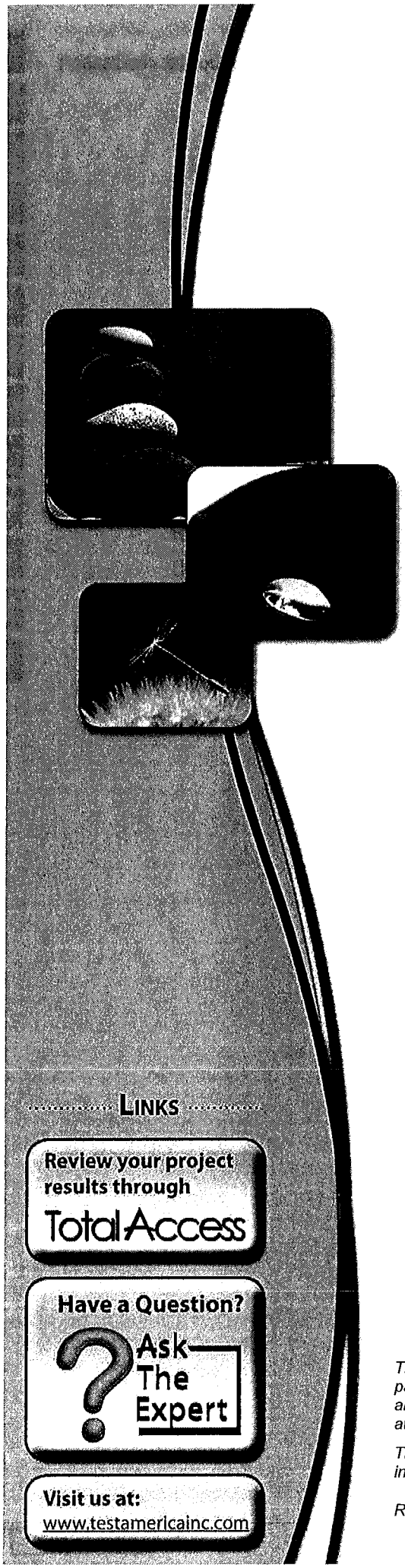
Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue:

Revised November 2012

Completed by: KRU



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26357-1
Client Project/Site: 3050060

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:33:10 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26357-1	3050060-10 Pigeon River Down	Water	05/01/13 11:25	05/09/13 08:30
490-26357-2	3050060-12 BB-UP	Water	05/01/13 11:55	05/09/13 08:30
490-26357-3	3050060-14 BB-Down	Water	05/01/13 13:10	05/09/13 08:30
490-26357-4	3050060-16 BB-3	Water	05/01/13 13:38	05/09/13 08:30
490-26357-5	3050060-18 BB-4	Water	05/01/13 14:10	05/09/13 08:30
490-26357-6	3050060-20 Pigeon River Up	Water	05/01/13 14:25	05/09/13 08:30
490-26357-7	3050060-22 Under Flow Drain	Water	05/01/13 14:45	05/09/13 08:30
490-26357-8	3050060-26 Landfill Leachate	Water	05/01/13 15:05	05/09/13 08:30

Job ID: 490-26357-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26357-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

Except:

The following sample(s) were collected in properly preserved vials, however, the pH was outside the required criteria when verified by the laboratory: 3050060-26 Landfill Leachate (490-26357-8).

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 79927.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-10 Pigeon River Down

Lab Sample ID: 490-26357-1

Date Collected: 05/01/13 11:25

Matrix: Water

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0329		0.0300		mg/L			05/14/13 08:59	1

TestAmerica Nashville

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-12 BB-UP
Date Collected: 05/01/13 11:55
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26357-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-14 BB-Down

Lab Sample ID: 490-26357-3

Date Collected: 05/01/13 13:10

Matrix: Water

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-16 BB-3

Lab Sample ID: 490-26357-4

Date Collected: 05/01/13 13:38

Matrix: Water

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-18 BB-4
Date Collected: 05/01/13 14:10
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26357-5
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-20 Pigeon River Up

Lab Sample ID: 490-26357-6

Date Collected: 05/01/13 14:25

Matrix: Water

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-22 Under Flow Drain **Lab Sample ID: 490-26357-7**

Date Collected: 05/01/13 14:45 **Matrix: Water**

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

TestAmerica Nashville

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-26 Landfill Leachate

Lab Sample ID: 490-26357-8

Date Collected: 05/01/13 15:05

Matrix: Water

Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.129		0.0300		mg/L			05/14/13 08:59	1

TestAmerica Nashville

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-79927/5
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Lab Sample ID: LCS 490-79927/4
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2334		mg/L		93	90 - 110

TestAmerica Nashville

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

General Chemistry

Analysis Batch: 79927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26357-1	3050060-10 Pigeon River Down	Total/NA	Water	9020B	
490-26357-2	3050060-12 BB-UP	Total/NA	Water	9020B	
490-26357-3	3050060-14 BB-Down	Total/NA	Water	9020B	
490-26357-4	3050060-16 BB-3	Total/NA	Water	9020B	
490-26357-5	3050060-18 BB-4	Total/NA	Water	9020B	
490-26357-6	3050060-20 Pigeon River Up	Total/NA	Water	9020B	
490-26357-7	3050060-22 Under Flow Drain	Total/NA	Water	9020B	
490-26357-8	3050060-26 Landfill Leachate	Total/NA	Water	9020B	
LCS 490-79927/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-79927/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-10 Pigeon River Down

Lab Sample ID: 490-26357-1
Matrix: Water

Date Collected: 05/01/13 11:25
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-12 BB-UP

Lab Sample ID: 490-26357-2
Matrix: Water

Date Collected: 05/01/13 11:55
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-14 BB-Down

Lab Sample ID: 490-26357-3
Matrix: Water

Date Collected: 05/01/13 13:10
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-16 BB-3

Lab Sample ID: 490-26357-4
Matrix: Water

Date Collected: 05/01/13 13:38
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-18 BB-4

Lab Sample ID: 490-26357-5
Matrix: Water

Date Collected: 05/01/13 14:10
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-20 Pigeon River Up

Lab Sample ID: 490-26357-6
Matrix: Water

Date Collected: 05/01/13 14:25
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Client Sample ID: 3050060-22 Under Flow Drain

Lab Sample ID: 490-26357-7

Date Collected: 05/01/13 14:45
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050060-26 Landfill Leachate

Lab Sample ID: 490-26357-8

Date Collected: 05/01/13 15:05
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050060

TestAmerica Job ID: 490-26357-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-26357 Chain of Custody

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8391 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 15 *Degrees Celsius*

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

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

   If yes, how many and where: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA 5/09/13

   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 NCM generated? YES...NO...# 54037

30500606 26
pH-7

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

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

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Loc: 490
26357

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TDX							COMMENTS:
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 Cl2 Check												
Lab Receipt pH Check												
Preserved (Code)					B							
305	0060-10	5.1	1125	PIGEON RIVER DOWN	1		1			01		SUB TO TEST AMERICA
	-12		1155	BB-UP	1		1			2		
	-14		1310	BB-DOWN	1		1			3		NC SAMPLES
	-16		1338	BB-3	1		1			4		
	-18		1410	BB-4	1		1			5		
	-20		1425	PIGEON RIVER UP	1		1			6		
	-22		1445	UNDER FLOW DRAIN	1		1			7		
	-26		1505	LANDFILL LEACHATE	1		1			8		

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	Date/Time 5.8.13 1000	Received by (Sig.) ② TAN Shipper Name & #	Date/Time 05/09/13 0830
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Seal # ____ at'chd by ____ Recvd. intact by ____ Seal # ____ at'chd by ____ Recvd. intact by ____

Form Revised July 2008

R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26357-1

Login Number: 26357
List Number: 1
Creator: Gambill, Shane

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Refer to Job Narrative for details.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050103 05/03/2013 07:30

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 03, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050103
Received: 05/03/2013 07:30

Sample Number	Sample Description	Matrix	Sampled	Type
3050103-01	MW-17	Ground Water	05/01/13 16:23	Grab
3050103-02	MW-17	Ground Water	05/01/13 17:22	Grab
3050103-03	MW-16D	Ground Water	05/01/13 16:04	Grab
3050103-04	MW-16D	Ground Water	05/01/13 18:07	Grab
3050103-05	MW-16S	Ground Water	05/01/13 18:18	Grab
3050103-06	MW-16S	Ground Water	05/02/13 08:22	Grab
3050103-07	MW-18	Ground Water	05/02/13 09:30	Grab
3050103-08	MW-18	Ground Water	05/02/13 11:53	Grab
3050103-09	MW-20	Ground Water	05/02/13 10:10	Grab
3050103-10	MW-20	Ground Water	05/02/13 11:05	Grab
3050103-11	MW-5A	Ground Water	05/02/13 14:49	Grab
3050103-12	MW-5A	Ground Water	05/02/13 16:21	Grab
3050103-13	MW-7A	Ground Water	05/02/13 15:31	Grab
3050103-14	MW-7A	Ground Water	05/02/13 16:08	Grab
3050103-15	MW-17	Ground Water	05/01/13 17:24	Grab
3050103-16	MW-17	Ground Water	05/01/13 17:24	Grab
3050103-17	MW-16D	Ground Water	05/01/13 18:09	Grab
3050103-18	MW-16D	Ground Water	05/01/13 18:12	Grab
3050103-19	MW-16D	Ground Water	05/01/13 18:15	Grab
3050103-20	MW-16D	Ground Water	05/01/13 18:26	Grab
3050103-21	MW-16D	Ground Water	05/01/13 18:33	Grab
3050103-22	MW-16D	Ground Water	05/01/13 18:36	Grab
3050103-23	MW-16D	Ground Water	05/01/13 18:38	Grab
3050103-24	MW-16S	Ground Water	05/02/13 08:24	Grab
3050103-25	MW-16S	Ground Water	05/02/13 08:27	Grab
3050103-26	MW-16S	Ground Water	05/02/13 08:30	Grab
3050103-27	MW-16S	Ground Water	05/02/13 08:43	Grab

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number	Sample Description	Matrix	Sampled	Type
3050103-28	MW-16S	Ground Water	05/02/13 08:52	Grab
3050103-29	MW-16S	Ground Water	05/02/13 08:54	Grab
3050103-30	MW-16S	Ground Water	05/02/13 08:56	Grab
3050103-31	MW-20	Ground Water	05/02/13 11:08	Grab
3050103-32	MW-20	Ground Water	05/02/13 11:08	Grab
3050103-33	MW-18	Ground Water	05/02/13 11:55	Grab
3050103-34	MW-18	Ground Water	05/02/13 12:01	Grab
3050103-35	MW-18	Ground Water	05/02/13 12:05	Grab
3050103-36	MW-18	Ground Water	05/02/13 12:20	Grab
3050103-37	MW-18	Ground Water	05/02/13 12:29	Grab
3050103-38	MW-18	Ground Water	05/02/13 12:31	Grab
3050103-39	MW-18	Ground Water	05/02/13 12:35	Grab
3050103-40	MW-7A	Ground Water	05/02/13 16:10	Grab
3050103-41	MW-7A	Ground Water	05/02/13 16:10	Grab
3050103-42	MW-5A	Ground Water	05/02/13 16:22	Grab
3050103-43	MW-5A	Ground Water	05/02/13 16:22	Grab

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Case Narrative

Total Dissolved Solids for MW-17 (3050103-15) and MW-16D (3050103-19) were analyzed within holding time but did not meet quality control standards. The samples were re-analyzed and reported out of holding time.

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Data

Sample Number 3050103-01
Sample Description MW-17 collected on 05/01/13 16:23

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**40.32**	0.00	Ft	1.00	05/01/13 16:23	-		RJC	B3E0094

Sample Number 3050103-02
Sample Description MW-17 collected on 05/01/13 17:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.0**	0.1	pH Units	1.00	05/01/13 17:22	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**45.8**	10.0	umhos/cm	1.00	05/01/13 17:22	EPA 9050A		RJC	B3E0094
Temperature	**14.6**	0.0	°C	1.00	05/01/13 17:22	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	ND	5.0	NTU	1.00	05/01/13 17:22	Field Screen		RJC	B3E0094

Sample Number 3050103-03
Sample Description MW-16D collected on 05/01/13 16:04

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**62.11**	0.00	Ft	1.00	05/01/13 16:04	-		RJC	B3E0094

Sample Number 3050103-04
Sample Description MW-16D collected on 05/01/13 18:07

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.9**	0.1	pH Units	1.00	05/01/13 18:07	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**1670**	10.0	umhos/cm	1.00	05/01/13 18:07	EPA 9050A		RJC	B3E0094
Temperature	**15.0**	0.0	°C	1.00	05/01/13 18:07	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	ND	5.0	NTU	1.00	05/01/13 18:07	Field Screen		RJC	B3E0094

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-05
Sample Description MW-16S collected on 05/01/13 18:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**56.21**	0.00	Ft	1.00	05/01/13 18:18	-		RJC	B3E0094

Sample Number 3050103-06
Sample Description MW-16S collected on 05/02/13 08:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.7**	0.1	pH Units	1.00	05/02/13 08:22	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**497**	10.0	umhos/cm	1.00	05/02/13 08:22	EPA 9050A		RJC	B3E0094
Temperature	**13.5**	0.0	°C	1.00	05/02/13 08:22	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	**5.4**	5.0	NTU	1.00	05/02/13 08:22	Field Screen		RJC	B3E0094

Sample Number 3050103-07
Sample Description MW-18 collected on 05/02/13 09:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**76.91**	0.00	Ft	1.00	05/02/13 09:30	-		RJC	B3E0094

Sample Number 3050103-08
Sample Description MW-18 collected on 05/02/13 11:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.6**	0.1	pH Units	1.00	05/02/13 11:53	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**1620**	10.0	umhos/cm	1.00	05/02/13 11:53	EPA 9050A		RJC	B3E0094
Temperature	**14.1**	0.0	°C	1.00	05/02/13 11:53	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	ND	5.0	NTU	1.00	05/02/13 11:53	Field Screen		RJC	B3E0094

Sample Number 3050103-09
Sample Description MW-20 collected on 05/02/13 10:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**41.89**	0.00	Ft	1.00	05/02/13 10:10	-		RJC	B3E0094

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-10
Sample Description MW-20 collected on 05/02/13 11:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.5**	0.1	pH Units	1.00	05/02/13 11:05	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**153**	10.0	umhos/cm	1.00	05/02/13 11:05	EPA 9050A		RJC	B3E0094
Temperature	**15.0**	0.0	°C	1.00	05/02/13 11:05	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	ND	5.0	NTU	1.00	05/02/13 11:05	Field Screen		RJC	B3E0094

Sample Number 3050103-11
Sample Description MW-5A collected on 05/02/13 14:49

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**34.76**	0.00	Ft	1.00	05/02/13 14:49	-		RJC	B3E0094

Sample Number 3050103-12
Sample Description MW-5A collected on 05/02/13 16:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.6**	0.1	pH Units	1.00	05/02/13 16:21	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**519**	10.0	umhos/cm	1.00	05/02/13 16:21	EPA 9050A		RJC	B3E0094
Temperature	**17.8**	0.0	°C	1.00	05/02/13 16:21	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	**24.8**	5.0	NTU	1.00	05/02/13 16:21	Field Screen		RJC	B3E0094

Sample Number 3050103-13
Sample Description MW-7A collected on 05/02/13 15:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**8.69**	0.00	Ft	1.00	05/02/13 15:31	-		RJC	B3E0094

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-14
Sample Description MW-7A collected on 05/02/13 16:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.6**	0.1	pH Units	1.00	05/02/13 16:08	EPA 9040C		RJC	B3E0094
Specific Conductance at 25 C	**584**	10.0	umhos/cm	1.00	05/02/13 16:08	EPA 9050A		RJC	B3E0094
Temperature	**13.9**	0.0	°C	1.00	05/02/13 16:08	SM 2550B-2000		RJC	B3E0094
Turbidity (Field)	**6.6**	5.0	NTU	1.00	05/02/13 16:08	Field Screen		RJC	B3E0094

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-15
Sample Description MW-17 collected on 05/01/13 17:24

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.19**	1.00	mg/L	1.00	05/07/13 00:27	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 19:12	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	**0.68**	0.10	mg/L	1.00	05/09/13 15:44	SM 4500NO3H-2011		REH	B3E0227
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:53	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**4.77**	1.00	mg/L	1.00	05/16/13 05:59	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**45.0**	25.0	mg/L	1.00	05/16/13 16:45	SM 2540C-2011	K	LDS	B3E0532
Total Organic Carbon	ND	1.00	mg/L	1.00	05/07/13 10:11	SM 5310C-2011		JLF	B3E0115
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:51	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Barium	**0.021**	0.010	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Calcium	**2.5**	0.10	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Chromium	**0.004**	0.002	mg/L	1.00	06/19/13 16:17	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Iron	ND	0.050	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Magnesium	**1.6**	0.10	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Manganese	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Potassium	**1.5**	0.50	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 16:17	EPA 200.8		MER	B3E0093
Sodium	**2.5**	0.50	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:36	EPA 200.7		MER	B3E0091

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-17
Sample Description MW-16D collected on 05/01/13 18:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Barium	**0.18**	0.010	mg/L	1.00	05/03/13 15:59	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Calcium	**250**	10	mg/L	100	05/03/13 14:51	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Iron	**2.9**	0.050	mg/L	1.00	05/03/13 15:59	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Magnesium	**37**	2.5	mg/L	25.0	05/03/13 15:05	EPA 200.7		MER	B3E0091
Manganese	**4.9**	0.010	mg/L	1.00	05/03/13 15:59	EPA 200.7		MER	B3E0091
Nickel	**0.008**	0.005	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Potassium	**25**	0.50	mg/L	1.00	05/03/13 15:59	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 18:12	EPA 200.8		MER	B3E0093
Sodium	**48**	12	mg/L	25.0	05/03/13 15:05	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:59	EPA 200.7		MER	B3E0091

Sample Number 3050103-18
Sample Description MW-16D collected on 05/01/13 18:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:53	EPA 245.1		MER	B3E0274

Sample Number 3050103-19
Sample Description MW-16D collected on 05/01/13 18:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**90.6**	20.0	mg/L	20.0	05/07/13 00:50	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 19:35	EPA 300.0	S1	DJM	B3E0146
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:55	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**43.1**	10.0	mg/L	10.0	05/16/13 06:24	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**1180**	250	mg/L	10.0	05/13/13 09:00	SM 2540C-2011	K	LDS	B3E0338

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-20
Sample Description MW-16D collected on 05/01/13 18:26

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168

Sample Number 3050103-21
Sample Description MW-16D collected on 05/01/13 18:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	11.4	2.00	mg/L	2.00	05/07/13 11:10	SM 5310C-2011		JLF	B3E0115

Sample Number 3050103-23
Sample Description MW-16D collected on 05/01/13 18:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/09/13 15:36	SM 4500NO3H-2011		REH	B3E0227

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-24
Sample Description MW-16S collected on 05/02/13 08:24

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Barium	**1.0**	0.010	mg/L	1.00	05/03/13 16:01	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Calcium	**150**	5.0	mg/L	50.0	05/03/13 15:03	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Copper	**0.005**	0.005	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Iron	**13**	0.50	mg/L	10.0	05/03/13 15:19	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Magnesium	**71**	5.0	mg/L	50.0	05/03/13 15:03	EPA 200.7		MER	B3E0091
Manganese	**11**	0.10	mg/L	10.0	05/03/13 15:19	EPA 200.7		MER	B3E0091
Nickel	**0.048**	0.005	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Potassium	**15**	0.50	mg/L	1.00	05/03/13 16:01	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 18:15	EPA 200.8		MER	B3E0093
Sodium	**1000**	250	mg/L	500	05/03/13 14:45	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 16:01	EPA 200.7		MER	B3E0091

Sample Number 3050103-25
Sample Description MW-16S collected on 05/02/13 08:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:56	EPA 245.1		MER	B3E0274

Sample Number 3050103-26
Sample Description MW-16S collected on 05/02/13 08:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**222**	25.0	mg/L	25.0	05/07/13 01:14	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 20:44	EPA 300.0		DJM	B3E0146
Nitrite as N	ND	0.050	mg/L	5.00	05/03/13 13:02	SM 4500NO2B-2011	X	REH	B3E0096
Sulfate	**29.9**	5.00	mg/L	5.00	05/16/13 06:49	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**3460**	250	mg/L	10.0	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219

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Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-27
Sample Description MW-16S collected on 05/02/13 08:43

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168

Sample Number 3050103-28
Sample Description MW-16S collected on 05/02/13 08:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**90.0**	20.0	mg/L	20.0	05/07/13 12:09	SM 5310C-2011		JLF	B3E0115

Sample Number 3050103-30
Sample Description MW-16S collected on 05/02/13 08:56

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:00	SM 4500NO3H-2011		REH	B3E0440

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175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-31
Sample Description MW-20 collected on 05/02/13 11:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**6.13**	2.00	mg/L	2.00	05/07/13 01:37	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 21:07	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:10	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:53	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**28.5**	5.00	mg/L	5.00	05/22/13 16:14	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**132**	25.0	mg/L	1.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	ND	1.00	mg/L	1.00	05/08/13 12:07	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 12:59	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Barium	**0.010**	0.010	mg/L	1.00	05/03/13 15:40	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Calcium	**7.0**	0.50	mg/L	5.00	05/03/13 15:22	EPA 200.7		MER	B3E0091
Chromium	**0.003**	0.002	mg/L	1.00	06/19/13 16:30	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Iron	**11**	0.25	mg/L	5.00	05/03/13 15:22	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Magnesium	**3.1**	0.10	mg/L	1.00	05/03/13 15:40	EPA 200.7		MER	B3E0091
Manganese	**0.031**	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Potassium	**3.4**	0.50	mg/L	1.00	05/03/13 15:40	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 16:30	EPA 200.8		MER	B3E0093
Sodium	**10**	2.5	mg/L	5.00	05/03/13 15:22	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:40	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-33
Sample Description MW-18 collected on 05/02/13 11:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Barium	**0.018**	0.010	mg/L	1.00	05/03/13 16:04	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Calcium	**66**	2.5	mg/L	25.0	05/03/13 15:08	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Iron	**25**	1.2	mg/L	25.0	05/03/13 15:08	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Magnesium	**25**	2.5	mg/L	25.0	05/03/13 15:08	EPA 200.7		MER	B3E0091
Manganese	**3.3**	0.010	mg/L	1.00	05/03/13 16:04	EPA 200.7		MER	B3E0091
Nickel	ND	0.005	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Potassium	**10**	0.50	mg/L	1.00	05/03/13 16:04	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:29	EPA 200.8		MER	B3E0093
Sodium	**220**	100	mg/L	200	05/03/13 14:47	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 16:04	EPA 200.7		MER	B3E0091

Sample Number 3050103-34
Sample Description MW-18 collected on 05/02/13 12:01

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 13:07	EPA 245.1		MER	B3E0274

Sample Number 3050103-35
Sample Description MW-18 collected on 05/02/13 12:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**30.2**	10.0	mg/L	10.0	05/07/13 02:46	EPA 300.0		DJM	B3E0145
Fluoride	ND	1.00	mg/L	10.0	05/08/13 21:30	EPA 300.0	X	DJM	B3E0146
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:55	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**604**	200	mg/L	200	05/16/13 07:38	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**1140**	250	mg/L	10.0	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-36
Sample Description MW-18 collected on 05/02/13 12:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168

Sample Number 3050103-37
Sample Description MW-18 collected on 05/02/13 12:29

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**1.87**	1.00	mg/L	1.00	05/08/13 13:06	SM 5310C-2011		JLF	B3E0172

Sample Number 3050103-39
Sample Description MW-18 collected on 05/02/13 12:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:10	SM 4500NO3H-2011		REH	B3E0440

