

Richard, Philip E - DNR

Rec 5/15/15
put on BKPD
5/18/15
(99)

From: Ree, Timothy <tree@craworld.com>
Sent: Friday, May 15, 2015 3:07 PM
To: Richard, Philip E - DNR
Cc: Frehner, Ron; Sandberg, Brian; Storlie, Pete
Subject: Penta Wood - WPDES Compliance Sampling 5/6/2015 ~COR-086165~
Attachments: Lab Report-240-50455-1-086165-01-08-2015-05-15.pdf

Phil,

Please find attached the results for the influent and effluent samples collected at the Penta Wood site on 5/6/2015. PCP was detected in the effluent sample at a concentration of 0.083 ug/L (estimated), which meets the permit criteria.

PCP was detected in the influent sample at a concentration of 200 ug/L, which represents a significant decrease as compared to the PCP concentration of 900 ug/L (4/30/2015 after the pumping modification) and 2,900 ug/L (4/23/2015 before the pumping modification). This indicates that the pumping modification continues to reduce the influent PCP concentration and that emulsified oil is not likely being removed with the extracted groundwater.

Please update Kathy Bartilson (WDNR) and Linda Martin (USEPA).

Should you have questions, please do not hesitate to contact me.

Regards,
Tim

Tim Ree
Conestoga-Rovers & Associates (CRA)
1801 Old Highway 8 NW, Suite 114
St Paul, MN 55112

Phone: 651.639.0913
Direct: 651.639-0439 (ext. 338)
Cell: 651.592.7697
Fax: 651.639.0923
Email: tree@CRAworld.com
www.CRAworld.com

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-50455-1

Client Project/Site: 86165-01-01, Penta Wood

For:

Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson



Authorized for release by:
5/15/2015 3:12:51 PM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

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

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





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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Job ID: 240-50455-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86165-01-01, Penta Wood

Report Number: 240-50455-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/08/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.3 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample W-150506-TB-ME (240-50455-2) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/12/2015 and analyzed on 05/14/2015.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

WISCONSIN DRO

Sample W-150506-TB-ME (240-50455-2) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/11/2015 and analyzed on 05/13/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 180098.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Job ID: 240-50455-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED HERBICIDES

Samples W-150506-TB-MI (240-50455-1) and W-150506-TB-ME (240-50455-2) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/12/2015 and analyzed on 05/13/2015 and 05/14/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Sample W-150506-TB-MI (240-50455-1)[2000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8151A	Herbicides (GC)	SW846	TAL PIT
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-50455-1	W-150506-TB-MI	Water	05/06/15 16:50	05/08/15 09:30
240-50455-2	W-150506-TB-ME	Water	05/06/15 16:55	05/08/15 09:30

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Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Client Sample ID: W-150506-TB-MI

Lab Sample ID: 240-50455-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pentachlorophenol	200		49	7.6	ug/L	2000		8151A	Total/NA

Client Sample ID: W-150506-TB-ME

Lab Sample ID: 240-50455-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pentachlorophenol	0.083	J	0.10	0.016	ug/L	4		8151A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Client Sample ID: W-150506-TB-MI

Lab Sample ID: 240-50455-1

Date Collected: 05/06/15 16:50

Matrix: Water

Date Received: 05/08/15 09:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	200		49	7.6	ug/L		05/12/15 17:20	05/14/15 10:26	2000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	0	X D	32 - 140				05/12/15 17:20	05/14/15 10:26	2000

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- 15

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Client Sample ID: W-150506-TB-ME

Lab Sample ID: 240-50455-2

Date Collected: 05/06/15 16:55

Matrix: Water

Date Received: 05/08/15 09:30

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.19	U	0.19	0.060	ug/L		05/12/15 09:01	05/14/15 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		29 - 110				05/12/15 09:01	