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-40
Sample Description MW-7A collected on 05/02/13 16:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**114**	20.0	mg/L	20.0	05/17/13 12:54	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/08/13 22:40	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:10	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:58	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**17.6**	5.00	mg/L	5.00	05/16/13 08:03	EPA 300.0		DJM	B3E0559
Total Dissolved Solids	**430**	50.0	mg/L	2.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	ND	1.00	mg/L	1.00	05/08/13 13:26	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	**0.00051**	0.00020	mg/L	1.00	05/09/13 13:10	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Barium	**0.12**	0.010	mg/L	1.00	05/03/13 15:43	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Calcium	**37**	2.0	mg/L	20.0	05/03/13 15:12	EPA 200.7		MER	B3E0091
Chromium	**0.002**	0.002	mg/L	1.00	06/19/13 17:33	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Iron	**0.052**	0.050	mg/L	1.00	05/03/13 15:43	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Magnesium	**26**	2.0	mg/L	20.0	05/03/13 15:12	EPA 200.7		MER	B3E0091
Manganese	**0.45**	0.010	mg/L	1.00	05/03/13 15:43	EPA 200.7		MER	B3E0091
Nickel	**0.009**	0.005	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Potassium	**4.9**	0.50	mg/L	1.00	05/03/13 15:43	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:33	EPA 200.8		MER	B3E0093
Sodium	**22**	10	mg/L	20.0	05/03/13 15:12	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:43	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-42
Sample Description MW-5A collected on 05/02/13 16:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**86.5**	10.0	mg/L	10.0	05/07/13 04:18	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/08/13 23:49	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	**3.04**	0.20	mg/L	2.00	05/15/13 12:48	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:55	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**14.1**	5.00	mg/L	5.00	05/16/13 23:55	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**332**	50.0	mg/L	2.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	**1.14**	1.00	mg/L	1.00	05/08/13 13:49	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	**0.00036**	0.00020	mg/L	1.00	05/09/13 13:13	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Barium	**0.14**	0.010	mg/L	1.00	05/03/13 15:45	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Calcium	**27**	2.0	mg/L	20.0	05/03/13 15:15	EPA 200.7		MER	B3E0091
Chromium	**0.004**	0.002	mg/L	1.00	06/19/13 17:36	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Iron	**2.0**	0.050	mg/L	1.00	05/03/13 15:45	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Magnesium	**22**	2.0	mg/L	20.0	05/03/13 15:15	EPA 200.7		MER	B3E0091
Manganese	**8.8**	0.050	mg/L	5.00	05/03/13 15:31	EPA 200.7		MER	B3E0091
Nickel	**0.009**	0.005	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Potassium	**5.1**	0.50	mg/L	1.00	05/03/13 15:45	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:36	EPA 200.8		MER	B3E0093
Sodium	**22**	10	mg/L	20.0	05/03/13 15:15	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:45	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Subcontracted Analyses

Sample Number 3050103-16
Sample Description MW-17 collected on 05/01/13 17:24

Parameter

Subcontract TOH

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

Sample Number 3050103-22
Sample Description MW-16D collected on 05/01/13 18:36

Parameter

Subcontract TOH

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

Sample Number 3050103-29
Sample Description MW-16S collected on 05/02/13 08:54

Parameter

Subcontract TOH

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

Sample Number 3050103-32
Sample Description MW-20 collected on 05/02/13 11:08

Parameter

Subcontract TOH

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Number 3050103-38
Sample Description MW-18 collected on 05/02/13 12:31

Parameter

Subcontract TOH

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

Sample Number 3050103-41
Sample Description MW-7A collected on 05/02/13 16:10

Parameter

Subcontract TOH

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

Sample Number 3050103-43
Sample Description MW-5A collected on 05/02/13 16:22

Parameter

Subcontract TOH

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0096 - General Prep - Wet Chem										
Blank (B3E0096-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0096-BS1)										
Nitrite as N	0.515	0.010	mg/L	0.500		103	85-115			
Matrix Spike (B3E0096-MS1)	**Source: 3050103-15**									
Nitrite as N	0.263	0.010	mg/L	0.250	ND	105	80-120			
Matrix Spike Dup (B3E0096-MSD1)	**Source: 3050103-15**									
Nitrite as N	0.262	0.010	mg/L	0.250	ND	105	80-120	0.3	20	
Batch B3E0115 - General Prep - TOC										
Blank (B3E0115-BLK1)										
Total Organic Carbon	ND	0.20	mg/L							
LCS (B3E0115-BS1)										
Total Organic Carbon	4.04		mg/L	4.00		101	85-115			
Matrix Spike (B3E0115-MS1)	**Source: 3050057-09**									
Total Organic Carbon	4.65		mg/L	3.75	1.12	94	80-120			
Matrix Spike (B3E0115-MS2)	**Source: 3050103-15**									
Total Organic Carbon	3.72		mg/L	3.75	ND	96	80-120			
Matrix Spike Dup (B3E0115-MSD1)	**Source: 3050057-09**									
Total Organic Carbon	4.62		mg/L	3.75	1.12	93	80-120	0.7	15	
Matrix Spike Dup (B3E0115-MSD2)	**Source: 3050103-15**									
Total Organic Carbon	3.70		mg/L	3.75	ND	96	80-120	0.5	15	
Batch B3E0145 - General Prep - IC										
Blank (B3E0145-BLK1)										
Chloride	ND	1.00	mg/L							

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Canton, NC 28716		Reported:	07/03/13 09:13

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0145 - General Prep - IC										
LCS (B3E0145-BS1)										
Chloride	4.74	1.00	mg/L	5.00		95	90-110			
Duplicate (B3E0145-DUP1)	**Source: 3050045-06RE1**									
Chloride	178	50.0	mg/L		176			2	20	
Duplicate (B3E0145-DUP2)	**Source: 3050060-19RE1**									
Chloride	ND	25.0	mg/L		ND				20	
Duplicate (B3E0145-DUP3)	**Source: 3050103-35**									
Chloride	29.3	10.0	mg/L		30.2			3	20	
Matrix Spike (B3E0145-MS1)	**Source: 3050045-06RE1**									
Chloride	330	50.0	mg/L	150	176	103	90-110			
Matrix Spike (B3E0145-MS2)	**Source: 3050060-19RE1**									
Chloride	76.4	25.0	mg/L	75.0	ND	77	90-110			S1
Matrix Spike (B3E0145-MS3)	**Source: 3050103-35**									
Chloride	58.4	10.0	mg/L	30.0	30.2	94	90-110			
Batch B3E0146 - General Prep - IC										
Blank (B3E0146-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0146-BS1)										
Fluoride	0.49	0.10	mg/L	0.500		97	90-110			
Duplicate (B3E0146-DUP1)	**Source: 3050103-19**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B3E0146-DUP2)	**Source: 3050103-40**									
Fluoride	ND	0.10	mg/L		ND				20	

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0146 - General Prep - IC										
Matrix Spike (B3E0146-MS1)	**Source: 3050103-19**									
Fluoride	0.24	0.10	mg/L	0.300	ND	71	90-110			S1
Matrix Spike (B3E0146-MS2)	**Source: 3050103-40**									
Fluoride	0.31	0.10	mg/L	0.300	ND	92	90-110			
Batch B3E0168 - General Prep - Phenol										
Blank (B3E0168-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Blank (B3E0168-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B3E0168-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
LCS (B3E0168-BS2)										
Total Recoverable Phenols	0.039	0.005	mg/L	0.0400		98	90-110			
Duplicate (B3E0168-DUP1)	**Source: 3050060-09**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0168-DUP2)	**Source: 3050060-15**									
Total Recoverable Phenols	ND	0.005	mg/L		0.005				20	P3
Duplicate (B3E0168-DUP3)	**Source: 3050103-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0168-MS1)	**Source: 3050060-09**									
Total Recoverable Phenols	0.035	0.005	mg/L	0.0400	ND	83	75-125			
Matrix Spike (B3E0168-MS2)	**Source: 3050060-15**									
Total Recoverable Phenols	0.033	0.005	mg/L	0.0400	0.005	71	75-125			S1

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0168 - General Prep - Phenol										
Matrix Spike (B3E0168-MS3)	**Source: 3050103-15**									
Total Recoverable Phenols	0.038	0.005	mg/L	0.0400	ND	90	75-125			
Batch B3E0172 - General Prep - TOC										
Blank (B3E0172-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B3E0172-BS1)										
Total Organic Carbon	4.94		mg/L	5.00		99	85-115			
Matrix Spike (B3E0172-MS1)	**Source: 3050103-31**									
Total Organic Carbon	3.88		mg/L	3.75	ND	97	80-120			
Matrix Spike Dup (B3E0172-MSD1)	**Source: 3050103-31**									
Total Organic Carbon	3.84		mg/L	3.75	ND	96	80-120	1	15	
Batch B3E0219 - General Prep - Solids										
Blank (B3E0219-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
Duplicate (B3E0219-DUP1)	**Source: 3050103-26**									
Total Dissolved Solids	3380	250	mg/L		3460			2	15	
Batch B3E0227 - General Prep - Wet Chem KL										
Blank (B3E0227-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0227-BS1)										
Nitrate-Nitrite as N	2.10	0.10	mg/L	2.00		105	85-115			

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0227 - General Prep - Wet Chem KL										
Matrix Spike (B3E0227-MS1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.17	0.10	mg/L	1.25	ND	91	75-125			
Matrix Spike Dup (B3E0227-MSD1)	**Source: 3040806-10**									
Nitrate-Nitrite as N	1.15	0.10	mg/L	1.25	ND	89	75-125	2	20	
Batch B3E0338 - General Prep - Solids										
Blank (B3E0338-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
LCS (B3E0338-BS1)										
Total Dissolved Solids	2030	25.0	mg/L	2030		100	80-120			
Duplicate (B3E0338-DUP1)	**Source: 3050177-03**									
Total Dissolved Solids	7810	250	mg/L		7680			2	15	
Batch B3E0435 - General Prep - IC										
Blank (B3E0435-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0435-BS1)										
Sulfate	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0435-DUP3)	**Source: 3050103-42**									
Sulfate	13.7	5.00	mg/L		14.1			3	20	
Duplicate (B3E0435-DUP4)	**Source: 3050313-01**									
Sulfate	99.6	20.0	mg/L		100			0.7	20	
Matrix Spike (B3E0435-MS3)	**Source: 3050103-42**									
Sulfate	28.5	5.00	mg/L	15.0	14.1	96	90-110			

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0435 - General Prep - IC										
Matrix Spike (B3E0435-MS4)	**Source: 3050313-01**									
Sulfate	162	20.0	mg/L	60.0	100	102	90-110			
Batch B3E0437 - General Prep - IC										
Blank (B3E0437-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0437-BS1)										
Chloride	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0437-DUP1)	**Source: 3050060-09**									
Chloride	7.80	5.00	mg/L		7.90			1	20	
Duplicate (B3E0437-DUP2)	**Source: 3050198-05RE1**									
Chloride	ND	500	mg/L		ND				20	
Matrix Spike (B3E0437-MS1)	**Source: 3050060-09**									
Chloride	21.0	5.00	mg/L	15.0	7.90	88	90-110			S1
Matrix Spike (B3E0437-MS2)	**Source: 3050198-05RE1**									
Chloride	1420	500	mg/L	1500	ND	76	90-110			S1
Batch B3E0440 - General Prep - Wet Chem KL										
Blank (B3E0440-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0440-BS1)										
Nitrate-Nitrite as N	1.86	0.10	mg/L	2.00		93	85-115			
Matrix Spike (B3E0440-MS1)	**Source: 3050122-01**									
Nitrate-Nitrite as N	2.14	0.10	mg/L	1.25	0.84	104	75-125			

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0440 - General Prep - Wet Chem KL										
Matrix Spike Dup (B3E0440-MSD1)	**Source: 3050122-01**									
Nitrate-Nitrite as N	2.25	0.10	mg/L	1.25	0.84	113	75-125	5	20	
Batch B3E0532 - General Prep - Solids										
Blank (B3E0532-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
Duplicate (B3E0532-DUP1)	**Source: 3050439-01**									
Total Dissolved Solids	500	50.0	mg/L		496			0.8	15	
Duplicate (B3E0532-DUP2)	**Source: 3050103-15**									
Total Dissolved Solids	42.0	25.0	mg/L		45.0			7	15	K
Batch B3E0559 - General Prep - IC										
Blank (B3E0559-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0559-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			
Duplicate (B3E0559-DUP1)	**Source: 3050057-07**									
Sulfate	8.54	1.00	mg/L		8.52			0.2	20	
Duplicate (B3E0559-DUP2)	**Source: 3050060-21**									
Sulfate	3.42	1.00	mg/L		3.42			0.09	20	
Matrix Spike (B3E0559-MS1)	**Source: 3050057-07**									
Sulfate	11.9	1.00	mg/L	3.00	8.52	112	90-110			S3
Matrix Spike (B3E0559-MS2)	**Source: 3050060-21**									
Sulfate	6.49	1.00	mg/L	3.00	3.42	102	90-110			

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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0660 - General Prep - IC										
Blank (B3E0660-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0660-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			
Duplicate (B3E0660-DUP1)	**Source: 3050439-01RE1**									
Sulfate	74.3	20.0	mg/L		76.6			3	20	
Duplicate (B3E0660-DUP2)	**Source: 3050489-01**									
Sulfate	78.1	20.0	mg/L		79.7			2	20	
Matrix Spike (B3E0660-MS1)	**Source: 3050439-01RE1**									
Sulfate	133	20.0	mg/L	60.0	76.6	94	90-110			
Matrix Spike (B3E0660-MS2)	**Source: 3050489-01**									
Sulfate	136	20.0	mg/L	60.0	79.7	94	90-110			

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Evergreen Packaging 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 3050103 07/03/13 09:13

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Blank (B3E0091-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0091-BS1)										
Barium	1.0	0.010	mg/L	1.00		101	85-115			
Calcium	1.0	0.10	mg/L	1.00		101	85-115			
Iron	1.0	0.050	mg/L	1.00		101	85-115			
Magnesium	1.0	0.10	mg/L	1.00		100	85-115			
Manganese	1.0	0.010	mg/L	1.00		101	85-115			
Potassium	10	0.50	mg/L	10.0		102	85-115			
Sodium	1.0	0.50	mg/L	1.00		100	85-115			
Zinc	1.0	0.020	mg/L	1.00		100	85-115			
Duplicate (B3E0091-DUP1)	**Source: 3050104-18**									
Barium	0.054	0.010	mg/L		0.055			1	20	
Calcium	2.5	0.10	mg/L		2.5			2	20	
Iron	0.22	0.050	mg/L		0.24			6	20	
Magnesium	0.99	0.10	mg/L		0.99			0.8	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.2	0.50	mg/L		1.2			2	20	
Sodium	2.3	0.50	mg/L		2.3			0.8	20	
Zinc	ND	0.020	mg/L		ND				20	
Duplicate (B3E0091-DUP2)	**Source: 3050104-22**									
Barium	0.026	0.010	mg/L		0.026			0.04	20	
Calcium	1.7	0.10	mg/L		1.7			0.03	20	
Iron	0.73	0.050	mg/L		0.76			4	20	
Magnesium	2.8	0.10	mg/L		2.8			0.8	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	0.81	0.50	mg/L		0.81			0.2	20	

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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Duplicate (B3E0091-DUP2)	**Source: 3050104-22**									
Sodium	1.6	0.50	mg/L		1.6			0.3	20	
Zinc	ND	0.020	mg/L		ND				20	
Matrix Spike (B3E0091-MS1)	**Source: 3050104-18**									
Barium	1.0	0.010	mg/L	1.00	0.055	98	70-130			
Calcium	3.5	0.10	mg/L	1.00	2.5	94	70-130			
Iron	1.2	0.050	mg/L	1.00	0.24	98	70-130			
Magnesium	2.0	0.10	mg/L	1.00	0.99	98	70-130			
Manganese	0.99	0.010	mg/L	1.00	ND	99	70-130			
Potassium	11	0.50	mg/L	10.0	1.2	100	70-130			
Sodium	3.2	0.50	mg/L	1.00	2.3	89	70-130			
Zinc	0.97	0.020	mg/L	1.00	ND	97	70-130			
Matrix Spike (B3E0091-MS2)	**Source: 3050104-22**									
Barium	1.0	0.010	mg/L	1.00	0.026	99	70-130			
Calcium	2.7	0.10	mg/L	1.00	1.7	103	70-130			
Iron	1.7	0.050	mg/L	1.00	0.76	90	70-130			
Magnesium	3.8	0.10	mg/L	1.00	2.8	100	70-130			
Manganese	1.0	0.010	mg/L	1.00	ND	100	70-130			
Potassium	11	0.50	mg/L	10.0	0.81	101	70-130			
Sodium	2.5	0.50	mg/L	1.00	1.6	88	70-130			
Zinc	0.99	0.020	mg/L	1.00	ND	98	70-130			
Post Spike (B3E0091-PS1)	**Source: 3050104-18**									
Barium	1.0		mg/L	1.00	0.055	98	85-115			
Calcium	3.5		mg/L	1.00	2.5	100	85-115			
Iron	1.2		mg/L	1.00	0.24	98	85-115			
Magnesium	2.0		mg/L	1.00	0.99	98	85-115			
Manganese	1.0		mg/L	1.00	ND	99	85-115			
Potassium	11		mg/L	10.0	1.2	101	85-115			
Sodium	3.2		mg/L	1.00	2.3	90	85-115			
Zinc	0.97		mg/L	1.00	ND	97	85-115			
Post Spike (B3E0091-PS2)	**Source: 3050104-22**									
Barium	1.0		mg/L	1.00	0.026	98	85-115			
Calcium	2.8		mg/L	1.00	1.7	105	85-115			

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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Post Spike (B3E0091-PS2)	**Source: 3050104-22**									
Iron	1.6		mg/L	1.00	0.76	87	85-115			
Magnesium	3.8		mg/L	1.00	2.8	100	85-115			
Manganese	1.0		mg/L	1.00	ND	99	85-115			
Potassium	11		mg/L	10.0	0.81	101	85-115			
Sodium	2.5		mg/L	1.00	1.6	89	85-115			
Zinc	0.98		mg/L	1.00	ND	97	85-115			
Batch B3E0093 - EPA 200.8 Mod										
Blank (B3E0093-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	0.002	0.002	mg/L							Z
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0093-BS1)										
Arsenic	0.019	0.005	mg/L	0.0200		94	85-115			
Cadmium	0.019	0.0010	mg/L	0.0200		95	85-115			
Chromium	0.022	0.002	mg/L	0.0200		109	85-115			
Copper	0.019	0.005	mg/L	0.0200		93	85-115			
Lead	0.019	0.005	mg/L	0.0200		94	85-115			
Manganese	0.019	0.005	mg/L	0.0200		97	85-115			
Nickel	0.019	0.005	mg/L	0.0200		95	85-115			
Selenium	0.019	0.005	mg/L	0.0200		94	85-115			
Silver	0.019	0.002	mg/L	0.0200		95	85-115			
Matrix Spike (B3E0093-MS1)	**Source: 3050103-15**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	97	70-130			
Cadmium	0.019	0.0010	mg/L	0.0200	ND	96	70-130			
Chromium	0.023	0.002	mg/L	0.0200	0.004	94	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	93	70-130			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0093 - EPA 200.8 Mod										
Matrix Spike (B3E0093-MS1)	**Source: 3050103-15**									
Lead	0.019	0.005	mg/L	0.0200	ND	93	70-130			
Manganese	0.021	0.005	mg/L	0.0200	0.005	81	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	91	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	95	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	94	70-130			
Matrix Spike (B3E0093-MS2)	**Source: 3050103-31**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Cadmium	0.020	0.0010	mg/L	0.0200	ND	98	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.003	96	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Manganese	0.052	0.005	mg/L	0.0200	0.031	101	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	96	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	96	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130			
Matrix Spike Dup (B3E0093-MSD1)	**Source: 3050103-15**									
Arsenic	0.018	0.005	mg/L	0.0200	ND	92	70-130	5	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	94	70-130	2	20	
Chromium	0.023	0.002	mg/L	0.0200	0.004	94	70-130	0.1	20	
Copper	0.019	0.005	mg/L	0.0200	ND	89	70-130	4	20	
Lead	0.018	0.005	mg/L	0.0200	ND	92	70-130	1.30	20	
Manganese	0.021	0.005	mg/L	0.0200	0.005	81	70-130	0.1	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	90	70-130	0.4	20	
Selenium	0.019	0.005	mg/L	0.0200	ND	91	70-130	4	20	
Silver	0.019	0.002	mg/L	0.0200	ND	93	70-130	0.2	20	
Matrix Spike Dup (B3E0093-MSD2)	**Source: 3050103-31**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	95	70-130	4	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	96	70-130	2	20	
Chromium	0.021	0.002	mg/L	0.0200	0.003	89	70-130	6	20	
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130	4	20	
Lead	0.018	0.005	mg/L	0.0200	ND	91	70-130	3.53	20	
Manganese	0.050	0.005	mg/L	0.0200	0.031	95	70-130	3	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130	4	20	

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0093 - EPA 200.8 Mod										
Matrix Spike Dup (B3E0093-MSD2)	**Source: 3050103-31**									
Selenium	0.020	0.005	mg/L	0.0200	ND	93	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	94	70-130	2	20	
Post Spike (B3E0093-PS1)	**Source: 3050103-15**									
Arsenic	0.023		mg/L	0.0250	ND	92	75-125			
Cadmium	0.023		mg/L	0.0250	ND	92	75-125			
Chromium	0.027		mg/L	0.0250	0.004	93	75-125			
Copper	0.023		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	90	75-125			
Manganese	0.028		mg/L	0.0250	0.005	92	75-125			
Nickel	0.025		mg/L	0.0250	ND	90	75-125			
Selenium	0.024		mg/L	0.0250	ND	92	75-125			
Silver	0.023		mg/L	0.0250	ND	93	75-125			
Post Spike (B3E0093-PS2)	**Source: 3050103-31**									
Arsenic	0.024		mg/L	0.0250	ND	97	75-125			
Cadmium	0.023		mg/L	0.0250	ND	93	75-125			
Chromium	0.026		mg/L	0.0250	0.003	90	75-125			
Copper	0.023		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	90	75-125			
Manganese	0.054		mg/L	0.0250	0.031	92	75-125			
Nickel	0.024		mg/L	0.0250	ND	91	75-125			
Selenium	0.024		mg/L	0.0250	ND	90	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Batch B3E0274 - EPA 245.1										
Blank (B3E0274-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B3E0274-BS1)										
Mercury	0.0053	0.00020	mg/L	0.00500		107	85-115			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0274 - EPA 245.1										
Duplicate (B3E0274-DUP1)	**Source: 3050057-06**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0274-DUP2)	**Source: 3050060-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0274-MS1)	**Source: 3050057-06**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0274-MS2)	**Source: 3050060-21**									
Mercury	0.0047	0.00020	mg/L	0.00500	ND	93	70-130			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0093	3050103-15	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-17	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-24	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-31	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-33	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-40	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050103-42	05/03/2013 10:13	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0274	3050103-15	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-18	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-25	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-31	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-34	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-40	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050103-42	05/07/2013 09:32	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0091	3050103-15	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-17	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-24	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-31	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-33	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-40	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050103-42	05/03/2013 10:14	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050103
Canton, NC 28716		Reported:	07/03/13 09:13

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
K	The sample was analyzed beyond the accepted holding time.
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.
Z	Chromium was detected in the method blank at 0.002 mg/L.

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3050103

05/01/13 1
NTC

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: Evergreen Packing
Address: Canton, NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

							N	N	N	N	N	N	N	Filtered (Yes/No)
							Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
							P	P	P	G	P	G	P	Container Type (P/G)
							500 mL	250 mL	1/2	1L	250 mL	250 mL	250 mL	Container Volume
							G	G	G	G	G	G	G	Sample Type (Grab/Composite)
							GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)
							N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)
							NA	NA	NA	NA	NA	/	NA	Lab Receipt Cl_2 Check: KRU
							12	12	NA	12	12	/	12	Lab Receipt pH Check: 5.3.13
							B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS		Metals	Hg	Cl, Fl, TDS, SO4, NO2	Phenol	TOC	TOX ⊗	NO3	COMMENTS:
														-01 through -14
-15	05/01	1724	MW-17	8			1	1	1	2	1	1	1	Field data collected
-17		1809	MW-16D	1			1					16		
-18		1812	MW-16D	1				1						metals = As, Ba, Cd, Ca, Cr,
-19		1815	MW-16D	1					1					Cu, Fe, Pb, Mg, Mn, Ni, K,
-20		1826	MW-16D	1						1				Se, Ag, Na, Zn
-21		1833	MW-16D	1							1			
-22	—	1836	MW-16D	1								1		⊗ Subcontracted

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	05/02/13 1902	② Secure Area	
③ Secure Area		④ [signature]	5.3.13 0730
⑤		⑥	

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: 21 °C

Form Revised July 2008

R/C COC FORM

3050103

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: Evergreen Packing
Address: Canton, NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

							N	N	N	N	N	N	N	Filtered (Yes/No)
							Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
							P	P	P	G	P	G	P	Container Type (P/G)
							500 mL	250 mL	1/2	1 L	250 mL	250 mL	250 mL	Container Volume
							G	G	G	G	G	G	G	Sample Type (Grab/Composite)
							GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)
							N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)
							NA	NA	NA	NA	NA	/	NA	Lab Receipt Cl2 Check KRU
							L2	⊗	NA	L2	⊗	/	L2	Lab Receipt pH Check 5.3.13
							B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS		Metals	Hg	Cl, Fl, TDS, SO4, NO2	Phenol	TOC	TOX ⊗⊗	NO3	
-23	05/01	1838	MW-16D	1									1	
-24	05/02	0824	MW-16S	1			1							
-25		0827	MW-16S	1				1						
-26		0830	MW-16S	1					1					
-27		0843	MW-16S	1						1				
-28		0852	MW-16S	1							1			
-29	—	0854	MW-16S	1								1		

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

COMMENTS:

⊗ See Sample Rec form KRU 5.3

Field data collected

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

⊗⊗ Subcontracted

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	05/02/13 1902	② Secure Area	
③ Secure Area		④ [signature]	5.3.13 0730
⑤		⑥	

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 2d °C

Form Revised July 2008

R/C COC FORM

305010-3

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: Evergreen Packing
Address: Canton, NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-139

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Metals	Hg	Cl, Fl, TDS, SO4, NO2	Phenol	TOC	Tox (*)	NO3	COMMENTS:
-30	05/02	0856	MW-16S	1							1	Field data Collected
-31		1108	MW-20	7	1	1	1	1	1	1	1	
-33		1155	MW-18	1	1					32		metals = As, Ba, Cd, Ca, Cr,
-34		1201	MW-18	1		1						Cu, Fe, Pb, Mg, Mn, Ni, K,
-35		1205	MW-18	1			1					Se, Ag, Na, Zn
-36		1220	MW-18	1				1				
-37		1229	MW-18	1					1			(*) Subcontracted

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

Lab Receipt Cl, Check: NRU
Lab Receipt pH Check: 5.3.13

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	05/02/13 1902	② Secure Area Shipper Name & #	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [signature] Shipper Name & #	5.3.13 0730
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # ot'chd by ◯ Recvd. Intact by ◯ Seal # ot'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: 24 °C

Form Revised July 2008

R/C COC FORM

3050103

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: Evergreen Packing
Address: Canton, NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

							N	N	N	N	N	N	N	Filtered (Yes/No)
							Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
							P	P	P	G	P	G	P	Container Type (P/G)
							500 mL	250 mL	1/2	1L	250 mL	250 mL	250 mL	Container Volume
							G	G	G	G	G	G	G	Sample Type (Grab/Composite)
							GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)
							N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)
							NA	NA	NA	NA	NA	/	NA	Lab Receipt Cl_2 Check: KRU
							LD	LD	NA	LD	LD	/	LD	Lab Receipt pH Check: 5.3.13
							B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS		Metals	Hg	Cl, Fl, TDS, SO4, NO2	phenol	TOC	TOX ⊗	NO3	COMMENTS:
-38	05/02	1231	MW-18	1								1		Field data collected
-39		1235	MW-18	1									1	
-40		1610	MW-7A	7			1	1	1	1	1	1 -41	1	metals = As, Ba, Cd, Ca, Cr,
-42		1622	MW-5A	7			1	1	1	1	1	1 -43	1	Cu, Fe, Pb, Mg, Mn, Ni, K,
														Se, Ag, Na, Zn
														⊗ Subcontracted

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	05/02/13 1902	② Secure Area	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [signature] Shipper Name & #	5.3.13 0730
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: 2.1 °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-17

Date: 05/01/13 Field Personnel: NJC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny / 66 °F Page 1 of ____

Method of Well Evacuation or Sample Collection

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 40.32 @ 1623
Total Depth of Well (b): 65.57
Length of Water Column in Well (b-a): 25.25
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	16.5	
3 Casing Vol	49.5	66.0

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 Tag? Okay / ____
Well Integrity Satisfactory? Okay / Hinge Broken
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/01/13	1638	-	N/A	40.32	0.0	6.07	16.9	44.3	N/A	N/A	1	<5.0	
	1649	1	1.5	45.71	16.5	6.34	15.8	42.8	N/A	N/A	1	<5.0	
	1700	2	1.5	46.18	33.0	6.01	16.8	47.6	N/A	N/A	1	<5.0	
	1711	3	1.5	46.51	49.5	5.98	15.0	45.7	N/A	N/A	1	<5.0	
	1722	4	1.5	46.58	66.0	5.96	14.6	45.8	N/A	N/A	1	<5.0	
		5											
		6											
		7											

05/01/13

* 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: 1724

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-160

Date: 05/01/13 Field Personnel: MJL

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Cloudy / 66 °F

Page 3 of 2 MJL 05/01/13

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 62.11 @ 1604
Total Depth of Well (b): 110.08
Length of Water Column in Well (b-a): 47.97
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	31.3	
3 Casing Vol	93.9	2745 ml

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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/01/13	1752	-	N/A	62.11	0.0	6.59	17.9	1583	N/A	N/A	2	25.1	
	1757	1	183	62.21	915	6.89	15.8	1642	N/A	N/A	1	5.32	
	1802	2	183	62.26	1830	6.91	15.2	1672	N/A	N/A	1	< 5.0	
	1807	3	183	62.29	2745	6.93	15.0	1674	N/A	N/A	1	< 5.0	
		4											
		5											
		6											
		7											

05/01/13

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

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

Sample Collection Time: Metals = 1809 Hg = 1812 Cl, Fl, TDS, SO4, NO2 = 1815 Phenol = 1826
TOC = 1833 TOX = 1836 NO3 = 1838

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-16S

Date: 05/01/13 Field Personnel: MTC

Site Name/Location: Furrgreen Packing

Weather Conditions/~Temp: Cloudy / 66 °F Page 3 of ___

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 56.21 @ 1818
Total Depth of Well (b): 70.40
Length of Water Column in Well (b-a): 14.19
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	9.3	
3 Casing Vol	27.9	2745 mL

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 Tag? Okay / ___
Well Integrity Satisfactory? Okay / lid broken
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/02/13	0807	-	N/A	56.21	0.0	6.58	13.3	05/02/13 497 ~~4.97~~	N/A	N/A	1	21.8	
	0812	1	183	56.29	915	6.65	13.6	501	N/A	N/A	1	5.14	
	0817	2	183	56.33	1830	6.67	13.6	MTC 499 05/02/13 ~~4.99~~	N/A	N/A	1	5.22	
	0822	3	183	56.38	2745	6.69	13.5	497	N/A	N/A	1	5.37	
		4											
		5											
		6							05/02/13				
		7											

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

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

Sample Collection Time: Metals = 0824 Hg = 0827 Cl, Fl, TDS, SO4, NO2 = 0830 Phenol = 0843
TOC = 0852 TOX = 0854 NO3 = 0856

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-18

Date: 05/02/13 Field Personnel: MJC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: raining 157 °F Page 4 of ____

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 76.91 @ 0930
Total Depth of Well (b): 112.65
Length of Water Column in Well (b-a): 35.74
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	23.3	
3 Casing Vol	69.9	2080 mL

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 Tag? Okay / ____
Well Integrity Satisfactory? Okay / lid broken
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/02/13	1138	-	N/A	76.91	0.0	6.34	14.4	1612	N/A	N/A	1	< 5.0	
	1143	1	150	77.03	750	6.58	14.2	1617	N/A	N/A	1	< 5.0	
	1148	2	133	77.04	1415	6.63	13.9	1645	N/A	N/A	1	< 5.0	
	1153	3	133	77.06	2080	6.65	14.1	1623	N/A	N/A	1	< 5.0	
		4											
		5											
		6											
		7											

05/02/13

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

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

Sample Collection Time: metals = 1155 Hg = 1201 Cl, Fl, TDS, SO4, NO2 = 1205 phenol = 1220
TOC = 1229 TOX = 1231 NO3 = 1235

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-20

Date: 05/02/13 Field Personnel: MTC

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: raining / 57 °F

Page 5 of ____

Method of Well Evacuation or Sample Collection

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 41.89 @ 1010
Total Depth of Well (b): 61.59
Length of Water Column in Well (b-a): 19.7
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	12.9	
3 Casing Vol	38.7	64.5

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 Tag? ~~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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/02/13	1020	-	N/A	MT 05/02/13 ~~G~~ 41.89	0.0	8.01	14.0	90.4	N/A	N/A	1	16.5	
	1029	1	1.4	44.31	12.9	6.94	14.5	117.7	N/A	N/A	1	11.9	
	1038	2	1.4	45.06	25.8	6.65	14.6	123.3	N/A	N/A	1	<5.0	
	1047	3	1.4	45.61	38.7	6.51	14.8	137.0	N/A	N/A	1	<5.0	
	1056	4	1.4	46.04	51.6	6.46	14.8	151.5	N/A	N/A	1	<5.0	
	1105	5	1.4	46.39	64.5	6.46	15.0	153.2	N/A	N/A	1	<5.0	
		6											
		7											

05/02/13

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

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Precipitate: None

Fe^{+2} mg/L= N/A

Sample Collection Time: 1108

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-54

Date: 05/02/13 Field Personnel: MJC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny / 59 °F Page 6 of ____

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 34.76 @ 1449
Total Depth of Well (b): 44.51
Length of Water Column in Well (b-a): 9.75
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	1.6	
3 Casing Vol	4.8	6.4

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / ____
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/02/13	1455	-	N/A	34.76	0.0	5.63	18.5	807	N/A	N/A	1	54.1	
	1458	1	N/A	N/A	1.6	5.52	17.7	701	N/A	N/A	1	276	
	1502	2	N/A	N/A	3.2	5.49	17.6	608	N/A	N/A	1	461	
	1506	3	N/A	N/A	4.8	5.56	18.0	585	N/A	N/A	1	386	
	1509	4	N/A	N/A	6.4	5.57	17.5	595	N/A	N/A	1	465	DRY
	1621	5	N/A	35.41	Sample	5.58	17.8	519	N/A	N/A	1	29.8	Sample
		6											
		7											

05/02/13

* 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: 1622

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Well Identification or Number: MW-7A

Date: 05/02/13 Field Personnel: ATS

Site Name/Location: Evergreen Packing

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Weather Conditions/~Temp: Sunny 159 °F Page 7 of ___

Method of Well Evacuation or Sample Collection

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

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

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): 8.69 @ 1531
Total Depth of Well (b): 26.39
Length of Water Column in Well (b-a): 17.7
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	2.9	
3 Casing Vol	8.7	8.7

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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/02/13	1535	-	N/A	~~26~~ 05/02/13 8.69	0.0	5.72	15.2	566	N/A	N/A	1	13.0	
	1546	1	0.26	10.71	2.9	5.65	14.4	573	N/A	N/A	1	20.1	
	1557	2	0.26	11.08	5.8	5.65	14.1	581	N/A	N/A	1	9.63	
	1608	3	0.26	11.13	8.7	5.64	13.9	584	N/A	N/A	1	6.58	
		4											
		5											
		6											
		7											

[signature] 05/02/13

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

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

Sample Collection Time: 1610

Comments:

Revised 1-10-13

Rogers and Callcott Engineers
Field Meter Calibration Record

ATC 05/01/13

Client: ~~BRPE~~ Evergreen Packing **Date:** 05/01/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QV1-12336

Time: 0816 Analyst: ATC Cell Constant 0.461

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300565	9.69		9.43	21.3
P301864	99.8		101.1	21.2
P301861	998		1013	21.2
P301087	SSS conc:	447	453	21.2

Temperature compensation for pH / conductivity meter: -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600

Time: 0801 Analyst: ATC Slope: 100.1

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.09
P204625	7.0		7.08
P204626	10.0		10.06
P204624	SSS conc:	4.0	4.08

Turbidity Meter Calibration - Field Screen Method

Meter Make / Model: Hach 2100P SN: 98070001 8869 Date of most recent calibration: 05/01/13

Time: 0825 Analyst: ATC

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301996	(0-10)	6.05	6.20
P301997	(0-100)	52.5	52.5
P301998	(0-1000)	436	435

Reviewed by: Date:

Revised 07/21/11

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: Evergreen Packing

Date: 05/01/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion 4 Star

SN: A12882

Probe: QV1-12336

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1300	NJC	99.8	99.4 @ 22.0 °C
1947	NJC	9.69	9.52 @ 24.9 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion 4 Star

Probe: PR1-13600

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1258	NJC	7.0	7.09
1943	NJC	4.0	4.05

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
1259	NJC	(0-100) 52.5	52.7
1944	NJC	(0-10) 6.05	6.09

Field Duplicate

Well ID: MW-15

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1506	NJC	54.9	5.94	9.51	13.9

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

Reviewed by: _____ Date: _____

Revised 08/03/11

Rogers and Callcott Engineers
Field Meter Calibration Record

Client: Evergreen Packing **Date:** 05/02/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QV1-12336

Time: 0739 Analyst: MC Cell Constant 0.937

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.56	17.2
P301864	99.8		101.2	17.2
P301861	998		1001	17.3
P301087	SSS conc:	447	445	17.2

Temperature compensation for pH / conductivity meter : -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600

Time: 0733 Analyst: MC Slope: 99.8

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.06
P204625	7.0		7.08
P204626	10.0		10.07
P204624	SSS conc:	4.0	4.07

Turbidity Meter Calibration - Field Screen Method

Meter Make / Model: Hach 2100P SN: 9607000108669 Date of most recent calibration: 05/01/13

Time: 0734 Analyst: MC

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301996	(0-10)	6.05	6.12
P301997	(0-100)	52.5	52.9
P301998	(0-1000)	436	438

Reviewed by: _____ Date: _____

Revised 07/21/11

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: Evergreen Packing **Date:** 05/02/13

Conductivity Meter EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QV1-12336

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1211	MJC	99.8	100.2 @ 17.6 °C
1639	MJC	998	999 @ 21.5 °C

pH Meter EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1207	MJC	7.0	7.06
1635	MJC	4.0	4.08

Turbidity Meter Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1208	MJC	(0-100) 52.5	53.4
1635	MJC	(0-10) 6.05	6.12

Field Duplicate

Well ID: MW-20

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1106	MJC	1592	6.42	< 5.0	14.9

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

Reviewed by: _____ Date: _____

Revised 08/03/11

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN Date Received: 5.3.13 Work Order: 3050103

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

Tracking Number: _____

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

If in-house preservation used – record Lot #			
HCL		H_3PO_4	P300396
H_2SO_4		NaOH	
HNO_3	P300378	Other	

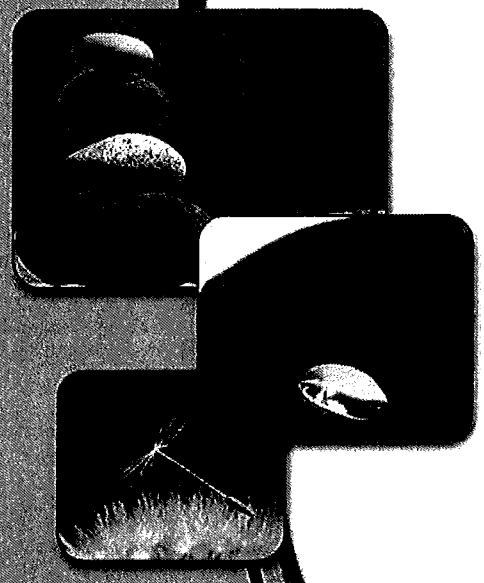
Comments: ⊗ MW-16S TOC + Hg pH lowered to <2 in lab w/ additional acid on 5.3 @ 0830

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue:

Revised November 2012

Completed by: KRW



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26278-1
TestAmerica Sample Delivery Group: 3050103
Client Project/Site: Rogers & Calcott - NC

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:32:51 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26278-1	3050103-16 MW-17	GW	05/01/13 17:24	05/09/13 08:30
490-26278-2	3050103-22 MW-16D	GW	05/01/13 18:36	05/09/13 08:30
490-26278-3	3050103-29 MW-16S	GW	05/02/13 08:54	05/09/13 08:30
490-26278-4	3050103-32 MW-20	GW	05/02/13 11:08	05/09/13 08:30
490-26278-5	3050103-38 MW-18	GW	05/02/13 12:31	05/09/13 08:30
490-26278-6	3050103-41 MW-7A	GW	05/02/13 16:10	05/09/13 08:30
490-26278-7	3050103-43 MW-5A	GW	05/02/13 16:22	05/09/13 08:30

Case Narrative

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Job ID: 490-26278-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26278-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 79927.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-16 MW-17

Lab Sample ID: 490-26278-1

Date Collected: 05/01/13 17:24
Matrix: GW
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-22 MW-16D
Date Collected: 05/01/13 18:36
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26278-2
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0484		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-29 MW-16S

Lab Sample ID: 490-26278-3

Date Collected: 05/02/13 08:54
Matrix: GW
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0925		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-32 MW-20
Date Collected: 05/02/13 11:08
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26278-4
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-38 MW-18

Lab Sample ID: 490-26278-5

Date Collected: 05/02/13 12:31
Matrix: GW
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-41 MW-7A

Lab Sample ID: 490-26278-6
Matrix: GW

Date Collected: 05/02/13 16:10
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0477		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-43 MW-5A

Lab Sample ID: 490-26278-7

Date Collected: 05/02/13 16:22
Matrix: GW
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.240		0.0300		mg/L			05/14/13 08:59	1

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-79927/5
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Lab Sample ID: LCS 490-79927/4
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2334		mg/L		93	90 - 110

TestAmerica Nashville

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

General Chemistry

Analysis Batch: 79927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26278-1	3050103-16 MW-17	Total/NA	GW	9020B	
490-26278-2	3050103-22 MW-16D	Total/NA	GW	9020B	
490-26278-3	3050103-29 MW-16S	Total/NA	GW	9020B	
490-26278-4	3050103-32 MW-20	Total/NA	GW	9020B	
490-26278-5	3050103-38 MW-18	Total/NA	GW	9020B	
490-26278-6	3050103-41 MW-7A	Total/NA	GW	9020B	
490-26278-7	3050103-43 MW-5A	Total/NA	GW	9020B	
LCS 490-79927/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-79927/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

Lab Sample ID: 490-26278-1
Matrix: GW

Client Sample ID: 3050103-16 MW-17
Date Collected: 05/01/13 17:24
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Sample ID: 490-26278-2
Matrix: GW

Client Sample ID: 3050103-22 MW-16D
Date Collected: 05/01/13 18:36
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Sample ID: 490-26278-3
Matrix: GW

Client Sample ID: 3050103-29 MW-16S
Date Collected: 05/02/13 08:54
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Sample ID: 490-26278-4
Matrix: GW

Client Sample ID: 3050103-32 MW-20
Date Collected: 05/02/13 11:08
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Sample ID: 490-26278-5
Matrix: GW

Client Sample ID: 3050103-38 MW-18
Date Collected: 05/02/13 12:31
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Sample ID: 490-26278-6
Matrix: GW

Client Sample ID: 3050103-41 MW-7A
Date Collected: 05/02/13 16:10
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Client Sample ID: 3050103-43 MW-5A

Date Collected: 05/02/13 16:22
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26278-7
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26278-1
SDG: 3050103

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-26278 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8553 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 25 *Degrees Celsius*

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

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

If yes, how many and where: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

Loc: 490
26278

ROGERS & CALLCOTT LABORATORY SERVICES

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

CHAIN OF CUSTODY RECORD

PAGE ____ OF

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								COMMENTS:
					B								Preserved (Code)
					N								Filtered (Yes/No)
					Y								Cooled (Yes/No)
					G								Container Type (P/G)
					250 mL								Container Volume
					G								Sample Type (Grab/Composite)
					GW								Sample Source (WW, GW, DW, Other)
					N								Sample Source Chlorinated (Yes/No)
													Lab Receipt Cl_2 Check
													Lab Receipt pH Check
305 D103-16	5.1	1724	MW-17	1		1						-1	SUB TO TEST AMERICA
-22	↓	1836	MW-16D	1		1						2	
-29	5.2	0854	MW-16S	1		1						3	NC SAMPLES
-32		1108	MW-20	1		1						4	
-38		1231	MW-18	1		1						5	
-41		1610	MW-7A	1		1						6	
-43	↓	1622	MW-5A	1		1						7	

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	5.8.13 1000	② [signature] TAW	5-9-13 0830
Relinquished by (Sig.) ③		Received by (Sig.) ④ / Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ / Shipper Name & #	

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Form Revised July 2008

R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26278-1
SDG Number: 3050103

List Source: TestAmerica Nashville

Login Number: 26278
List Number: 1
Creator: Myers, Madonna

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050104 05/03/2013 07:30

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 03, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050104
Received: 05/03/2013 07:30

Sample Number	Sample Description	Matrix	Sampled	Type
3050104-01	MW-13	Ground Water	05/01/13 16:07	Grab
3050104-02	MW-13	Ground Water	05/01/13 17:18	Grab
3050104-03	MW-21	Ground Water	05/01/13 17:42	Grab
3050104-04	MW-21	Ground Water	05/01/13 20:06	Grab
3050104-05	MW-11	Ground Water	05/02/13 09:15	Grab
3050104-06	MW-11	Ground Water	05/02/13 15:51	Grab
3050104-07	MW-10	Ground Water	05/02/13 10:14	Grab
3050104-08	MW-10	Ground Water	05/02/13 11:34	Grab
3050104-09	MW-1A	Ground Water	05/02/13 11:55	Grab
3050104-10	MW-1A	Ground Water	05/02/13 13:34	Grab
3050104-11	MW-12	Ground Water	05/02/13 14:08	Grab
3050104-12	MW-12	Ground Water	05/02/13 14:34	Grab
3050104-13	MW-13	Ground Water	05/01/13 17:22	Grab
3050104-14	MW-21	Ground Water	05/01/13 20:08	Grab
3050104-15	MW-21	Ground Water	05/01/13 20:08	Grab
3050104-16	MW-10	Ground Water	05/02/13 11:37	Grab
3050104-17	MW-10	Ground Water	05/02/13 11:37	Grab
3050104-18	MW-1A	Ground Water	05/02/13 13:38	Grab
3050104-19	MW-1A	Ground Water	05/02/13 13:38	Grab
3050104-20	MW-12	Ground Water	05/02/13 14:38	Grab
3050104-21	MW-12	Ground Water	05/02/13 14:38	Grab
3050104-22	MW-11	Ground Water	05/02/13 15:52	Grab
3050104-23	MW-11	Ground Water	05/02/13 15:52	Grab

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Data

Sample Number 3050104-01
Sample Description MW-13 collected on 05/01/13 16:07

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**17.07**	0.00	Ft	1.00	05/01/13 16:07	-		CGW	B3E0092

Sample Number 3050104-02
Sample Description MW-13 collected on 05/01/13 17:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.1**	0.1	pH Units	1.00	05/01/13 17:18	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**1680**	10.0	umhos/cm	1.00	05/01/13 17:18	EPA 9050A		CGW	B3E0092
Temperature	**14.8**	0.0	°C	1.00	05/01/13 17:18	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	**8.6**	5.0	NTU	1.00	05/01/13 17:18	Field Screen		CGW	B3E0092

Sample Number 3050104-03
Sample Description MW-21 collected on 05/01/13 17:42

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**9.50**	0.00	Ft	1.00	05/01/13 17:42	-		CGW	B3E0092

Sample Number 3050104-04
Sample Description MW-21 collected on 05/01/13 20:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.0**	0.1	pH Units	1.00	05/01/13 20:06	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**2300**	10.0	umhos/cm	1.00	05/01/13 20:06	EPA 9050A		CGW	B3E0092
Temperature	**13.0**	0.0	°C	1.00	05/01/13 20:06	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	ND	5.0	NTU	1.00	05/01/13 20:06	Field Screen		CGW	B3E0092

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Evergreen Packaging 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 3050104 07/02/13 10:55

Sample Number 3050104-05
Sample Description MW-11 collected on 05/02/13 09:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**8.29**	0.00	Ft	1.00	05/02/13 09:15	-		CGW	B3E0092

Sample Number 3050104-06
Sample Description MW-11 collected on 05/02/13 15:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.8**	0.1	pH Units	1.00	05/02/13 15:51	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**78.4**	10.0	umhos/cm	1.00	05/02/13 15:51	EPA 9050A		CGW	B3E0092
Temperature	**11.9**	0.0	°C	1.00	05/02/13 15:51	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	**22.9**	5.0	NTU	1.00	05/02/13 15:51	Field Screen		CGW	B3E0092

Sample Number 3050104-07
Sample Description MW-10 collected on 05/02/13 10:14

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**33.82**	0.00	Ft	1.00	05/02/13 10:14	-		CGW	B3E0092

Sample Number 3050104-08
Sample Description MW-10 collected on 05/02/13 11:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.9**	0.1	pH Units	1.00	05/02/13 11:34	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**35.9**	10.0	umhos/cm	1.00	05/02/13 11:34	EPA 9050A		CGW	B3E0092
Temperature	**13.2**	0.0	°C	1.00	05/02/13 11:34	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	**33.9**	5.0	NTU	1.00	05/02/13 11:34	Field Screen		CGW	B3E0092

Sample Number 3050104-09
Sample Description MW-1A collected on 05/02/13 11:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**61.13**	0.00	Ft	1.00	05/02/13 11:55	-		CGW	B3E0092

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-10
Sample Description MW-1A collected on 05/02/13 13:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.0**	0.1	pH Units	1.00	05/02/13 13:34	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**33.9**	10.0	umhos/cm	1.00	05/02/13 13:34	EPA 9050A		CGW	B3E0092
Temperature	**14.8**	0.0	°C	1.00	05/02/13 13:34	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	**9.0**	5.0	NTU	1.00	05/02/13 13:34	Field Screen		CGW	B3E0092

Sample Number 3050104-11
Sample Description MW-12 collected on 05/02/13 14:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**9.41**	0.00	Ft	1.00	05/02/13 14:08	-		CGW	B3E0092

Sample Number 3050104-12
Sample Description MW-12 collected on 05/02/13 14:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.8**	0.1	pH Units	1.00	05/02/13 14:34	EPA 9040C		CGW	B3E0092
Specific Conductance at 25 C	**332**	10.0	umhos/cm	1.00	05/02/13 14:34	EPA 9050A		CGW	B3E0092
Temperature	**15.8**	0.0	°C	1.00	05/02/13 14:34	SM 2550B-2000		CGW	B3E0092
Turbidity (Field)	ND	5.0	NTU	1.00	05/02/13 14:34	Field Screen		CGW	B3E0092

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-13
Sample Description MW-13 collected on 05/01/13 17:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**23.0**	10.0	mg/L	10.0	05/07/13 04:41	EPA 300.0		DJM	B3E0145
Fluoride	ND	1.00	mg/L	10.0	05/09/13 00:12	EPA 300.0	X	DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:21	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:58	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**419**	400	mg/L	400	05/22/13 16:38	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**1130**	250	mg/L	10.0	05/03/13 14:15	SM 2540C-2011		LDS	B3E0139
Total Organic Carbon	**1.82**	1.00	mg/L	1.00	05/08/13 14:12	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 13:16	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Barium	**0.012**	0.010	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Calcium	**5.4**	0.50	mg/L	5.00	05/03/13 15:33	EPA 200.7		MER	B3E0091
Chromium	**0.003**	0.002	mg/L	1.00	06/19/13 17:39	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Iron	**0.34**	0.050	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Magnesium	**3.6**	0.10	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091
Manganese	**0.68**	0.010	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091
Nickel	ND	0.005	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Potassium	**3.1**	0.50	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:39	EPA 200.8		MER	B3E0093
Sodium	**360**	100	mg/L	200	05/03/13 14:49	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 16:06	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-14
Sample Description MW-21 collected on 05/01/13 20:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**74.6**	10.0	mg/L	10.0	05/07/13 05:04	EPA 300.0		DJM	B3E0145
Fluoride	ND	1.00	mg/L	10.0	05/09/13 00:35	EPA 300.0	X	DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:21	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:55	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**906**	250	mg/L	250	05/22/13 17:02	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**2810**	250	mg/L	10.0	05/03/13 14:15	SM 2540C-2011	P	LDS	B3E0139
Total Organic Carbon	**3.74**	1.00	mg/L	1.00	05/08/13 14:32	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 13:18	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Barium	**0.039**	0.010	mg/L	1.00	05/03/13 16:09	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Calcium	**300**	10	mg/L	100	05/03/13 14:54	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Iron	**17**	1.2	mg/L	25.0	05/03/13 15:10	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Magnesium	**30**	2.5	mg/L	25.0	05/03/13 15:10	EPA 200.7		MER	B3E0091
Manganese	**0.77**	0.010	mg/L	1.00	05/03/13 16:09	EPA 200.7		MER	B3E0091
Nickel	**0.009**	0.005	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Potassium	**17**	0.50	mg/L	1.00	05/03/13 16:09	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:42	EPA 200.8		MER	B3E0093
Sodium	**220**	50	mg/L	100	05/03/13 14:54	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 16:09	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-16
Sample Description MW-10 collected on 05/02/13 11:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	05/07/13 05:27	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/09/13 00:58	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:21	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:59	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**1.89**	1.00	mg/L	1.00	05/17/13 02:00	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**47.0**	25.0	mg/L	1.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	ND	1.00	mg/L	1.00	05/08/13 14:54	SM 5310C-2011		JLF	B3E0172
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/09/13 13:21	EPA 245.1		MER	B3E0274
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Barium	**0.016**	0.010	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Calcium	**2.4**	0.10	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Iron	**0.61**	0.050	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Magnesium	**1.9**	0.10	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Manganese	**0.017**	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Potassium	**1.1**	0.50	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:46	EPA 200.8		MER	B3E0093
Sodium	**1.7**	0.50	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:38	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-18
Sample Description MW-1A collected on 05/02/13 13:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	05/07/13 05:50	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/09/13 01:21	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:21	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:58	SM 4500NO2B-2011		REH	B3E0096
Sulfate	ND	1.00	mg/L	1.00	05/17/13 02:25	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**63.0**	25.0	mg/L	1.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	ND	1.00	mg/L	1.00	05/14/13 06:38	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 09:57	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Barium	**0.055**	0.010	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Calcium	**2.5**	0.10	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Chromium	ND	0.002	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Iron	**0.24**	0.050	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Magnesium	**0.99**	0.10	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Manganese	**0.020**	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Potassium	**1.2**	0.50	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 18:19	EPA 200.8		MER	B3E0093
Sodium	**2.3**	0.50	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 14:21	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-20
Sample Description MW-12 collected on 05/02/13 14:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**15.3**	2.00	mg/L	2.00	05/07/13 06:13	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/09/13 01:44	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	**2.36**	0.10	mg/L	1.00	05/15/13 11:32	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 11:58	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**50.2**	10.0	mg/L	10.0	05/17/13 02:50	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**258**	50.0	mg/L	2.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	ND	1.00	mg/L	1.00	05/14/13 07:37	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:11	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Barium	**0.047**	0.010	mg/L	1.00	05/03/13 15:47	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Calcium	**18**	2.0	mg/L	20.0	05/03/13 15:17	EPA 200.7		MER	B3E0091
Chromium	**0.003**	0.002	mg/L	1.00	06/19/13 18:09	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Iron	ND	0.050	mg/L	1.00	05/03/13 15:47	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Magnesium	**11**	2.0	mg/L	20.0	05/03/13 15:17	EPA 200.7		MER	B3E0091
Manganese	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Potassium	**4.1**	0.50	mg/L	1.00	05/03/13 15:47	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 18:09	EPA 200.8		MER	B3E0093
Sodium	**27**	10	mg/L	20.0	05/03/13 15:17	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 15:47	EPA 200.7		MER	B3E0091

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-22
Sample Description MW-11 collected on 05/02/13 15:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.25**	1.00	mg/L	1.00	05/07/13 07:22	EPA 300.0		DJM	B3E0145
Fluoride	ND	0.10	mg/L	1.00	05/09/13 02:07	EPA 300.0		DJM	B3E0146
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/15/13 11:32	SM 4500NO3H-2011		REH	B3E0440
Nitrite as N	ND	0.010	mg/L	1.00	05/03/13 12:59	SM 4500NO2B-2011		REH	B3E0096
Sulfate	**9.93**	2.00	mg/L	2.00	05/17/13 03:15	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**67.0**	25.0	mg/L	1.00	05/08/13 13:00	SM 2540C-2011		LDS	B3E0219
Total Organic Carbon	**1.41**	1.00	mg/L	1.00	05/14/13 07:56	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/07/13 10:00	EPA 420.1		DJM	B3E0168
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:14	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Barium	**0.026**	0.010	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Cadmium	ND	0.0010	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Calcium	**1.7**	0.10	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Chromium	**0.003**	0.002	mg/L	1.00	06/19/13 17:49	EPA 200.8	Z	MER	B3E0093
Copper	ND	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Iron	**0.76**	0.050	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Lead	ND	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Magnesium	**2.8**	0.10	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Manganese	**0.009**	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Nickel	ND	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Potassium	**0.81**	0.50	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Selenium	ND	0.005	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Silver	ND	0.002	mg/L	1.00	06/19/13 17:49	EPA 200.8		MER	B3E0093
Sodium	**1.6**	0.50	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091
Zinc	ND	0.020	mg/L	1.00	05/03/13 14:33	EPA 200.7		MER	B3E0091

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Subcontracted Analyses

Sample Number 3050104-15
Sample Description MW-21 collected on 05/01/13 20:08

Parameter

Subcontract TOH

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

Sample Number 3050104-17
Sample Description MW-10 collected on 05/02/13 11:37

Parameter

Subcontract TOH

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

Sample Number 3050104-19
Sample Description MW-1A collected on 05/02/13 13:38

Parameter

Subcontract TOH

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

Sample Number 3050104-21
Sample Description MW-12 collected on 05/02/13 14:38

Parameter

Subcontract TOH

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Number 3050104-23
Sample Description MW-11 collected on 05/02/13 15:52

Parameter

Subcontract TOH

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

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Evergreen Packaging 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 3050104 07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0096 - General Prep - Wet Chem										
Blank (B3E0096-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0096-BS1)										
Nitrite as N	0.515	0.010	mg/L	0.500		103	85-115			
Matrix Spike (B3E0096-MS1)	**Source: 3050103-15**									
Nitrite as N	0.263	0.010	mg/L	0.250	ND	105	80-120			
Matrix Spike Dup (B3E0096-MSD1)	**Source: 3050103-15**									
Nitrite as N	0.262	0.010	mg/L	0.250	ND	105	80-120	0.3	20	
Batch B3E0139 - General Prep - Solids										
Blank (B3E0139-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
LCS (B3E0139-BS1)										
Total Dissolved Solids	2020	25.0	mg/L	2020		100	80-120			
Duplicate (B3E0139-DUP1)	**Source: 3050104-14**									
Total Dissolved Solids	2330	250	mg/L		2810			19	15	P
Batch B3E0145 - General Prep - IC										
Blank (B3E0145-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0145-BS1)										
Chloride	4.74	1.00	mg/L	5.00		95	90-110			
Duplicate (B3E0145-DUP1)	**Source: 3050045-06RE1**									
Chloride	178	50.0	mg/L		176			2	20	

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0145 - General Prep - IC										
Duplicate (B3E0145-DUP2)	**Source: 3050060-19RE1**									
Chloride	ND	25.0	mg/L		ND				20	
Duplicate (B3E0145-DUP3)	**Source: 3050103-35**									
Chloride	29.3	10.0	mg/L		30.2			3	20	
Matrix Spike (B3E0145-MS1)	**Source: 3050045-06RE1**									
Chloride	330	50.0	mg/L	150	176	103	90-110			
Matrix Spike (B3E0145-MS2)	**Source: 3050060-19RE1**									
Chloride	76.4	25.0	mg/L	75.0	ND	77	90-110			S1
Matrix Spike (B3E0145-MS3)	**Source: 3050103-35**									
Chloride	58.4	10.0	mg/L	30.0	30.2	94	90-110			
Batch B3E0146 - General Prep - IC										
Blank (B3E0146-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0146-BS1)										
Fluoride	0.49	0.10	mg/L	0.500		97	90-110			
Duplicate (B3E0146-DUP1)	**Source: 3050103-19**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B3E0146-DUP2)	**Source: 3050103-40**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B3E0146-MS1)	**Source: 3050103-19**									
Fluoride	0.24	0.10	mg/L	0.300	ND	71	90-110			S1
Matrix Spike (B3E0146-MS2)	**Source: 3050103-40**									
Fluoride	0.31	0.10	mg/L	0.300	ND	92	90-110			

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Evergreen Packaging 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 3050104 07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0168 - General Prep - Phenol										
Blank (B3E0168-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Blank (B3E0168-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B3E0168-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
LCS (B3E0168-BS2)										
Total Recoverable Phenols	0.039	0.005	mg/L	0.0400		98	90-110			
Duplicate (B3E0168-DUP1)	**Source: 3050060-09**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0168-DUP2)	**Source: 3050060-15**									
Total Recoverable Phenols	ND	0.005	mg/L		0.005				20	P3
Duplicate (B3E0168-DUP3)	**Source: 3050103-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0168-MS1)	**Source: 3050060-09**									
Total Recoverable Phenols	0.035	0.005	mg/L	0.0400	ND	83	75-125			
Matrix Spike (B3E0168-MS2)	**Source: 3050060-15**									
Total Recoverable Phenols	0.033	0.005	mg/L	0.0400	0.005	71	75-125			S1
Matrix Spike (B3E0168-MS3)	**Source: 3050103-15**									
Total Recoverable Phenols	0.038	0.005	mg/L	0.0400	ND	90	75-125			
Batch B3E0172 - General Prep - TOC										
Blank (B3E0172-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0172 - General Prep - TOC										
LCS (B3E0172-BS1)										
Total Organic Carbon	4.94		mg/L	5.00		99	85-115			
Matrix Spike (B3E0172-MS1)	**Source: 3050103-31**									
Total Organic Carbon	3.88		mg/L	3.75	ND	97	80-120			
Matrix Spike Dup (B3E0172-MSD1)	**Source: 3050103-31**									
Total Organic Carbon	3.84		mg/L	3.75	ND	96	80-120	1	15	
Batch B3E0219 - General Prep - Solids										
Blank (B3E0219-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
Duplicate (B3E0219-DUP1)	**Source: 3050103-26**									
Total Dissolved Solids	3380	250	mg/L		3460			2	15	
Batch B3E0280 - General Prep - TOC										
Blank (B3E0280-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B3E0280-BS1)										
Total Organic Carbon	3.99		mg/L	4.00		100	85-115			
Matrix Spike (B3E0280-MS1)	**Source: 3050104-18**									
Total Organic Carbon	3.93		mg/L	3.75	ND	100	80-120			
Matrix Spike (B3E0280-MS2)	**Source: 3050196-14**									
Total Organic Carbon	4.03		mg/L	3.75	ND	94	80-120			
Matrix Spike Dup (B3E0280-MSD1)	**Source: 3050104-18**									
Total Organic Carbon	3.84		mg/L	3.75	ND	98	80-120	2	15	

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0280 - General Prep - TOC										
Matrix Spike Dup (B3E0280-MSD2)	**Source: 3050196-14**									
Total Organic Carbon	4.08		mg/L	3.75	ND	95	80-120	1	15	
Batch B3E0435 - General Prep - IC										
Blank (B3E0435-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0435-BS1)										
Sulfate	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0435-DUP3)	**Source: 3050103-42**									
Sulfate	13.7	5.00	mg/L		14.1			3	20	
Duplicate (B3E0435-DUP4)	**Source: 3050313-01**									
Sulfate	99.6	20.0	mg/L		100			0.7	20	
Matrix Spike (B3E0435-MS3)	**Source: 3050103-42**									
Sulfate	28.5	5.00	mg/L	15.0	14.1	96	90-110			
Matrix Spike (B3E0435-MS4)	**Source: 3050313-01**									
Sulfate	162	20.0	mg/L	60.0	100	102	90-110			
Batch B3E0440 - General Prep - Wet Chem KL										
Blank (B3E0440-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0440-BS1)										
Nitrate-Nitrite as N	1.86	0.10	mg/L	2.00		93	85-115			
Matrix Spike (B3E0440-MS1)	**Source: 3050122-01**									
Nitrate-Nitrite as N	2.14	0.10	mg/L	1.25	0.84	104	75-125			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0440 - General Prep - Wet Chem KL										
Matrix Spike Dup (B3E0440-MSD1)	**Source: 3050122-01**									
Nitrate-Nitrite as N	2.25	0.10	mg/L	1.25	0.84	113	75-125	5	20	
Batch B3E0660 - General Prep - IC										
Blank (B3E0660-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0660-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			
Duplicate (B3E0660-DUP1)	**Source: 3050439-01RE1**									
Sulfate	74.3	20.0	mg/L		76.6			3	20	
Duplicate (B3E0660-DUP2)	**Source: 3050489-01**									
Sulfate	78.1	20.0	mg/L		79.7			2	20	
Matrix Spike (B3E0660-MS1)	**Source: 3050439-01RE1**									
Sulfate	133	20.0	mg/L	60.0	76.6	94	90-110			
Matrix Spike (B3E0660-MS2)	**Source: 3050489-01**									
Sulfate	136	20.0	mg/L	60.0	79.7	94	90-110			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Blank (B3E0091-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0091-BS1)										
Barium	1.0	0.010	mg/L	1.00		101	85-115			
Calcium	1.0	0.10	mg/L	1.00		101	85-115			
Iron	1.0	0.050	mg/L	1.00		101	85-115			
Magnesium	1.0	0.10	mg/L	1.00		100	85-115			
Manganese	1.0	0.010	mg/L	1.00		101	85-115			
Potassium	10	0.50	mg/L	10.0		102	85-115			
Sodium	1.0	0.50	mg/L	1.00		100	85-115			
Zinc	1.0	0.020	mg/L	1.00		100	85-115			
Duplicate (B3E0091-DUP1)	**Source: 3050104-18**									
Barium	0.054	0.010	mg/L		0.055			1	20	
Calcium	2.5	0.10	mg/L		2.5			2	20	
Iron	0.22	0.050	mg/L		0.24			6	20	
Magnesium	0.99	0.10	mg/L		0.99			0.8	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.2	0.50	mg/L		1.2			2	20	
Sodium	2.3	0.50	mg/L		2.3			0.8	20	
Zinc	ND	0.020	mg/L		ND				20	
Duplicate (B3E0091-DUP2)	**Source: 3050104-22**									
Barium	0.026	0.010	mg/L		0.026			0.04	20	
Calcium	1.7	0.10	mg/L		1.7			0.03	20	
Iron	0.73	0.050	mg/L		0.76			4	20	
Magnesium	2.8	0.10	mg/L		2.8			0.8	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	0.81	0.50	mg/L		0.81			0.2	20	

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Duplicate (B3E0091-DUP2)	**Source: 3050104-22**									
Sodium	1.6	0.50	mg/L		1.6			0.3	20	
Zinc	ND	0.020	mg/L		ND				20	
Matrix Spike (B3E0091-MS1)	**Source: 3050104-18**									
Barium	1.0	0.010	mg/L	1.00	0.055	98	70-130			
Calcium	3.5	0.10	mg/L	1.00	2.5	94	70-130			
Iron	1.2	0.050	mg/L	1.00	0.24	98	70-130			
Magnesium	2.0	0.10	mg/L	1.00	0.99	98	70-130			
Manganese	0.99	0.010	mg/L	1.00	ND	99	70-130			
Potassium	11	0.50	mg/L	10.0	1.2	100	70-130			
Sodium	3.2	0.50	mg/L	1.00	2.3	89	70-130			
Zinc	0.97	0.020	mg/L	1.00	ND	97	70-130			
Matrix Spike (B3E0091-MS2)	**Source: 3050104-22**									
Barium	1.0	0.010	mg/L	1.00	0.026	99	70-130			
Calcium	2.7	0.10	mg/L	1.00	1.7	103	70-130			
Iron	1.7	0.050	mg/L	1.00	0.76	90	70-130			
Magnesium	3.8	0.10	mg/L	1.00	2.8	100	70-130			
Manganese	1.0	0.010	mg/L	1.00	ND	100	70-130			
Potassium	11	0.50	mg/L	10.0	0.81	101	70-130			
Sodium	2.5	0.50	mg/L	1.00	1.6	88	70-130			
Zinc	0.99	0.020	mg/L	1.00	ND	98	70-130			
Post Spike (B3E0091-PS1)	**Source: 3050104-18**									
Barium	1.0		mg/L	1.00	0.055	98	85-115			
Calcium	3.5		mg/L	1.00	2.5	100	85-115			
Iron	1.2		mg/L	1.00	0.24	98	85-115			
Magnesium	2.0		mg/L	1.00	0.99	98	85-115			
Manganese	1.0		mg/L	1.00	ND	99	85-115			
Potassium	11		mg/L	10.0	1.2	101	85-115			
Sodium	3.2		mg/L	1.00	2.3	90	85-115			
Zinc	0.97		mg/L	1.00	ND	97	85-115			
Post Spike (B3E0091-PS2)	**Source: 3050104-22**									
Barium	1.0		mg/L	1.00	0.026	98	85-115			
Calcium	2.8		mg/L	1.00	1.7	105	85-115			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0091 - SM 3030C - ICP										
Post Spike (B3E0091-PS2)	**Source: 3050104-22**									
Iron	1.6		mg/L	1.00	0.76	87	85-115			
Magnesium	3.8		mg/L	1.00	2.8	100	85-115			
Manganese	1.0		mg/L	1.00	ND	99	85-115			
Potassium	11		mg/L	10.0	0.81	101	85-115			
Sodium	2.5		mg/L	1.00	1.6	89	85-115			
Zinc	0.98		mg/L	1.00	ND	97	85-115			
Batch B3E0093 - EPA 200.8 Mod										
Blank (B3E0093-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	0.002	0.002	mg/L							Z
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0093-BS1)										
Arsenic	0.019	0.005	mg/L	0.0200		94	85-115			
Cadmium	0.019	0.0010	mg/L	0.0200		95	85-115			
Chromium	0.022	0.002	mg/L	0.0200		109	85-115			
Copper	0.019	0.005	mg/L	0.0200		93	85-115			
Lead	0.019	0.005	mg/L	0.0200		94	85-115			
Manganese	0.019	0.005	mg/L	0.0200		97	85-115			
Nickel	0.019	0.005	mg/L	0.0200		95	85-115			
Selenium	0.019	0.005	mg/L	0.0200		94	85-115			
Silver	0.019	0.002	mg/L	0.0200		95	85-115			
Matrix Spike (B3E0093-MS1)	**Source: 3050103-15**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	97	70-130			
Cadmium	0.019	0.0010	mg/L	0.0200	ND	96	70-130			
Chromium	0.023	0.002	mg/L	0.0200	0.004	94	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	93	70-130			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0093 - EPA 200.8 Mod										
Matrix Spike (B3E0093-MS1)	**Source: 3050103-15**									
Lead	0.019	0.005	mg/L	0.0200	ND	93	70-130			
Manganese	0.021	0.005	mg/L	0.0200	0.005	81	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	91	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	95	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	94	70-130			
Matrix Spike (B3E0093-MS2)	**Source: 3050103-31**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Cadmium	0.020	0.0010	mg/L	0.0200	ND	98	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.003	96	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Manganese	0.052	0.005	mg/L	0.0200	0.031	101	70-130			
Nickel	0.020	0.005	mg/L	0.0200	ND	96	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	96	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130			
Matrix Spike Dup (B3E0093-MSD1)	**Source: 3050103-15**									
Arsenic	0.018	0.005	mg/L	0.0200	ND	92	70-130	5	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	94	70-130	2	20	
Chromium	0.023	0.002	mg/L	0.0200	0.004	94	70-130	0.1	20	
Copper	0.019	0.005	mg/L	0.0200	ND	89	70-130	4	20	
Lead	0.018	0.005	mg/L	0.0200	ND	92	70-130	1.30	20	
Manganese	0.021	0.005	mg/L	0.0200	0.005	81	70-130	0.1	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	90	70-130	0.4	20	
Selenium	0.019	0.005	mg/L	0.0200	ND	91	70-130	4	20	
Silver	0.019	0.002	mg/L	0.0200	ND	93	70-130	0.2	20	
Matrix Spike Dup (B3E0093-MSD2)	**Source: 3050103-31**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	95	70-130	4	20	
Cadmium	0.019	0.0010	mg/L	0.0200	ND	96	70-130	2	20	
Chromium	0.021	0.002	mg/L	0.0200	0.003	89	70-130	6	20	
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130	4	20	
Lead	0.018	0.005	mg/L	0.0200	ND	91	70-130	3.53	20	
Manganese	0.050	0.005	mg/L	0.0200	0.031	95	70-130	3	20	
Nickel	0.020	0.005	mg/L	0.0200	ND	93	70-130	4	20	

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0093 - EPA 200.8 Mod										
Matrix Spike Dup (B3E0093-MSD2)	**Source: 3050103-31**									
Selenium	0.020	0.005	mg/L	0.0200	ND	93	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	94	70-130	2	20	
Post Spike (B3E0093-PS1)	**Source: 3050103-15**									
Arsenic	0.023		mg/L	0.0250	ND	92	75-125			
Cadmium	0.023		mg/L	0.0250	ND	92	75-125			
Chromium	0.027		mg/L	0.0250	0.004	93	75-125			
Copper	0.023		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	90	75-125			
Manganese	0.028		mg/L	0.0250	0.005	92	75-125			
Nickel	0.025		mg/L	0.0250	ND	90	75-125			
Selenium	0.024		mg/L	0.0250	ND	92	75-125			
Silver	0.023		mg/L	0.0250	ND	93	75-125			
Post Spike (B3E0093-PS2)	**Source: 3050103-31**									
Arsenic	0.024		mg/L	0.0250	ND	97	75-125			
Cadmium	0.023		mg/L	0.0250	ND	93	75-125			
Chromium	0.026		mg/L	0.0250	0.003	90	75-125			
Copper	0.023		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	90	75-125			
Manganese	0.054		mg/L	0.0250	0.031	92	75-125			
Nickel	0.024		mg/L	0.0250	ND	91	75-125			
Selenium	0.024		mg/L	0.0250	ND	90	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Batch B3E0274 - EPA 245.1										
Blank (B3E0274-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B3E0274-BS1)										
Mercury	0.0053	0.00020	mg/L	0.00500		107	85-115			

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ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0274 - EPA 245.1										
Duplicate (B3E0274-DUP1)	**Source: 3050057-06**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0274-DUP2)	**Source: 3050060-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0274-MS1)	**Source: 3050057-06**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0274-MS2)	**Source: 3050060-21**									
Mercury	0.0047	0.00020	mg/L	0.00500	ND	93	70-130			
Batch B3E0512 - EPA 245.1										
Blank (B3E0512-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B3E0512-BS1)										
Mercury	0.0049	0.00020	mg/L	0.00500		98	85-115			
Duplicate (B3E0512-DUP1)	**Source: 3050104-18**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0512-DUP2)	**Source: 3050198-04**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0512-MS1)	**Source: 3050104-18**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0512-MS2)	**Source: 3050198-04**									
Mercury	0.0044	0.00020	mg/L	0.00500	ND	89	70-130			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0093	3050104-13	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050104-14	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050104-16	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050104-18	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050104-20	05/03/2013 10:13	DER
EPA 200.8 Mod	B3E0093	3050104-22	05/03/2013 10:13	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0274	3050104-13	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050104-14	05/07/2013 09:32	MER
EPA 245.1	B3E0274	3050104-16	05/07/2013 09:32	MER
EPA 245.1	B3E0512	3050104-18	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050104-20	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050104-22	05/16/2013 09:10	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0091	3050104-13	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050104-14	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050104-16	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050104-18	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050104-20	05/03/2013 10:14	MER
SM 3030C - ICP	B3E0091	3050104-22	05/03/2013 10:14	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050104
Canton, NC 28716		Reported:	07/02/13 10:55

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P	The RPD between the sample / duplicate or matrix spike / spike duplicate was not within control limits.
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.
Z	Chromium was detected in the method blank at 0.002 mg/L.

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3030107

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: Evergreen Packaging
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	P	G	P	
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	250 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	hRU
Lab Receipt pH Check	12	12	NA	12	12		12	5.3.13
Preserved (Code)	B	B	A	C	I	B	C	

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

Rogers & Callcott Lab No.	Yr.13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: metals*	metals**	Chloride, Florida, TDS, Nitrite, Sulfate	phenols	TOC	TOX ⊗	NO3	COMMENTS
-13	5/01	1722	MW-13	7	1	1	1	1	1	*** 5/02/13	1	***Broken in Lab - will resample @ later date.
-14	1	2008	MW-21	7	1	1	1	1	1	1-15	1	*As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
-16	5/02	1137	MW-10	7	1	1	1	1	1	1-17	1	Mg, Mn, Ni, K, Se, Ag, Na, Zn, ~~Hg~~ CDW 5/02/13
-18	1	1338	MW-1A	7	1	1	1	1	1	1-19	1	**Hg
-20	1	1438	MW-12	7	1	1	1	1	1	1-21	1	Field Data Collected
-22	1	1582 CDW 5/02/13	MW-11	7	1	1	1	1	1	1-23	1	-01 through -12
												⊗ Subcontracted

SAMPLER Relinquished by (Sig.) ① Carmen Godwin	Date/Time 5/02/13 1900	Received by (Sig.) ② Secure Area Shipper Name & #	Date/Time
Relinquished by (Sig.) ③ Secure Area	Date/Time	Received by (Sig.) ④ [signature] Shipper Name & #	Date/Time 5.3.13 0730
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # ot'chd by ◯ Recvd. Intact by ◯		Seal # ot'chd by ◯ Recvd. Intact by ◯	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection: 1.0 CDW 5/02/13 °C
At time of lab receipt: 1.2 °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-13

Date: 5/01/13 Field Personnel: CDW

Site Name/Location: Evergreen Packaging - Canton NC

Weather Conditions/~Temp: Cloudy 163 °F

Page 1 of 4

Method of Well Evacuation or Sample Collection

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

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

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): 17.07 @ 1607
Total Depth of Well (b): 39.79
Length of Water Column in Well (b-a): 22.72
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	3.7	
3 Casing Vol	11.1	11.1

Circle One that Applies

Measuring Point: FOC / 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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/01/13	1615	-	NA	17.07	0.0	7.04	16.3	1991			1	14.6	
	1636	1	0.18	19.52	3.7	6.99	16.0	1760			1	<5	
	1657	2	0.18	19.23	7.4	7.03	14.8	1710			1	11.5	
	~~1518~~ 1718	3	0.18	19.48	11.1	7.06	14.8	1685			1	8.60	
	CDW 5/1/13	4											
		5											CDW 5/1/13
		6											
		7											

* 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: ~~1715~~ 22 metals - CDW 5/1/13 metals - ~~15~~ 22 17 CDW 5/1/13 Cl, Fl, TDS, NO_2, SO_4 - ~~15~~ 1722 CDW 5/1/13 Phenols - 1722 TOC - 1722 TOX - 1722 NO_3 - 1722

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-21

Date: 5/1/13 Field Personnel: CJW

Site Name/Location: Evergreen Pkg. - Canton, NC

Weather Conditions/~Temp: Cloudy + 63 °F

Method of Well Evacuation or Sample Collection

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

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

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): ~~7.42~~ 9.50 @ ~~1742~~ CJW 5/1/13
Total Depth of Well (b): 28.76
Length of Water Column in Well (b-a): 19.26
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	12.6	
3 Casing Vol	37.8	37.8

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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/1/13	1745	-	NA	9.50	0.0	7.16	16.0	2102			1	11.0	
	1832	1	0.26	12.02	12.6	6.93	13.7	2253			1	<5	
	1919	2	0.26	13.03	25.2	6.98	13.2	2279			1	<5	
	2006	3	0.26	13.58	37.8	7.00	13.0	2302			1	<5	
		4											
		5											
		6											
		7											

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

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

Sample Collection Time: metals - 2008 metals - 2008 Cl, Fl, TDS, NO_2, SO_4 - 2008 Phenols - 2008 TOC - 2008 TOX - 2008 NO_3 - 2008

Comments:

Revised 1-10-13

Rogers and Callcott Environmental

Field Meter Calibration Record

Client: ~~BRPC~~ Evergreen Packaging (CBW 5/01/13) Date: 5/01/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion Star A325 SN: 601769 Probe: QP1-12000

Time: 0828 Analyst: CBW Cell Constant 0.484

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.50	21.2
P301864	99.9		100.6	21.2
P301861	998		1006	21.2
P301087	SSS conc:	447	450.3	21.2

Temperature compensation for pH / conductivity meter : 0.0

pH Calibration - EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time: 0826 Analyst: CBW Slope: 98.9

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.04
P204625	7.0		7.03
P204626	10.0		10.06
P204624	SSS conc:	4.0	4.0

Turbidity Meter Calibration Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/01/13

Time: 0830 Analyst: CBW

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
P30993	(0-10) 4.44	4.69
P301994	(0-100) 50.2	47.3
P301995	(0-1000) 429	432

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers and Callcott Environmental

Continuing Calibration Verification

Client: ~~BRPC~~ Evergreen Packaging (CRW 5/01/13)

Date: 5/01/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion Star A325 SN: 801769 Probe: QP1-12000

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1256	CRW	99.9	101.82 @ 21.4 °C
2011	CRW	998	1001 @ 20.5 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1255	CRW	7.0	7.03
2010	CRW	4.0	4.01

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1255	CRW	(0-100) 50.2	47.6
2010	CRW	(0-10) 4.44	4.51

Field Duplicate

Well ID: MW-13

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1719 ~~1519~~ CRW 5/1/13	CRW	1683	7.09	5.96	14.2

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

Reviewed by: _____ Date: _____

Revised 01/21/13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-11

Date: 5/02/13 Field Personnel: CGW

Site Name/Location: Evergreen Packaging-Canton, NC Weather Conditions/~Temp: Cloudy, 53 °F Page 1 of 6

Method of Well Evacuation or Sample Collection

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

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

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): 8.29 @ 0915
Total Depth of Well (b): 21.91
Length of Water Column in Well (b-a): 13.62
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	2.2	
3 Casing Vol	6.6	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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/02/13	0920	-	NA	8.29	0.0	6.01	11.4	111.22			1	53.9	
	0925	1	NA	NA	2.2	5.68	11.5	46.53			1	497	
	0928	2	NA	NA	0.8	5.70	11.5	42.44			1	648	Dry
	1551	3	NA	NA	Sample	5.79	11.9	78.40			1	22.9	sample
		4											
		5											CGW 5/02/13
		6											
		7											

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

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

Sample Collection Time: metals - 1552 ; Cl, Fl, TDS, NO_2; SO_4 - 1552 ; Phenols - 1552; TOC - 1552; TOX - 1552 ; NO_3 - 1552

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-10

Date: 5/02/13 Field Personnel: CBW

Site Name/Location: Evergreen Packaging - Canton, NC Weather Conditions/~Temp: Cloudy, 55 °F Page 2 of 6

Method of Well Evacuation or Sample Collection

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

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

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): 33.82 @ 1014
Total Depth of Well (b): 75.76
Length of Water Column in Well (b-a): 41.94
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	6.8	
3 Casing Vol	20.4	34.0

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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/02/13	1020	-	0.49	33.82	0.0	6.10	12.6	57.42			1	8.39	
	1034	1	0.49	34.39	6.8	6.06	12.7	38.15			1	84.3	
	1048	2	0.49	34.21	13.6	5.89	12.9	36.16			1	50.9	
	1103	3	0.45	38.90	20.4	5.88	13.0	35.26			1	503	
	1115	4	0.57	39.01	27.2	5.88	13.3	35.61			1	66.5	
	1134	5	0.36	38.95	34.0	5.89	13.2	35.91			1	33.9	
		6											(CBW) 5/02/13
		7											

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

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

Sample Collection Time: metals - 1137 ; Cl, Fl, TDS, NO_2, SO_4 - 1137 ; Phenols - 1137 ; TOC - 1137 ; TOX - 1137 NO_3 1137

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-1A

Date: 5/02/13 Field Personnel: COOW-JHF

Site Name/Location: Evergreen Packaging

Weather Conditions/~Temp: Cloudy 57 °F Page 3 of 6

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☒ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 61.13 @ 1155
Total Depth of Well (b): 72.27
Length of Water Column in Well (b-a): 11.14
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	1.8	
3 Casing Vol	5.4	7.2

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / Broken
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/02/13	1305	-	NA	61.13	0.0	5.96	14.4	38.42			1	73.6	
	1313	1	0.23	62.93	1.8	5.53	14.1	36.51			1	99.5	
	1320	2	0.26	63.23	2.6	5.95	14.3	34.04			1	28.2	
	1327	3	0.26	63.62	5.4	5.90	14.4	34.15			1	12.2	
	1334	4	0.26	63.62	7.2	6.00	14.8	33.88			1	9.02	
		5											
		6											OJW
		7											5/02/13

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

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

Sample Collection Time: metals 1338; Cl, Fl, TDS, NO_2, SO_4 - 1338; Phenols - 1338; TOC - 1338; TOX - 1338 NO_3 - 1338

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-12

Date: 5/02/13 Field Personnel: CCW - JHF

Site Name/Location: Evergreen Packaging Weather Conditions/~Temp: Partly Cloudy, 59 °F Page 4 of 6

Method of Well Evacuation or Sample Collection

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 9.41 @ 1408
Total Depth of Well (b): 29.54
Length of Water Column in Well (b-a): 20.13
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	3.3	
3 Casing Vol	9.9	9.9

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/02/13	1413 ~~1410~~ 5/2/13		0.47	9.41	0.0	5.86	16.9	354.06			1	<5	
	1420	1	0.47	11.12	3.3	5.86	15.2	329.06			1	8.56	
	1427	2	0.47	11.50	6.6	5.81	15.0	326.13			1	6.07	
	1434	3	0.47	11.55	9.9	5.85	15.8	331.82			1	<5	
		4											
		5											
		6											
		7											

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

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

Sample Collection Time: metals 1438 ; Cl, Fl, TDS, NO_2, SO_4 - 1438 ; Phenols - 1438 ; TOC - 1438 ; TOX - 1438 ; NO_3 - 1438

Comments:

Revised 1-10-13

Rogers and Callcott Environmental

Field Meter Calibration Record

Client: Evergreen Packaging **Date:** 5/02/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion Star A325 SN: G017769 Probe: QP1-12000

Time: 0906 Analyst: CBW Cell Constant 0.486

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	@ Temperature, °C
P300505	9.69		9.52	20.5
P301864	99.9		100.3	20.5
P301861	998		1004	21.0
P301087	SSS conc:	447	453.2	21.0

Temperature compensation for pH / conductivity meter : _____

pH Calibration - EPA 9040C

Meter Make / Model: Orion Star A325 Probe: R21-10612

Time: 0905 Analyst: CBW Slope: 99.4

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.02
P204625	7.0		7.04
P204626	10.0		10.05
P204624	SSS conc:	4.0	4.0

Turbidity Meter Calibration Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/01/13

Time: 0904 Analyst: CBW

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301993	(0-10)	4.44	4.58
P301994	(0-100)	50.2	49.3
P301994	(0-1000)	429	431

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers and Callcott Environmental

Continuing Calibration Verification

Client: Evergreen Packaging Date: 5/02/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion Star A325 SN: G01769 Probe: QRC-12000

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1246	CDW	99.9	103.4 @ 20.6 °C
1608	CDW	998	CDW 5/02/13 ~~998~~ 1006 @ 21.5 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZL-10612

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1245	CDW	7.0	6.95
1607	CDW	4.0	3.99

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1245	CDW	(0-100) 50.2	47.8
1607	CDW	(0-10) 4.44	4.69

Field Duplicate

CDW 5/02/13

Well ID: MW-~~14~~/12

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1435	CDW	323.56	5.82	<5	15.4

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

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN Date Received: 5.3.13 Work Order: 3050104

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

Tracking Number: _____

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

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

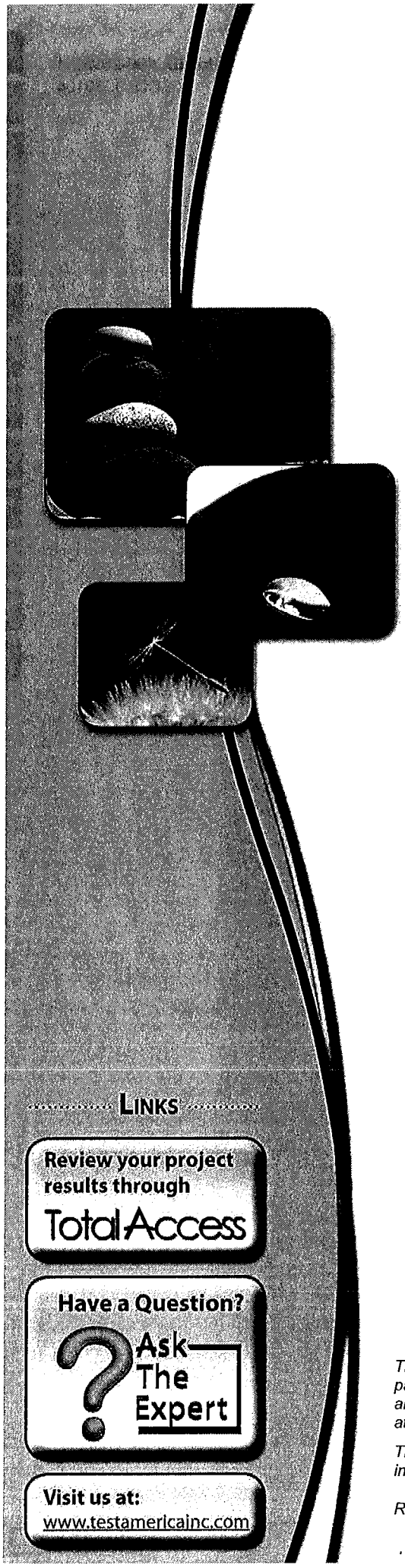
Comments: MW-13 TOX bottle broken in lab. Resampled on 5.6

Were non-conformance issues noted at sample receipt? Yes or (No)

Non-Conformance issue:

Revised November 2012

Completed by: HRU



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26282-1
TestAmerica Sample Delivery Group: 3050104
Client Project/Site: Rogers & Calcott - NC

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:18:18 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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QC Association 12
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Method Summary 14
Certification Summary 15
Chain of Custody 16
Receipt Checklists 18

Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26282-1	3050104-15 MW-21	GW	05/01/13 20:08	05/10/13 09:00
490-26282-2	3050104-17 MW-10	GW	05/02/13 11:37	05/10/13 09:00
490-26282-3	3050104-19 MW-1A	GW	05/02/13 13:38	05/10/13 09:00
490-26282-4	3050104-21 MW-12	GW	05/02/13 14:38	05/10/13 09:00
490-26282-5	3050104-23 MW-11	GW	05/02/13 15:52	05/10/13 09:00

Job ID: 490-26282-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26282-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 79927.

Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 80507.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-15 MW-21
Date Collected: 05/01/13 20:08
Date Received: 05/10/13 09:00

Lab Sample ID: 490-26282-1
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0339		0.0300		mg/L			05/14/13 08:59	1

TestAmerica Nashville

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-17 MW-10
Date Collected: 05/02/13 11:37
Date Received: 05/10/13 09:00

Lab Sample ID: 490-26282-2
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-19 MW-1A

Lab Sample ID: 490-26282-3

Date Collected: 05/02/13 13:38
Matrix: GW
Date Received: 05/10/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-21 MW-12
Date Collected: 05/02/13 14:38
Date Received: 05/10/13 09:00

Lab Sample ID: 490-26282-4
Matrix: GW

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/17/13 09:38	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-23 MW-11

Lab Sample ID: 490-26282-5

Date Collected: 05/02/13 15:52
Matrix: GW
Date Received: 05/10/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0848		0.0300		mg/L			05/17/13 09:38	1

TestAmerica Nashville

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-79927/5
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/14/13 08:59	1

Lab Sample ID: LCS 490-79927/4
Matrix: Water
Analysis Batch: 79927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2334		mg/L		93	90 - 110

Lab Sample ID: MB 490-80507/5
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/17/13 09:38	1

Lab Sample ID: LCS 490-80507/4
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2359		mg/L		94	90 - 110

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

General Chemistry

Analysis Batch: 79927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26282-1	3050104-15 MW-21	Total/NA	GW	9020B	
490-26282-2	3050104-17 MW-10	Total/NA	GW	9020B	
490-26282-3	3050104-19 MW-1A	Total/NA	GW	9020B	
LCS 490-79927/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-79927/5	Method Blank	Total/NA	Water	9020B	

Analysis Batch: 80507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26282-4	3050104-21 MW-12	Total/NA	GW	9020B	
490-26282-5	3050104-23 MW-11	Total/NA	GW	9020B	
LCS 490-80507/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-80507/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Client Sample ID: 3050104-15 MW-21

Lab Sample ID: 490-26282-1
Matrix: GW

Date Collected: 05/01/13 20:08
Date Received: 05/10/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050104-17 MW-10

Lab Sample ID: 490-26282-2
Matrix: GW

Date Collected: 05/02/13 11:37
Date Received: 05/10/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050104-19 MW-1A

Lab Sample ID: 490-26282-3
Matrix: GW

Date Collected: 05/02/13 13:38
Date Received: 05/10/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	79927	05/14/13 08:59	JF	TAL NSH

Client Sample ID: 3050104-21 MW-12

Lab Sample ID: 490-26282-4
Matrix: GW

Date Collected: 05/02/13 14:38
Date Received: 05/10/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050104-23 MW-11

Lab Sample ID: 490-26282-5
Matrix: GW

Date Collected: 05/02/13 15:52
Date Received: 05/10/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: Rogers & Calcott - NC

TestAmerica Job ID: 490-26282-1
SDG: 3050104

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-26282 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8553 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 2.5 *Degrees Celsius*

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

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

If yes, how many and where: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

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

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Client Name: ROGERS + CALLCOTT

Address: ____

Report To: SUSAN GUNTER

Telephone No. ____ FAX No. ____

PO No. ____ Project No. ____

							N						Filtered (Yes/No)
							Y						Cooled (Yes/No)
							G						Container Type (P/G)
							250 ml						Container Volume
							G						Sample Type (Grab/Composite)
							GW						Sample Source (WW, GW, DW, Other)
							N						Sample Source Chlorinated (Yes/No)
													Lab Receipt Cl_2 Check
													Lab Receipt pH Check
							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– ____
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	TOX							COMMENTS:
305 0104-15	5.1	2008	MW-21	1		1						-1	SUB TO TEST AMERICA
-17	5.2	1137	MW-10	1		1						2	
-19		1338	MW-1A	1		1						3	NC SAMPLES
-21		1438	MW-12	1		1						4	
-23		1552	MW-11	1		1						5	

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	KNOWN HAZARDS ASSOCIATED WITH SAMPLES
① [signature]	5.8.13 1000	② [signature] TAW Shipper Name & #	5.9.13 0830	
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time	
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time	Temperature of blank or representative sample
Seal # at'chd by ○ Recvd. Intact by ○		Seal # at'chd by ○ Recvd. Intact by ○		At time of collection ____ °C At time of lab receipt 2.5 °C

Form Revised July 2008

R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26282-1
SDG Number: 3050104

Login Number: 26282
List Number: 1
Creator: Myers, Madonna

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050195 05/07/2013 15:30

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 07, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company

Rogers & Callcott
ENVIRONMENTAL

Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050195
Received: 05/07/2013 15:30

Sample Number	Sample Description	Matrix	Sampled	Type
3050195-01	MW-8	Ground Water	05/06/13 11:53	Grab
3050195-02	MW-8	Ground Water	05/06/13 16:00	Grab
3050195-03	MW-6	Ground Water	05/06/13 13:51	Grab
3050195-04	MW-6	Ground Water	05/06/13 14:33	Grab
3050195-05	MW-2	Ground Water	05/06/13 12:49	Grab
3050195-06	MW-2	Ground Water	05/07/13 09:09	Grab
3050195-07	MW-6	Ground Water	05/06/13 14:36	Grab
3050195-08	MW-6	Ground Water	05/06/13 14:38	Grab
3050195-09	MW-6	Ground Water	05/06/13 14:40	Grab
3050195-10	MW-6	Ground Water	05/06/13 14:50	Grab
3050195-11	MW-6	Ground Water	05/06/13 14:55	Grab
3050195-12	MW-6	Ground Water	05/06/13 14:56	Grab
3050195-13	MW-6	Ground Water	05/06/13 14:58	Grab
3050195-14	MW-8	Ground Water	05/06/13 16:02	Grab
3050195-15	MW-8	Ground Water	05/06/13 16:02	Grab
3050195-16	MW-2	Ground Water	05/07/13 09:11	Grab
3050195-17	MW-2	Ground Water	05/07/13 09:11	Grab

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Sample Data

Sample Number 3050195-01
Sample Description MW-8 collected on 05/06/13 11:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**8.63**	0.00	Ft	1.00	05/06/13 11:53	-		CGW	B3E0211

Sample Number 3050195-02
Sample Description MW-8 collected on 05/06/13 16:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.0**	0.1	pH Units	1.00	05/06/13 16:00	EPA 9040C		CGW	B3E0211
Specific Conductance at 25 C	**81.0**	10.0	umhos/cm	1.00	05/06/13 16:00	EPA 9050A		CGW	B3E0211
Temperature	**16.9**	0.0	°C	1.00	05/06/13 16:00	SM 2550B-2000		CGW	B3E0211
Turbidity (Field)	ND	5.0	NTU	1.00	05/06/13 16:00	Field Screen		CGW	B3E0211

Sample Number 3050195-03
Sample Description MW-6 collected on 05/06/13 13:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**8.96**	0.00	Ft	1.00	05/06/13 13:51	-		CGW	B3E0211

Sample Number 3050195-04
Sample Description MW-6 collected on 05/06/13 14:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.7**	0.1	pH Units	1.00	05/06/13 14:33	EPA 9040C		CGW	B3E0211
Specific Conductance at 25 C	**364**	10.0	umhos/cm	1.00	05/06/13 14:33	EPA 9050A		CGW	B3E0211
Temperature	**14.1**	0.0	°C	1.00	05/06/13 14:33	SM 2550B-2000		CGW	B3E0211
Turbidity (Field)	ND	5.0	NTU	1.00	05/06/13 14:33	Field Screen		CGW	B3E0211

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Sample Number 3050195-05
Sample Description MW-2 collected on 05/06/13 12:49

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**3.43**	0.00	Ft	1.00	05/06/13 12:49	-		CGW	B3E0211

Sample Number 3050195-06
Sample Description MW-2 collected on 05/07/13 09:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**9.8**	0.1	pH Units	1.00	05/07/13 09:09	EPA 9040C		CGW	B3E0211
Specific Conductance at 25 C	**7800**	10.0	umhos/cm	1.00	05/07/13 09:09	EPA 9050A		CGW	B3E0211
Temperature	**14.1**	0.0	°C	1.00	05/07/13 09:09	SM 2550B-2000		CGW	B3E0211
Turbidity (Field)	**5.6**	5.0	NTU	1.00	05/07/13 09:09	Field Screen		CGW	B3E0211

Sample Number 3050195-07
Sample Description MW-6 collected on 05/06/13 14:36

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Barium	**0.097**	0.010	mg/L	1.00	05/13/13 12:25	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0010	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Calcium	**27**	1.0	mg/L	10.0	05/13/13 12:05	EPA 200.7		MER	B3E0248
Chromium	ND	0.002	mg/L	1.00	06/25/13 13:36	EPA 200.8		MER	B3E0276
Copper	ND	0.005	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Iron	**0.054**	0.050	mg/L	1.00	05/13/13 12:25	EPA 200.7		MER	B3E0248
Lead	ND	0.005	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Magnesium	**16**	1.0	mg/L	10.0	05/13/13 12:05	EPA 200.7		MER	B3E0248
Manganese	**2.2**	0.010	mg/L	1.00	05/13/13 12:25	EPA 200.7		MER	B3E0248
Nickel	**0.013**	0.005	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Potassium	**6.4**	0.50	mg/L	1.00	05/13/13 12:25	EPA 200.7		MER	B3E0248
Selenium	ND	0.005	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Silver	ND	0.002	mg/L	1.00	06/24/13 16:57	EPA 200.8		MER	B3E0276
Sodium	**12**	5.0	mg/L	10.0	05/13/13 12:05	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 12:25	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Sample Number 3050195-08
Sample Description MW-6 collected on 05/06/13 14:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:17	EPA 245.1		MER	B3E0512

Sample Number 3050195-09
Sample Description MW-6 collected on 05/06/13 14:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**41.6**	10.0	mg/L	10.0	05/17/13 13:19	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/17/13 19:09	EPA 300.0	S1	DJM	B3E0438
Nitrite as N	ND	0.010	mg/L	1.00	05/08/13 09:04	SM 4500NO2B-2011		REH	B3E0214
Sulfate	**44.7**	10.0	mg/L	10.0	05/17/13 03:40	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**220**	50.0	mg/L	2.00	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338

Sample Number 3050195-10
Sample Description MW-6 collected on 05/06/13 14:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1		DJM	B3E0745

Sample Number 3050195-11
Sample Description MW-6 collected on 05/06/13 14:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	ND	1.00	mg/L	1.00	05/14/13 08:17	SM 5310C-2011		JLF	B3E0280

Sample Number 3050195-13
Sample Description MW-6 collected on 05/06/13 14:58

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**0.20**	0.10	mg/L	1.00	05/28/13 17:31	SM 4500NO3H-2011		REH	B3E0757

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Sample Number 3050195-14
Sample Description MW-8 collected on 05/06/13 16:02

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.30**	1.00	mg/L	1.00	05/17/13 13:44	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/17/13 20:24	EPA 300.0		DJM	B3E0438
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/28/13 16:29	SM 4500NO3H-2011		REH	B3E0757
Nitrite as N	ND	0.010	mg/L	1.00	05/08/13 09:13	SM 4500NO2B-2011		REH	B3E0214
Sulfate	**14.6**	2.00	mg/L	2.00	05/17/13 04:55	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**84.0**	25.0	mg/L	1.00	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338
Total Organic Carbon	**1.21**	1.00	mg/L	1.00	05/14/13 08:38	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1		DJM	B3E0745
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:19	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Barium	**0.011**	0.010	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0010	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Calcium	**6.5**	0.50	mg/L	5.00	05/13/13 12:18	EPA 200.7		MER	B3E0248
Chromium	**0.003**	0.002	mg/L	1.00	06/25/13 14:51	EPA 200.8		MER	B3E0276
Copper	ND	0.005	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Iron	**0.95**	0.050	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Lead	ND	0.005	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Magnesium	**2.0**	0.10	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Manganese	**0.068**	0.010	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Nickel	ND	0.005	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Potassium	**3.1**	0.50	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Selenium	ND	0.005	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Silver	ND	0.002	mg/L	1.00	06/24/13 17:50	EPA 200.8		MER	B3E0276
Sodium	**3.1**	0.50	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 12:27	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Sample Number 3050195-16
Sample Description MW-2 collected on 05/07/13 09:11

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**174**	25.0	mg/L	25.0	05/17/13 14:09	EPA 300.0		DJM	B3E0437
Fluoride	**5.44**	2.00	mg/L	20.0	05/17/13 20:49	EPA 300.0		DJM	B3E0438
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/28/13 17:31	SM 4500NO3H-2011		REH	B3E0757
Nitrite as N	ND	0.100	mg/L	10.0	05/08/13 10:08	SM 4500NO2B-2011	X	REH	B3E0214
Sulfate	**97.2**	25.0	mg/L	25.0	05/17/13 05:20	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**6360**	250	mg/L	10.0	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338
Total Organic Carbon	**166**	25.0	mg/L	25.0	05/14/13 09:03	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	**0.007**	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1		DJM	B3E0745
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:22	EPA 245.1		MER	B3E0512
Arsenic	**0.020**	0.010	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Barium	ND	0.010	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0020	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Calcium	**2.7**	0.10	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248
Chromium	**0.024**	0.004	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Copper	**0.009**	0.004	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Iron	**1.8**	0.050	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248
Lead	ND	0.010	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Magnesium	**0.17**	0.10	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248
Manganese	**0.038**	0.010	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248
Nickel	**0.13**	0.010	mg/L	2.00	06/24/13 17:33	EPA 200.8		MER	B3E0276
Potassium	**56**	2.5	mg/L	5.00	05/13/13 12:20	EPA 200.7		MER	B3E0248
Selenium	ND	0.010	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Silver	ND	0.004	mg/L	2.00	06/25/13 15:28	EPA 200.8		MER	B3E0276
Sodium	**1900**	500	mg/L	1,000	05/13/13 11:38	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 12:49	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Subcontracted Analyses

Sample Number 3050195-12
Sample Description MW-6 collected on 05/06/13 14:56

Parameter

Subcontract TOH

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

Sample Number 3050195-15
Sample Description MW-8 collected on 05/06/13 16:02

Parameter

Subcontract TOH

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

Sample Number 3050195-17
Sample Description MW-2 collected on 05/07/13 09:11

Parameter

Subcontract TOH

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0214 - General Prep - Wet Chem										
Blank (B3E0214-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0214-BS1)										
Nitrite as N	0.494	0.010	mg/L	0.500		99	85-115			
Matrix Spike (B3E0214-MS1)	**Source: 3050195-09**									
Nitrite as N	0.242	0.010	mg/L	0.250	ND	97	80-120			
Matrix Spike Dup (B3E0214-MSD1)	**Source: 3050195-09**									
Nitrite as N	0.244	0.010	mg/L	0.250	ND	98	80-120	0.8	20	
Batch B3E0280 - General Prep - TOC										
Blank (B3E0280-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B3E0280-BS1)										
Total Organic Carbon	3.99		mg/L	4.00		100	85-115			
Matrix Spike (B3E0280-MS1)	**Source: 3050104-18**									
Total Organic Carbon	3.93		mg/L	3.75	ND	100	80-120			
Matrix Spike (B3E0280-MS2)	**Source: 3050196-14**									
Total Organic Carbon	4.03		mg/L	3.75	ND	94	80-120			
Matrix Spike Dup (B3E0280-MSD1)	**Source: 3050104-18**									
Total Organic Carbon	3.84		mg/L	3.75	ND	98	80-120	2	15	
Matrix Spike Dup (B3E0280-MSD2)	**Source: 3050196-14**									
Total Organic Carbon	4.08		mg/L	3.75	ND	95	80-120	1	15	
Batch B3E0338 - General Prep - Solids										
Blank (B3E0338-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0338 - General Prep - Solids										
LCS (B3E0338-BS1)										
Total Dissolved Solids	2030	25.0	mg/L	2030		100	80-120			
Duplicate (B3E0338-DUP1)	**Source: 3050177-03**									
Total Dissolved Solids	7810	250	mg/L		7680			2	15	
Batch B3E0435 - General Prep - IC										
Blank (B3E0435-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0435-BS1)										
Sulfate	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0435-DUP3)	**Source: 3050103-42**									
Sulfate	13.7	5.00	mg/L		14.1			3	20	
Duplicate (B3E0435-DUP4)	**Source: 3050313-01**									
Sulfate	99.6	20.0	mg/L		100			0.7	20	
Matrix Spike (B3E0435-MS3)	**Source: 3050103-42**									
Sulfate	28.5	5.00	mg/L	15.0	14.1	96	90-110			
Matrix Spike (B3E0435-MS4)	**Source: 3050313-01**									
Sulfate	162	20.0	mg/L	60.0	100	102	90-110			
Batch B3E0437 - General Prep - IC										
Blank (B3E0437-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0437-BS1)										
Chloride	4.90	1.00	mg/L	5.00		98	90-110			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0437 - General Prep - IC										
Duplicate (B3E0437-DUP1)	**Source: 3050060-09**									
Chloride	7.80	5.00	mg/L		7.90			1	20	
Duplicate (B3E0437-DUP2)	**Source: 3050198-05RE1**									
Chloride	ND	500	mg/L		ND				20	
Matrix Spike (B3E0437-MS1)	**Source: 3050060-09**									
Chloride	21.0	5.00	mg/L	15.0	7.90	88	90-110			S1
Matrix Spike (B3E0437-MS2)	**Source: 3050198-05RE1**									
Chloride	1420	500	mg/L	1500	ND	76	90-110			S1
Batch B3E0438 - General Prep - IC										
Blank (B3E0438-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0438-BS1)										
Fluoride	0.51	0.10	mg/L	0.500		101	90-110			
Duplicate (B3E0438-DUP1)	**Source: 3050195-09**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B3E0438-MS1)	**Source: 3050195-09**									
Fluoride	0.32	0.10	mg/L	0.300	ND	89	90-110			S1
Batch B3E0745 - General Prep - Phenol										
Blank (B3E0745-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Blank (B3E0745-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0745 - General Prep - Phenol										
LCS (B3E0745-BS1)										
Total Recoverable Phenols	0.037	0.005	mg/L	0.0400		92	90-110			
LCS (B3E0745-BS2)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
Duplicate (B3E0745-DUP1)	**Source: 3050169-01**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0745-DUP2)	**Source: 3050196-12**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0745-MS1)	**Source: 3050169-01**									
Total Recoverable Phenols	0.029	0.005	mg/L	0.0400	ND	73	75-125			S1
Matrix Spike (B3E0745-MS2)	**Source: 3050196-12**									
Total Recoverable Phenols	0.030	0.005	mg/L	0.0400	ND	74	75-125			S1
Batch B3E0757 - General Prep - Wet Chem KL										
Blank (B3E0757-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0757-BS1)										
Nitrate-Nitrite as N	2.12	0.10	mg/L	2.00		106	85-115			
Matrix Spike (B3E0757-MS1)	**Source: 3050136-27**									
Nitrate-Nitrite as N	1.59	0.10	mg/L	1.25	0.18	112	75-125			
Matrix Spike Dup (B3E0757-MSD1)	**Source: 3050136-27**									
Nitrate-Nitrite as N	1.54	0.10	mg/L	1.25	0.18	109	75-125	3	20	

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0248 - SM 3030C - ICP										
Blank (B3E0248-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0248-BS1)										
Barium	1.0	0.010	mg/L	1.00		100	85-115			
Calcium	0.99	0.10	mg/L	1.00		99	85-115			
Iron	1.0	0.050	mg/L	1.00		100	85-115			
Magnesium	0.99	0.10	mg/L	1.00		99	85-115			
Manganese	1.0	0.010	mg/L	1.00		100	85-115			
Potassium	10	0.50	mg/L	10.0		102	85-115			
Sodium	1.0	0.50	mg/L	1.00		100	85-115			
Zinc	1.0	0.020	mg/L	1.00		100	85-115			
Duplicate (B3E0248-DUP1) Source: 3050196-14										
Barium	0.014	0.010	mg/L		0.014			0.7	20	
Calcium	1.9	0.10	mg/L		1.9			0.4	20	
Iron	ND	0.050	mg/L		ND				20	P3
Magnesium	1.2	0.10	mg/L		1.2			0.3	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.4	0.50	mg/L		1.4			0.6	20	
Sodium	1.7	0.50	mg/L		1.8			0.6	20	
Zinc	ND	0.020	mg/L		ND				20	
Matrix Spike (B3E0248-MS1) Source: 3050196-14										
Barium	0.99	0.010	mg/L	1.00	0.014	98	70-130			
Calcium	2.9	0.10	mg/L	1.00	1.9	100	70-130			
Iron	1.0	0.050	mg/L	1.00	ND	98	70-130			
Magnesium	2.2	0.10	mg/L	1.00	1.2	99	70-130			
Manganese	0.98	0.010	mg/L	1.00	ND	98	70-130			
Potassium	11	0.50	mg/L	10.0	1.4	100	70-130			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0248 - SM 3030C - ICP										
Matrix Spike (B3E0248-MS1)	**Source: 3050196-14**									
Sodium	2.6	0.50	mg/L	1.00	1.8	88	70-130			
Zinc	0.99	0.020	mg/L	1.00	ND	98	70-130			
Post Spike (B3E0248-PS1)	**Source: 3050196-14**									
Barium	1.0		mg/L	1.00	0.014	99	85-115			
Calcium	3.0		mg/L	1.00	1.9	104	85-115			
Iron	1.0		mg/L	1.00	ND	99	85-115			
Magnesium	2.2		mg/L	1.00	1.2	100	85-115			
Manganese	0.99		mg/L	1.00	ND	99	85-115			
Potassium	12		mg/L	10.0	1.4	102	85-115			
Sodium	2.6		mg/L	1.00	1.8	89	85-115			
Zinc	1.0		mg/L	1.00	ND	99	85-115			
Batch B3E0276 - EPA 200.8 Mod										
Blank (B3E0276-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0276-BS1)										
Arsenic	0.018	0.005	mg/L	0.0200		92	85-115			
Cadmium	0.020	0.0010	mg/L	0.0200		98	85-115			
Chromium	0.021	0.002	mg/L	0.0200		104	85-115			
Copper	0.019	0.005	mg/L	0.0200		95	85-115			
Lead	0.019	0.005	mg/L	0.0200		95	85-115			
Nickel	0.019	0.005	mg/L	0.0200		95	85-115			
Selenium	0.019	0.005	mg/L	0.0200		94	85-115			
Silver	0.019	0.002	mg/L	0.0200		94	85-115			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0276 - EPA 200.8 Mod										
Matrix Spike (B3E0276-MS1)	**Source: 3050195-07**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	93	70-130			
Cadmium	0.020	0.0010	mg/L	0.0200	ND	97	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.002	98	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130			
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Nickel	0.030	0.005	mg/L	0.0200	0.013	88	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	98	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130			
Matrix Spike Dup (B3E0276-MSD1)	**Source: 3050195-07**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	94	70-130	1	20	
Cadmium	0.020	0.0010	mg/L	0.0200	ND	97	70-130	0.3	20	
Chromium	0.023	0.002	mg/L	0.0200	0.002	103	70-130	4	20	
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130	0.5	20	
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130	0.425	20	
Nickel	0.030	0.005	mg/L	0.0200	0.013	87	70-130	0.9	20	
Selenium	0.019	0.005	mg/L	0.0200	ND	96	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	95	70-130	0.7	20	
Post Spike (B3E0276-PS1)	**Source: 3050195-07**									
Arsenic	0.023		mg/L	0.0250	ND	98	75-125			
Cadmium	0.024		mg/L	0.0250	ND	96	75-125			
Chromium	0.026		mg/L	0.0250	0.002	96	75-125			
Copper	0.024		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	93	75-125			
Nickel	0.035		mg/L	0.0250	0.012	91	75-125			
Selenium	0.025		mg/L	0.0250	ND	100	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Batch B3E0512 - EPA 245.1										
Blank (B3E0512-BLK1)										
Mercury	ND	0.00020	mg/L							

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0512 - EPA 245.1										
LCS (B3E0512-BS1)										
Mercury	0.0049	0.00020	mg/L	0.00500		98	85-115			
Duplicate (B3E0512-DUP1)	**Source: 3050104-18**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0512-DUP2)	**Source: 3050198-04**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0512-MS1)	**Source: 3050104-18**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0512-MS2)	**Source: 3050198-04**									
Mercury	0.0044	0.00020	mg/L	0.00500	ND	89	70-130			

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0276	3050195-07	05/08/2013 12:13	DER
EPA 200.8 Mod	B3E0276	3050195-14	05/08/2013 12:13	DER
EPA 200.8 Mod	B3E0276	3050195-16	05/08/2013 12:13	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0512	3050195-08	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050195-14	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050195-16	05/16/2013 09:10	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0248	3050195-07	05/08/2013 10:44	MER
SM 3030C - ICP	B3E0248	3050195-14	05/08/2013 10:44	MER
SM 3030C - ICP	B3E0248	3050195-16	05/08/2013 10:44	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050195
Canton, NC 28716		Reported:	07/02/13 09:50

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.

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3050195

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: Evergreen Packaging
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	P	G	P		
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	250 mL	250 mL		
Sample Type (Grab/Composite)	G								
Sample Source (WW, GW, DW, Other)	GW								
Sample Source Chlorinated (Yes/No)	N								
Lab Receipt Cl, Check: VRU	NA	NA	NA	NA	NA		NA		
Lab Receipt pH Check: 5.7.13	12	12	NA	12	12		12		
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	metals*	metals**	Cl, F, TDS, SO_4	Phenols	TOC	TOX	NO_3		

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: ⊗ Subcontracted

Rogers & Callcott Lab No.	Yr.13 Date	Time	Sample Description	Total Number of Containers	metals*	metals**	Cl, F, TDS, SO_4	Phenols	TOC	TOX	NO_3	Comments
-07	5/06	1430	MW-6	1	1							
-08		1438	MW-6	1		1						** Hg
-09		1440	MW-6	1			1					* As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
-10		1450	MW-6	1				1				Mg, Mn, Ni, K, Se, Ag, Na, Zn
-11		1455	MW-6	1					1			
-12		1456	MW-6 CAW 5/06/13	1						1		Field Data Collected
-13		1458	MW-~~7~~6	1							1	-01 through -06

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① Carmen G. Woodward	5/07/13 1530	② Shipper Name & #	5.7.13 1530
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.8 Not Frozen °C

Form Revised July 2008 R/C COC FORM

3050195

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: Evergreen Packaging

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	metals*	metals**	Cl, Fl, TDS, NO2, SO4	Phenols	TOC	TUX ⊗	NO3	COMMENTS:
						B	B	A	C	I	B	C	
-14	05/06	1602	mw-8	7		1	1	1	1	1	1-15	1	⊗ Subcontracted
-16	05/07	0911	mw-2	7		1	1	1	1	1	1-17	1	*As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
													mg, Mn, Ni, K, Se, Ag, Na, Zn
													** Hg
													Field Data Collected

Filtered (Yes/No)	N		
Cooled (Yes/No)	Y		
Container Type (P/G)	P	PG	PG
Container Volume	500 mL, 250 mL, 1/2 gal, 1 L	250 mL	250 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
Lab Receipt pH Check	12	12	NA
Preserved (Code)	B	B	A
	NA	NA	NA
	12	12	12
	C	I	B
	NA		NA
	12		12
	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- ____

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① Carmen J. Woodward	5/07/13 1530	② [signature] Shipper Name & #	5.7.13 1530
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ○ Recvd. Intact by ○		Seal # at'chd by ○ Recvd. Intact by ○	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.8 Not Frozen °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☑ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-8

Date: 5/06/13 Field Personnel: CGW

Site Name/Location: Evergreen Packaging - Canton, NC Weather Conditions/~Temp: Sunny, 55 °F Page 1 of ~~4~~ 8 CGW 5/07/13

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☒ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 8.63 @ 1153
Total Depth of Well (b): 29.21
Length of Water Column in Well (b-a): 20.58
Well Casing Diameter (inches): 2
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	3.4	
3 Casing Vol	10.2	5.4

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay /
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/06/13	1159	-	NA	8.63	0.0	6.52	17.8	200.52			1	8.43	
	1204	1	NA	NA	3.4	6.23	16.7	115.28			1	27.9	
	1210	2	NA	NA	5.4 CGW 5/06/13	6.35	15.1	107.77			1	94.5	Org
	1600	3	NA	NA	sample	6.97	16.9	81.00			1	<5	sample
		4											
		5											CGW 5/06/13
		6											
		7											

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

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

Sample Collection Time: metals; metals (Hg); Cl, F, TDS, NO_3, SO_4; Phenols; TOC; TOX; NO_3 - 1602

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☐ Low Flow
☒ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-6

Date: 5/06/13 Field Personnel: CGW

Site Name/Location: Evergreen Packaging-Canton, NC Weather Conditions/~Temp: Sunny 159 °F Page 2 of 48

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 8.96 @ 1351
Total Depth of Well (b): 20.68
Length of Water Column in Well (b-a): 11.72
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	1.9	
3 Casing Vol	5.7	1.75

Circle One that Applies

Measuring Point: (TOC) / Ground Surface
Riser Material: (PVC) / Steel / Teflon
Steel Protective Casing? (Yes) / No
Bollards? Yes / (No)
Flush Mount? Yes / (No)
Well Locked? (Yes) / No
Well Pad Condition? Okay / None
Well Tag? (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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/06/13	1358	-	0.05	8.96	0.0	6.17	14.9	204.65			1	13.9	
	1403	1	0.05	9.27	0.25	5.90	14.2	199.27			1	<5	
	1408	2	0.05	9.27	0.50	5.73	14.3	266.91			1	<5	
	1413	3	0.05	9.26	0.75	5.72	14.3	307.64			1	<5	
	1418	4	0.05	9.25	1.0	5.70	14.3	322.75			1	<5	
	1423	5	0.05	9.24	1.25	5.70	14.0	347.71			1	<5	
	1428	6	0.05	9.24	1.50	5.70	14.1	361.61			1	<5	
	1433	7	0.05	9.24	1.75	5.70	14.1	364.35			1	<5	

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

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

Sample Collection Time: metals - 1436 metals Hg - 1438 Cl; Fl; TDS; NO_2; SO_4 - 1440 Phenols - 1450
TOC - 1455 TOX - 1456 NO_3 - 1458

Comments:

Revised 1-10-13

Rogers and Callcott Environmental

Field Meter Calibration Record

Client: Evergreen Packaging **Date:** 5/06/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion Star A325 SN: G01769 Probe: QP1-12000

Time: 0820 Analyst: CDW Cell Constant 0.470

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.20	20.8
P301864	99.9		100.8	20.7
P301861	998		978.4	20.8
P301087	SSS conc:	447	438.8	20.7

Temperature compensation for pH / conductivity meter : 0.0

pH Calibration - EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time: 0822 Analyst: CDW Slope: 99.2

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.00
P204625	7.0		7.03
P302044	10.0		10.04
P204624	SSS conc:	4.0	3.98

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/01/13

Time: 0823 Analyst: CDW

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
301993	(0-10)	4.44	4.74
301994	(0-100)	50.2	47.8
301995	(0-1000)	429	436

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers and Callcott Environmental

Continuing Calibration Verification

Client: Evergreen Packaging **Date:** 5/06/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion Star A325 SN: G01769 Probe: RP1-12000

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1217	CRW	99.9	100.3 @ 22.1 °C
1629	CRW	998	988.4 @ 23.4 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1216	CRW	7.0	7.01
1628	CRW	4.0	3.97

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 0812000033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1216	CRW	(0-100) 50.2	47.7
1630	CRW	(0-10) 4.44	4.61

Field Duplicate

Well ID: MW-6

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1434	CRW	366.04	5.70	<5	14.2

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

Reviewed by: _____ Date: _____

Revised 01/21/13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-2

Date: 5/06/13 Field Personnel: CGW

Site Name/Location: Evergreen Packaging-Canton, NC Weather Conditions/~Temp: Sunny / 59 °F Page ~~4~~ 5 of ~~4~~ 8 CGW 5/07/13

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 3.43 @ 1249
Total Depth of Well (b): 11.86
Length of Water Column in Well (b-a): 8.43
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	1.4	
3 Casing Vol	4.2	1.9

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / None
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
5/06/13	1253	-	NA	3.43	0.0	9.46	15.5	7,848			1	6.20	
	1257	1		NA	1.4	9.80	15.6	7,948			1	<1000	
	1259	2			1.9	9.88	13.9	7,954			1	23.0	Dry
5/07/13	0909	3		6.07	sample	9.78	14.1	7,805			1	5.62	sample
		4											
		5											CGW
		6											5/07/13
		7											

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

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

Sample Collection Time: Collected on 5/07/13 @ 0911 → metals; metals(Hg); TDS, Cl, Fl, Mg, SO4; Phenols; TOC; TOX; NO3.

Comments: _____

Revised 1-10-13

Rogers and Callcott Environmental

Field Meter Calibration Record

Client: Evergreen Packaging **Date:** 5/07/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion Star A325 SN: G01769 Probe: QP1-12000

Time: 0836 Analyst: CEW Cell Constant 0.471

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	@ Temperature, °C
P300505	9.69		~~103.~~ 9.51	10.4
P301864	99.9		103.6	10.4
P301861	998		1010	10.4
P301087	SSS conc:	447	456.4	10.4

Temperature compensation for pH / conductivity meter : 0.0

pH Calibration - EPA 9040C

Meter Make / Model: Orion Star A325 Probe: R21-10612

Time: 0834 Analyst: CEW Slope: 100.2

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P301751	4.0		4.01
P204625	7.0		7.05
P302044	10.0		10.07
P204624	SSS conc:	4.0	3.97

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/01/13

Time: 0838 Analyst: CEW

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
301993	(0-10) 4.44	4.10
301994	(0-100) 50.2	50.9
301995	(0-1000) 429	435

Reviewed by: Date:

Revised 01/21/13

Rogers and Callcott Environmental

Continuing Calibration Verification

Client: Evergreen Packaging Date: 5/07/13

* NO mid-day required - less than 4 hours from initial calibration.

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion Star A325 SN: G01769 Probe: QR1-12000

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
* ~~CSW~~	~~CSW~~	~~99.9~~	~~@ ___ °C~~
1125	CSW	998	985.6 @ 16.2 °C

CSW 5/07/13

pH Meter
EPA 9040C

Meter Make / Model: Orion Star A325 Probe: RZ1-10612

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
* ~~CSW~~	~~CSW~~	~~7.0~~	
1124	CSW	4.0	3.98

CSW 5/07/13

Turbidity Meter
Field Screen Method

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

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
* ~~CSW~~	~~CSW~~	~~(0-100) 50.2~~	
1124	CSW	(0-10) 4.44	4.31

CSW 5/07/13

Field Duplicate

Well ID: CSW 5/07/13 ~~MW~~ CP-Down

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1123	CSW	3,500	6.46	<5	16.3

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

Reviewed by: _____ Date: _____

Revised 01/21/13

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN Date Received: 5.7.13 Work Order: 3050195

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

Tracking Number: _____

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

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

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue:

Revised November 2012

Completed by: KRU

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26352-1
Client Project/Site: 3050195

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:27:57 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26352-1	3050195-12 MW-6	Water	05/06/13 14:56	05/10/13 08:30
490-26352-2	3050195-15 MW-8	Water	05/06/13 16:02	05/10/13 08:30
490-26352-3	3050195-17 MW-2	Water	05/07/13 09:11	05/10/13 08:30

Job ID: 490-26352-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26352-1

Comments
No additional comments.

Receipt
The samples were received on 5/10/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

Except:

The following sample(s) were collected in properly preserved vials, however, the pH was outside the required criteria when verified by the laboratory: 3050195-17 MW-2 (490-26352-3).

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 80507.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Client Sample ID: 3050195-12 MW-6
Date Collected: 05/06/13 14:56
Date Received: 05/10/13 08:30

Lab Sample ID: 490-26352-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/17/13 09:38	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Client Sample ID: 3050195-15 MW-8
Date Collected: 05/06/13 16:02
Date Received: 05/10/13 08:30

Lab Sample ID: 490-26352-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.154		0.0300		mg/L			05/17/13 09:38	1

TestAmerica Nashville

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Client Sample ID: 3050195-17 MW-2
Date Collected: 05/07/13 09:11
Date Received: 05/10/13 08:30

Lab Sample ID: 490-26352-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.227		0.0300		mg/L			05/17/13 09:38	1

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-80507/5
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/17/13 09:38	1

Lab Sample ID: LCS 490-80507/4
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2359		mg/L		94	90 - 110

TestAmerica Nashville

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

General Chemistry

Analysis Batch: 80507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26352-1	3050195-12 MW-6	Total/NA	Water	9020B	
490-26352-2	3050195-15 MW-8	Total/NA	Water	9020B	
490-26352-3	3050195-17 MW-2	Total/NA	Water	9020B	
LCS 490-80507/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-80507/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Client Sample ID: 3050195-12 MW-6

Lab Sample ID: 490-26352-1

Date Collected: 05/06/13 14:56
Matrix: Water
Date Received: 05/10/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050195-15 MW-8

Lab Sample ID: 490-26352-2

Date Collected: 05/06/13 16:02
Matrix: Water
Date Received: 05/10/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050195-17 MW-2

Lab Sample ID: 490-26352-3

Date Collected: 05/07/13 09:11
Matrix: Water
Date Received: 05/10/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050195

TestAmerica Job ID: 490-26352-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-26352 Chain of Custody

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8391 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 1.5 *Degrees Celsius*

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

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

   If yes, how many and where:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA pH-7 3050195-17

   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 NCM generated? YES...NO # 54033

5/09/13 5/09/13

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 11/28/12

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

Loc: 490 **CHAIN OF CUSTODY RECORD** PAGE ____ OF ____

26352

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	TOX							COMMENTS:
Filtered (Yes/No)						N							
Cooled (Yes/No)						Y							
Container Type (P/G)						G							
Container Volume						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													
Lab Receipt pH Check													
Preserved (Code)						B							
305	0195-12	5.6	1456	MW-6	1		1					01	SUB TO TEST AMERICA
	-15	↓	1602	MW-8	1		1					2	
↓	-17	5.7	0911	MW-2	1		1					3	NC SAMPLES

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	KNOWN HAZARDS ASSOCIATED WITH SAMPLES
① [signature]	5.8.13 1000	② [signature] Shipper Name & #	05/09/13 0830	
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time	
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time	Temperature of blank or representative sample
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯	At time of collection ____ °C
				At time of lab receipt ____ °C

Form Revised July 2008 R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26352-1

Login Number: 26352
List Number: 1
Creator: Gambill, Shane

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Refer to Job Narrative for details.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Rogers & Callcott
ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Evergreen Packaging C/O Mark Lancaster - Rogers and Callcott 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 3050196 05/07/2013 15:30

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 07, 2013. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company

Rogers & Callcott
ENVIRONMENTAL

Certificate of Analysis

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

Client Evergreen Packaging
C/O Mark Lancaster - Rogers and Callcott
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 3050196
Received: 05/07/2013 15:30

Sample Number	Sample Description	Matrix	Sampled	Type
3050196-01	MW-3A	Ground Water	05/06/13 11:47	Grab
3050196-02	MW-3A	Ground Water	05/06/13 13:35	Grab
3050196-03	MW-13	Ground Water	05/06/13 12:16	Grab
3050196-04	MW-13	Ground Water	05/06/13 13:20	Grab
3050196-05	MW-9	Ground Water	05/06/13 14:00	Grab
3050196-06	MW-9	Ground Water	05/06/13 16:21	Grab
3050196-07	MW-4	Ground Water	05/06/13 14:52	Grab
3050196-08	MW-4	Ground Water	05/06/13 15:28	Grab
3050196-09	MW-13	Ground Water	05/06/13 13:21	Grab
3050196-10	MW-3A	Ground Water	05/06/13 13:35	Grab
3050196-11	MW-3A	Ground Water	05/06/13 13:35	Grab
3050196-12	MW-4	Ground Water	05/06/13 15:31	Grab
3050196-13	MW-4	Ground Water	05/06/13 15:31	Grab
3050196-14	MW-9	Ground Water	05/06/13 16:21	Grab
3050196-15	MW-9	Ground Water	05/06/13 16:21	Grab

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Sample Data

Sample Number 3050196-01
Sample Description MW-3A collected on 05/06/13 11:47

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**4.17**	0.00	Ft	1.00	05/06/13 11:47	-		RJC	B3E0209

Sample Number 3050196-02
Sample Description MW-3A collected on 05/06/13 13:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.5**	0.1	pH Units	1.00	05/06/13 13:35	EPA 9040C		RJC	B3E0209
Specific Conductance at 25 C	**1180**	10.0	umhos/cm	1.00	05/06/13 13:35	EPA 9050A		RJC	B3E0209
Temperature	**12.9**	0.0	°C	1.00	05/06/13 13:35	SM 2550B-2000		RJC	B3E0209
Turbidity (Field)	**85.2**	5.0	NTU	1.00	05/06/13 13:35	Field Screen		RJC	B3E0209

Sample Number 3050196-03
Sample Description MW-13 collected on 05/06/13 12:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**14.74**	0.00	Ft	1.00	05/06/13 12:16	-		RJC	B3E0209

Sample Number 3050196-04
Sample Description MW-13 collected on 05/06/13 13:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.0**	0.1	pH Units	1.00	05/06/13 13:20	EPA 9040C		RJC	B3E0209
Specific Conductance at 25 C	**1680**	10.0	umhos/cm	1.00	05/06/13 13:20	EPA 9050A		RJC	B3E0209
Temperature	**15.6**	0.0	°C	1.00	05/06/13 13:20	SM 2550B-2000		RJC	B3E0209
Turbidity (Field)	**9.6**	5.0	NTU	1.00	05/06/13 13:20	Field Screen		RJC	B3E0209

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175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Sample Number 3050196-05
Sample Description MW-9 collected on 05/06/13 14:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**34.84**	0.00	Ft	1.00	05/06/13 14:00	-		RJC	B3E0209

Sample Number 3050196-06
Sample Description MW-9 collected on 05/06/13 16:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.5**	0.1	pH Units	1.00	05/06/13 16:21	EPA 9040C		RJC	B3E0209
Specific Conductance at 25 C	**36.8**	10.0	umhos/cm	1.00	05/06/13 16:21	EPA 9050A		RJC	B3E0209
Temperature	**16.1**	0.0	°C	1.00	05/06/13 16:21	SM 2550B-2000		RJC	B3E0209
Turbidity (Field)	**13.5**	5.0	NTU	1.00	05/06/13 16:21	Field Screen		RJC	B3E0209

Sample Number 3050196-07
Sample Description MW-4 collected on 05/06/13 14:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**57.98**	0.00	Ft	1.00	05/06/13 14:52	-		RJC	B3E0209

Sample Number 3050196-08
Sample Description MW-4 collected on 05/06/13 15:28

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.5**	0.1	pH Units	1.00	05/06/13 15:28	EPA 9040C		RJC	B3E0209
Specific Conductance at 25 C	**1500**	10.0	umhos/cm	1.00	05/06/13 15:28	EPA 9050A		RJC	B3E0209
Temperature	**16.3**	0.0	°C	1.00	05/06/13 15:28	SM 2550B-2000		RJC	B3E0209
Turbidity (Field)	**13.1**	5.0	NTU	1.00	05/06/13 15:28	Field Screen		RJC	B3E0209

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175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Sample Number 3050196-10
Sample Description MW-3A collected on 05/06/13 13:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**35.0**	10.0	mg/L	10.0	05/17/13 14:34	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/17/13 21:14	EPA 300.0		DJM	B3E0438
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/28/13 16:29	SM 4500NO3H-2011		REH	B3E0757
Nitrite as N	ND	0.010	mg/L	1.00	05/08/13 09:13	SM 4500NO2B-2011		REH	B3E0214
Sulfate	**244**	100	mg/L	100	05/17/13 05:45	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**840**	100	mg/L	4.00	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338
Total Organic Carbon	**1.13**	1.00	mg/L	1.00	05/14/13 09:30	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1		DJM	B3E0745
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:25	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Barium	**0.055**	0.010	mg/L	1.00	05/13/13 12:30	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0010	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Calcium	**130**	5.0	mg/L	50.0	05/13/13 11:52	EPA 200.7		MER	B3E0248
Chromium	**0.002**	0.002	mg/L	1.00	06/25/13 14:55	EPA 200.8		MER	B3E0276
Copper	ND	0.005	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Iron	**40**	1.2	mg/L	25.0	05/13/13 12:00	EPA 200.7		MER	B3E0248
Lead	ND	0.005	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Magnesium	**34**	2.5	mg/L	25.0	05/13/13 12:00	EPA 200.7		MER	B3E0248
Manganese	**0.50**	0.010	mg/L	1.00	05/13/13 12:30	EPA 200.7		MER	B3E0248
Nickel	ND	0.005	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Potassium	**11**	0.50	mg/L	1.00	05/13/13 12:30	EPA 200.7		MER	B3E0248
Selenium	ND	0.005	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Silver	ND	0.002	mg/L	1.00	06/24/13 17:53	EPA 200.8		MER	B3E0276
Sodium	**42**	12	mg/L	25.0	05/13/13 12:00	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 12:30	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Sample Number 3050196-12
Sample Description MW-4 collected on 05/06/13 15:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**90.5**	10.0	mg/L	10.0	05/17/13 14:59	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/17/13 21:40	EPA 300.0		DJM	B3E0438
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/28/13 16:29	SM 4500NO3H-2011		REH	B3E0757
Nitrite as N	ND	0.100	mg/L	10.0	05/08/13 12:02	SM 4500NO2B-2011	X	REH	B3E0214
Sulfate	**251**	50.0	mg/L	50.0	05/22/13 17:26	EPA 300.0		DJM	B3E0660
Total Dissolved Solids	**984**	100	mg/L	4.00	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338
Total Organic Carbon	**5.37**	1.00	mg/L	1.00	05/14/13 10:30	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1	S1	DJM	B3E0745
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:28	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Barium	**0.033**	0.010	mg/L	1.00	05/13/13 12:33	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0010	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Calcium	**19**	1.0	mg/L	10.0	05/13/13 12:15	EPA 200.7		MER	B3E0248
Chromium	**0.030**	0.002	mg/L	1.00	06/25/13 14:58	EPA 200.8		MER	B3E0276
Copper	ND	0.005	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Iron	**54**	5.0	mg/L	100	05/13/13 11:50	EPA 200.7		MER	B3E0248
Lead	ND	0.005	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Magnesium	**16**	1.0	mg/L	10.0	05/13/13 12:15	EPA 200.7		MER	B3E0248
Manganese	**1.2**	0.010	mg/L	1.00	05/13/13 12:33	EPA 200.7		MER	B3E0248
Nickel	**0.015**	0.005	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Potassium	**9.3**	0.50	mg/L	1.00	05/13/13 12:33	EPA 200.7		MER	B3E0248
Selenium	ND	0.005	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Silver	ND	0.002	mg/L	1.00	06/24/13 17:56	EPA 200.8		MER	B3E0276
Sodium	**240**	50	mg/L	100	05/13/13 11:50	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 12:33	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Sample Number 3050196-14
Sample Description MW-9 collected on 05/06/13 16:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	05/17/13 16:14	EPA 300.0		DJM	B3E0437
Fluoride	ND	0.10	mg/L	1.00	05/17/13 22:05	EPA 300.0		DJM	B3E0438
Nitrate-Nitrite as N	**0.83**	0.10	mg/L	1.00	05/28/13 16:29	SM 4500NO3H-2011		REH	B3E0757
Nitrite as N	ND	0.010	mg/L	1.00	05/08/13 09:09	SM 4500NO2B-2011		REH	B3E0214
Sulfate	**1.58**	1.00	mg/L	1.00	05/17/13 06:35	EPA 300.0		DJM	B3E0435
Total Dissolved Solids	**50.0**	25.0	mg/L	1.00	05/13/13 09:00	SM 2540C-2011		LDS	B3E0338
Total Organic Carbon	ND	1.00	mg/L	1.00	05/14/13 10:55	SM 5310C-2011		JLF	B3E0280
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/24/13 09:04	EPA 420.1		DJM	B3E0745
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/17/13 10:30	EPA 245.1		MER	B3E0512
Arsenic	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Barium	**0.014**	0.010	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Cadmium	ND	0.0010	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Calcium	**1.9**	0.10	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Chromium	**0.005**	0.002	mg/L	1.00	06/25/13 15:01	EPA 200.8		MER	B3E0276
Copper	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Iron	ND	0.050	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Lead	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Magnesium	**1.2**	0.10	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Manganese	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Nickel	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Potassium	**1.4**	0.50	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Selenium	ND	0.005	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Silver	ND	0.002	mg/L	1.00	06/24/13 18:00	EPA 200.8		MER	B3E0276
Sodium	**1.8**	0.50	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248
Zinc	ND	0.020	mg/L	1.00	05/13/13 11:25	EPA 200.7		MER	B3E0248

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Subcontracted Analyses

Sample Number 3050196-09
Sample Description MW-13 collected on 05/06/13 13:21

Parameter

Subcontract TOH

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

Sample Number 3050196-11
Sample Description MW-3A collected on 05/06/13 13:35

Parameter

Subcontract TOH

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

Sample Number 3050196-13
Sample Description MW-4 collected on 05/06/13 15:31

Parameter

Subcontract TOH

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

Sample Number 3050196-15
Sample Description MW-9 collected on 05/06/13 16:21

Parameter

Subcontract TOH

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0214 - General Prep - Wet Chem										
Blank (B3E0214-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B3E0214-BS1)										
Nitrite as N	0.494	0.010	mg/L	0.500		99	85-115			
Matrix Spike (B3E0214-MS1)	**Source: 3050195-09**									
Nitrite as N	0.242	0.010	mg/L	0.250	ND	97	80-120			
Matrix Spike Dup (B3E0214-MSD1)	**Source: 3050195-09**									
Nitrite as N	0.244	0.010	mg/L	0.250	ND	98	80-120	0.8	20	
Batch B3E0280 - General Prep - TOC										
Blank (B3E0280-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B3E0280-BS1)										
Total Organic Carbon	3.99		mg/L	4.00		100	85-115			
Matrix Spike (B3E0280-MS1)	**Source: 3050104-18**									
Total Organic Carbon	3.93		mg/L	3.75	ND	100	80-120			
Matrix Spike (B3E0280-MS2)	**Source: 3050196-14**									
Total Organic Carbon	4.03		mg/L	3.75	ND	94	80-120			
Matrix Spike Dup (B3E0280-MSD1)	**Source: 3050104-18**									
Total Organic Carbon	3.84		mg/L	3.75	ND	98	80-120	2	15	
Matrix Spike Dup (B3E0280-MSD2)	**Source: 3050196-14**									
Total Organic Carbon	4.08		mg/L	3.75	ND	95	80-120	1	15	
Batch B3E0338 - General Prep - Solids										
Blank (B3E0338-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0338 - General Prep - Solids										
LCS (B3E0338-BS1)										
Total Dissolved Solids	2030	25.0	mg/L	2030		100	80-120			
Duplicate (B3E0338-DUP1)	**Source: 3050177-03**									
Total Dissolved Solids	7810	250	mg/L		7680			2	15	
Batch B3E0435 - General Prep - IC										
Blank (B3E0435-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0435-BS1)										
Sulfate	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B3E0435-DUP3)	**Source: 3050103-42**									
Sulfate	13.7	5.00	mg/L		14.1			3	20	
Duplicate (B3E0435-DUP4)	**Source: 3050313-01**									
Sulfate	99.6	20.0	mg/L		100			0.7	20	
Matrix Spike (B3E0435-MS3)	**Source: 3050103-42**									
Sulfate	28.5	5.00	mg/L	15.0	14.1	96	90-110			
Matrix Spike (B3E0435-MS4)	**Source: 3050313-01**									
Sulfate	162	20.0	mg/L	60.0	100	102	90-110			
Batch B3E0437 - General Prep - IC										
Blank (B3E0437-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B3E0437-BS1)										
Chloride	4.90	1.00	mg/L	5.00		98	90-110			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0437 - General Prep - IC										
Duplicate (B3E0437-DUP1)	**Source: 3050060-09**									
Chloride	7.80	5.00	mg/L		7.90			1	20	
Duplicate (B3E0437-DUP2)	**Source: 3050198-05RE1**									
Chloride	ND	500	mg/L		ND				20	
Matrix Spike (B3E0437-MS1)	**Source: 3050060-09**									
Chloride	21.0	5.00	mg/L	15.0	7.90	88	90-110			S1
Matrix Spike (B3E0437-MS2)	**Source: 3050198-05RE1**									
Chloride	1420	500	mg/L	1500	ND	76	90-110			S1
Batch B3E0438 - General Prep - IC										
Blank (B3E0438-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B3E0438-BS1)										
Fluoride	0.51	0.10	mg/L	0.500		101	90-110			
Duplicate (B3E0438-DUP1)	**Source: 3050195-09**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B3E0438-MS1)	**Source: 3050195-09**									
Fluoride	0.32	0.10	mg/L	0.300	ND	89	90-110			S1
Batch B3E0660 - General Prep - IC										
Blank (B3E0660-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B3E0660-BS1)										
Sulfate	4.86	1.00	mg/L	5.00		97	90-110			

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0660 - General Prep - IC										
Duplicate (B3E0660-DUP1)	**Source: 3050439-01RE1**									
Sulfate	74.3	20.0	mg/L		76.6			3	20	
Duplicate (B3E0660-DUP2)	**Source: 3050489-01**									
Sulfate	78.1	20.0	mg/L		79.7			2	20	
Matrix Spike (B3E0660-MS1)	**Source: 3050439-01RE1**									
Sulfate	133	20.0	mg/L	60.0	76.6	94	90-110			
Matrix Spike (B3E0660-MS2)	**Source: 3050489-01**									
Sulfate	136	20.0	mg/L	60.0	79.7	94	90-110			
Batch B3E0745 - General Prep - Phenol										
Blank (B3E0745-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Blank (B3E0745-BLK2)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B3E0745-BS1)										
Total Recoverable Phenols	0.037	0.005	mg/L	0.0400		92	90-110			
LCS (B3E0745-BS2)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
Duplicate (B3E0745-DUP1)	**Source: 3050169-01**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Duplicate (B3E0745-DUP2)	**Source: 3050196-12**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B3E0745-MS1)	**Source: 3050169-01**									
Total Recoverable Phenols	0.029	0.005	mg/L	0.0400	ND	73	75-125			S1

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0745 - General Prep - Phenol										
Matrix Spike (B3E0745-MS2)	**Source: 3050196-12**									
Total Recoverable Phenols	0.030	0.005	mg/L	0.0400	ND	74	75-125			S1
Batch B3E0757 - General Prep - Wet Chem KL										
Blank (B3E0757-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B3E0757-BS1)										
Nitrate-Nitrite as N	2.12	0.10	mg/L	2.00		106	85-115			
Matrix Spike (B3E0757-MS1)	**Source: 3050136-27**									
Nitrate-Nitrite as N	1.59	0.10	mg/L	1.25	0.18	112	75-125			
Matrix Spike Dup (B3E0757-MSD1)	**Source: 3050136-27**									
Nitrate-Nitrite as N	1.54	0.10	mg/L	1.25	0.18	109	75-125	3	20	

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0248 - SM 3030C - ICP										
Blank (B3E0248-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.10	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.10	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.50	mg/L							
Sodium	ND	0.50	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B3E0248-BS1)										
Barium	1.0	0.010	mg/L	1.00		100	85-115			
Calcium	0.99	0.10	mg/L	1.00		99	85-115			
Iron	1.0	0.050	mg/L	1.00		100	85-115			
Magnesium	0.99	0.10	mg/L	1.00		99	85-115			
Manganese	1.0	0.010	mg/L	1.00		100	85-115			
Potassium	10	0.50	mg/L	10.0		102	85-115			
Sodium	1.0	0.50	mg/L	1.00		100	85-115			
Zinc	1.0	0.020	mg/L	1.00		100	85-115			
Duplicate (B3E0248-DUP1)	**Source: 3050196-14**									
Barium	0.014	0.010	mg/L		0.014			0.7	20	
Calcium	1.9	0.10	mg/L		1.9			0.4	20	
Iron	ND	0.050	mg/L		ND				20	P3
Magnesium	1.2	0.10	mg/L		1.2			0.3	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.4	0.50	mg/L		1.4			0.6	20	
Sodium	1.7	0.50	mg/L		1.8			0.6	20	
Zinc	ND	0.020	mg/L		ND				20	
Matrix Spike (B3E0248-MS1)	**Source: 3050196-14**									
Barium	0.99	0.010	mg/L	1.00	0.014	98	70-130			
Calcium	2.9	0.10	mg/L	1.00	1.9	100	70-130			
Iron	1.0	0.050	mg/L	1.00	ND	98	70-130			
Magnesium	2.2	0.10	mg/L	1.00	1.2	99	70-130			
Manganese	0.98	0.010	mg/L	1.00	ND	98	70-130			
Potassium	11	0.50	mg/L	10.0	1.4	100	70-130			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0248 - SM 3030C - ICP										
Matrix Spike (B3E0248-MS1)	**Source: 3050196-14**									
Sodium	2.6	0.50	mg/L	1.00	1.8	88	70-130			
Zinc	0.99	0.020	mg/L	1.00	ND	98	70-130			
Post Spike (B3E0248-PS1)	**Source: 3050196-14**									
Barium	1.0		mg/L	1.00	0.014	99	85-115			
Calcium	3.0		mg/L	1.00	1.9	104	85-115			
Iron	1.0		mg/L	1.00	ND	99	85-115			
Magnesium	2.2		mg/L	1.00	1.2	100	85-115			
Manganese	0.99		mg/L	1.00	ND	99	85-115			
Potassium	12		mg/L	10.0	1.4	102	85-115			
Sodium	2.6		mg/L	1.00	1.8	89	85-115			
Zinc	1.0		mg/L	1.00	ND	99	85-115			
Batch B3E0276 - EPA 200.8 Mod										
Blank (B3E0276-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.0010	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B3E0276-BS1)										
Arsenic	0.018	0.005	mg/L	0.0200		92	85-115			
Cadmium	0.020	0.0010	mg/L	0.0200		98	85-115			
Chromium	0.021	0.002	mg/L	0.0200		104	85-115			
Copper	0.019	0.005	mg/L	0.0200		95	85-115			
Lead	0.019	0.005	mg/L	0.0200		95	85-115			
Manganese	0.021	0.005	mg/L	0.0200		104	85-115			
Nickel	0.019	0.005	mg/L	0.0200		95	85-115			
Selenium	0.019	0.005	mg/L	0.0200		94	85-115			
Silver	0.019	0.002	mg/L	0.0200		94	85-115			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0276 - EPA 200.8 Mod										
Matrix Spike (B3E0276-MS1)	**Source: 3050195-07**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	93	70-130			
Cadmium	0.020	0.0010	mg/L	0.0200	ND	97	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.002	98	70-130			
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130			
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130			
Manganese	3.8	0.005	mg/L	0.0200		NR	70-130			S3
Nickel	0.030	0.005	mg/L	0.0200	0.013	88	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	98	70-130			
Silver	0.019	0.002	mg/L	0.0200	ND	96	70-130			
Matrix Spike Dup (B3E0276-MSD1)	**Source: 3050195-07**									
Arsenic	0.019	0.005	mg/L	0.0200	ND	94	70-130	1	20	
Cadmium	0.020	0.0010	mg/L	0.0200	ND	97	70-130	0.3	20	
Chromium	0.023	0.002	mg/L	0.0200	0.002	103	70-130	4	20	
Copper	0.019	0.005	mg/L	0.0200	ND	90	70-130	0.5	20	
Lead	0.019	0.005	mg/L	0.0200	ND	94	70-130	0.425	20	
Manganese	3.9	0.005	mg/L	0.0200		NR	70-130	1	20	S3
Nickel	0.030	0.005	mg/L	0.0200	0.013	87	70-130	0.9	20	
Selenium	0.019	0.005	mg/L	0.0200	ND	96	70-130	2	20	
Silver	0.019	0.002	mg/L	0.0200	ND	95	70-130	0.7	20	
Post Spike (B3E0276-PS1)	**Source: 3050195-07**									
Arsenic	0.023		mg/L	0.0250	ND	98	75-125			
Cadmium	0.024		mg/L	0.0250	ND	96	75-125			
Chromium	0.026		mg/L	0.0250	0.002	96	75-125			
Copper	0.024		mg/L	0.0250	ND	90	75-125			
Lead	0.023		mg/L	0.0250	ND	93	75-125			
Nickel	0.035		mg/L	0.0250	0.012	91	75-125			
Selenium	0.025		mg/L	0.0250	ND	100	75-125			
Silver	0.024		mg/L	0.0250	ND	94	75-125			
Post Spike (B3E0276-PS2)	**Source: 3050195-07**									
Manganese	3.5	0.25	mg/L	1.25		283	75-125			

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Rogers & Callcott
ENVIRONMENTAL

Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B3E0512 - EPA 245.1										
Blank (B3E0512-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B3E0512-BS1)										
Mercury	0.0049	0.00020	mg/L	0.00500		98	85-115			
Duplicate (B3E0512-DUP1)	**Source: 3050104-18**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B3E0512-DUP2)	**Source: 3050198-04**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B3E0512-MS1)	**Source: 3050104-18**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B3E0512-MS2)	**Source: 3050198-04**									
Mercury	0.0044	0.00020	mg/L	0.00500	ND	89	70-130			

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 200.8 Silver/Antimony Digestion				
EPA 200.8 Mod	B3E0276	3050196-10	05/08/2013 12:13	DER
EPA 200.8 Mod	B3E0276	3050196-12	05/08/2013 12:13	DER
EPA 200.8 Mod	B3E0276	3050196-14	05/08/2013 12:13	DER
EPA 245.1 Mercury Digestion				
EPA 245.1	B3E0512	3050196-10	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050196-12	05/16/2013 09:10	MER
EPA 245.1	B3E0512	3050196-14	05/16/2013 09:10	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B3E0248	3050196-10	05/08/2013 10:44	MER
SM 3030C - ICP	B3E0248	3050196-12	05/08/2013 10:44	MER
SM 3030C - ICP	B3E0248	3050196-14	05/08/2013 10:44	MER

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Evergreen Packaging		Project:	MW and SW
175 Main Street		Work Order:	3050196
Canton, NC 28716		Reported:	07/01/13 15:41

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.

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3050196

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: Evergreen Packing
Address: Canton, NC

Report To:
Telephone No.: FAX No.:
PO No.: Project No. 2004-159

						N	N	N	N	N	N	N	Filtered (Yes/No)
						Y	Y	Y	Y	Y	Y	Y	Cooled (Yes/No)
						P	P	P	G	P	G	P	Container Type (P/G)
						500 mL	250 mL	1/2	1L	250 mL	250 mL	250 mL	Container Volume
						G	G	G	G	G	G	G	Sample Type (Grab/Composite)
						GW	GW	GW	GW	GW	GW	GW	Sample Source (WW, GW, DW, Other)
						N	N	N	N	N	N	N	Sample Source Chlorinated (Yes/No)
						NA	NA	NA	NA	NA	/	NA	Lab Receipt Cl_2 Check KRU
						L2	L2	NA	L2	L2	/	L2	Lab Receipt pH Check 5.7.13
						B	B	A	C	I	B	C	Preserved (Code)
Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS	metals	Hg	Cl, Fl, TDS, SO4, NO2	phenol	TOC	TOX ⊗	NO3	COMMENTS:
-09	05/06	1321	MW-13	1						1			-01 through -08
-10		1335	MW-3A	7		1	1	1	1	1	-11 1	1	Field data Collected
-12		1531	MW-4	8		1	1	1	2	1	-13 1	1	metals = As, Ba, Cd, Ca, Cu, Cr
-14		1621	MW-9	7		1	1	1	1	1	-15 1	1	Fe, Pb, Mg, Mn, Ni, K, Se
													Ag, Na, Zn
													⊗ Subcontracted

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

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	05/07/13 1530	② [signature] Shipper Name & #	5.7.13 1530
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ○	Recvd. Intact by ○	Seal # at'chd by ○	Recvd. Intact by ○

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 0.6 °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-3A

Date: 05/06/13 Field Personnel: ATC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny / 55 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 4.17 @ 1147
Total Depth of Well (b): 20.41
Length of Water Column in Well (b-a): 16.24
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	2.6	
3 Casing Vol	7.8	4.1

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 Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/06/13	1152	-	N/A	4.17	0.0	6.14	12.7	1196	N/A	N/A	1	<5.0	
	1158	1	N/A	N/A	2.6	6.46	11.5	1226	N/A	N/A	1	66.7	
	1201	2	N/A	N/A	4.1	6.56	11.3	1221	N/A	N/A	1	392	DRY
	1335	3	N/A	11.31	Sample	6.47	12.9	1181	N/A	N/A	1	85.2	Sample
		4											
		5											
		6											
		7											

05/06/13

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

Well Yield: Low / Moderate / High) Sample Clarity: slightly turbid Precipitate: none Fe^{+2} mg/L= N/A

Sample Collection Time: 1335

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☐ Purging by Volume
☒ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-13

Date: 05/06/13 Field Personnel: MTC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny 155 °F Page 2 of 9

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 14.74 @ 1216
Total Depth of Well (b): 36.79
Length of Water Column in Well (b-a): 22.05
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	3.6	
3 Casing Vol	10.8	14.4

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Tag? 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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/06/13	1219	-	N/A	14.74	0.0	6.77	16.3	1826	N/A	N/A	1	44.9	
	1234	1	0.24	17.08	3.6	6.88	15.7	1745	N/A	N/A	1	44.7	
	1249	2	0.24	17.12	7.2	6.94	15.5	1700	N/A	N/A	1	27.0	
	1305	3	0.22	17.14	10.8	6.91	15.4	1695	N/A	N/A	1	14.9	
	1320	4	0.24	17.15	14.4	6.99	15.6	1678	N/A	N/A	1	9.59	
		5											
		6											
		7											

05/06/13

* 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: TOX 1321

Comments: re-sampled from 5/01/13

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-9

Date: 05/06/13 Field Personnel: MK

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny / 61 °F

Method of Well Evacuation or Sample Collection

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	
☐ 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): 34.84 @ 1400
Total Depth of Well (b): 66.85
Length of Water Column in Well (b-a): 32.01
Well Casing Diameter (inches): 2
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	5.2	
3 Casing Vol	15.6	6.7

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 Tag? Okay / NO
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/06/13	1404	-	N/A	34.84	0.0	6.49	15.7	50.1	N/A	N/A	1	14.8	
|	1414	1	N/A	N/A	5.2	5.83	14.8	410.5	N/A	N/A	1	128	
|	1418	2	N/A	N/A	6.7	5.71	14.3	71.7	N/A	N/A	1	496	ORP
—	1621	3	N/A	38.92	Sample	6.52	16.1	36.8	N/A	N/A	1	13.5	Sample
		4											
		5											
		6											
		7											

05/06/13

* 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: 1621

Comments:

Revised 1-10-13

FIELD DATA LOG FOR GROUNDWATER SAMPLING

☐ Development
☒ Purging by Volume
☐ Low Flow
☐ Micro-Purge

Rogers & Callcott ENVIRONMENTAL

Well Identification or Number: MW-4

Date: 05/06/13 Field Personnel: MTC

Site Name/Location: Evergreen Packing

Weather Conditions/~Temp: Sunny / 61 °F

Method of Well Evacuation or Sample Collection

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

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

Water Volume Calculations

Initial Depth to Ground Water (a): 57.98 @ 1452
Total Depth of Well (b): 83.82
Length of Water Column in Well (b-a): 25.84
Well Casing Diameter (inches): 2
Depth to Immiscible Layer: N/A

# of Casings	Gallons to be Removed	Total Gallons Removed
1 Casing Vol = (b-a) x Multiplier	4.2	
3 Casing Vol	12.6	21.0

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 Tag? Okay / NO
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 (+/- 0.1) (Stabilization)	Temp (°C)	Conductivity (uS/cm) 5%	Dissolved Oxygen (mg/L)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTUs)	Other Parameter or Comments
05/06/13	1503	-	N/A	57.98	0.0	6.21	20.0	919	N/A	N/A	1	16.6	
	1508	1	0.84	66.95	4.2	6.33	17.2	1259	N/A	N/A	1	60.3	
	1513	2	0.84	66.88	8.4	6.39	16.6	1395	N/A	N/A	1	45.0	
	1518	3	0.84	67.54	12.6	6.42	16.5	1466	N/A	N/A	1	28.2	
	1523	4	0.84	69.47	16.8	6.45	16.3	1489	N/A	N/A	1	18.9	
	1528	5	0.84	70.51	21.0	6.47	16.3	1501	N/A	N/A	1	13.1	
		6											
		7											

MTC 05/06/13

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

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

Sample Collection Time: 1531

Comments:

Revised 1-10-13

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: Evergreen Packing **Date:** 05/06/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QVI-12336

Time: 0824 Analyst: AJC Cell Constant 0.462

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.45	20.2
P301864	99.8		101.4	20.2
P301861	998		1014	20.1
P301087	SSS conc:	447	455	20.1

Temperature compensation for pH / conductivity meter : -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600

Time: 0814 Analyst: AJC Slope: 98.0

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		3.99
P204625	7.0		7.03
P204626	10.0		10.05
P204624	SSS conc:	4.0	3.94

Turbidity Meter Calibration Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869 Date of most recent calibration: 05/01/13

Time: 0817 Analyst: AJC

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301996	(0-10)	6.05	6.48
P301997	(0-100)	52.5	53.8
P301998	(0-1000)	436	443

Reviewed by: Date:

Revised 07/21/11

Rogers and Callcott Engineers
Continuing Calibration Verification

Client: Evergreen Packaging

Date: 05/06/13

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion 4 Star

SN: A12882

Probe: QVI-12336

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1215	NJC	99.8	101.3 @ 22.7 °C
1647	NJC	998	1014 @ 27.7 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion 4 Star

Probe: PRI-13600

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1211	NJC	7.0	7.03
1645	NJC	4.0	4.06

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 98070001 8869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1211	NJC	(0-100) 52.5	52.9
1645	NJC	(0-10) 6.05	6.03

Field Duplicate

Well ID: MW-4

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1529	NJC	1500	6.47	13.3	16.5

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

Reviewed by: _____ Date: _____

Revised 08/03/11

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: Evergreen Packing **Date:** 05/07/13

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QV1-12336

Time: 0840 Analyst: RJC Cell Constant 0.464

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P300505	9.69		9.52 ~~10.2~~ RJC 05/07/13	14.6
P301864	99.8		101.2	14.7
P301861	998		1013	14.6
P301087	SSS conc:	447	450	14.6

Temperature compensation for pH / conductivity meter : -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13600

Time: 0830 Analyst: RJC Slope: 99.6

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201751	4.0		4.07
P204625	7.0		7.06
P204626	10.0		10.07
P204624	SSS conc:	4.0	4.08

Turbidity Meter Calibration, Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869 Date of most recent calibration: 05/01/13

Time: 0831 Analyst: RJC

Chemical Inventory	Assigned Conc. of Standard, NTU		Actual Reading of Standard, NTU
P301996	(0-10)	6.05	5.81
P301997	(0-100)	52.5	51.4
P301998	(0-1000)	436	433

Reviewed by: _____ Date: _____

Revised 07/21/11

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: Evergreen Packing **Date:** 05/07/13

Conductivity Meter EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: QVI-12336

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
			@ ____ °C
1202	NJL	998	1014 @ 25.1 °C

< 4 hours mid day not required

pH Meter EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PRI-13600

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1159	NJL	4.0	4.06

< 4 hours mid day not required

Turbidity Meter Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1159	NJL	(0-10) 6.05	6.18

< 4 hours mid day not required

Field Duplicate

Well ID: CP-UP

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1102	NJL	2945	5.63	< 5.0	15.6

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

Reviewed by: _____ Date: _____

Revised 08/03/11

Rogers & Callcott
ENVIRONMENTAL

Sample Receipt Verification

Client: EVERGREEN Date Received: 5.7.13 Work Order: 3050196

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

Tracking Number:

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

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

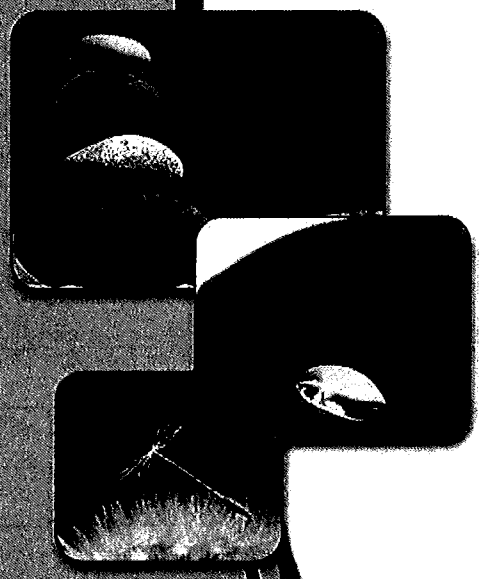
Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue:

Revised November 2012

Completed by: KRU



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26355-1
Client Project/Site: 3050196

For:
Rogers & Callcott Engineers Inc
PO BOX 5655
Greenville, South Carolina 29606

Attn: Ms. Susan Gunter

Roxanne L Connor

Authorized for release by:
5/22/2013 3:28:13 PM
Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

Designee for

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Sample Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26355-1	3050196-09 MW-13	Water	05/06/13 13:21	05/09/13 08:30
490-26355-2	3050196-11 MW-3A	Water	05/06/13 13:35	05/09/13 08:30
490-26355-3	3050196-13 MW-4	Water	05/06/13 15:31	05/09/13 08:30
490-26355-4	3050196-15 MW-9	Water	05/06/13 16:21	05/09/13 08:30

Job ID: 490-26355-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26355-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 1.5° C.

General Chemistry
Method(s) 9020B: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 80507.

No other analytical or quality issues were noted.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Client Sample ID: 3050196-09 MW-13

Lab Sample ID: 490-26355-1

Date Collected: 05/06/13 13:21
Date Received: 05/09/13 08:30

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0680		0.0300		mg/L			05/17/13 09:38	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Client Sample ID: 3050196-11 MW-3A
Date Collected: 05/06/13 13:35
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26355-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.112		0.0300		mg/L			05/17/13 09:38	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Client Sample ID: 3050196-13 MW-4

Lab Sample ID: 490-26355-3

Date Collected: 05/06/13 15:31
Matrix: Water
Date Received: 05/09/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0408		0.0300		mg/L			05/17/13 09:38	1

Client Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Client Sample ID: 3050196-15 MW-9
Date Collected: 05/06/13 16:21
Date Received: 05/09/13 08:30

Lab Sample ID: 490-26355-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	0.0869		0.0300		mg/L			05/17/13 09:38	1

QC Sample Results

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-80507/5
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<0.0300		0.0300		mg/L			05/17/13 09:38	1

Lab Sample ID: LCS 490-80507/4
Matrix: Water
Analysis Batch: 80507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.2359		mg/L		94	90 - 110

TestAmerica Nashville

QC Association Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

General Chemistry

Analysis Batch: 80507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26355-1	3050196-09 MW-13	Total/NA	Water	9020B	
490-26355-2	3050196-11 MW-3A	Total/NA	Water	9020B	
490-26355-3	3050196-13 MW-4	Total/NA	Water	9020B	
490-26355-4	3050196-15 MW-9	Total/NA	Water	9020B	
LCS 490-80507/4	Lab Control Sample	Total/NA	Water	9020B	
MB 490-80507/5	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Client Sample ID: 3050196-09 MW-13

Lab Sample ID: 490-26355-1

Date Collected: 05/06/13 13:21
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050196-11 MW-3A

Lab Sample ID: 490-26355-2

Date Collected: 05/06/13 13:35
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050196-13 MW-4

Lab Sample ID: 490-26355-3

Date Collected: 05/06/13 15:31
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Client Sample ID: 3050196-15 MW-9

Lab Sample ID: 490-26355-4

Date Collected: 05/06/13 16:21
Matrix: Water
Date Received: 05/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	80507	05/17/13 09:38	JF	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Rogers & Callcott Engineers Inc
Project/Site: 3050196

TestAmerica Job ID: 490-26355-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-26355 Chain of Custody

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 8391 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 1.5 *Degrees Celsius*
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA
4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where:
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

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

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

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

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

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #

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

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

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
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 NCM generated? YES...NO...#

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

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

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Loc: 490
26355

Rogers & Callcott Lab No.	Yr. 13 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX							COMMENTS:
Filtered (Yes/No)					N							
Cooled (Yes/No)					Y							
Container Type (P/G)					G							
Container Volume					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												
Lab Receipt pH Check												
Preserved (Code)					B							
305	0196-09	5.6	1321	MW-13	1	1					01	SUB TO TEST AMERICA
	-11		1335	MW-3A	1	1					2	
	-13		1531	MW-4	1	1					3	NC SAMPLES
	-15		1621	MW-9	1	1					4	

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-____

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.8.13 1000	② [signature] Shipper Name & #	05/09/13 0830
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

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

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

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

Form Revised July 2008

R/C COC FORM

Login Sample Receipt Checklist

Client: Rogers & Callcott Engineers Inc

Job Number: 490-26355-1

Login Number: 26355
List Number: 1
Creator: Gambill, Shane

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	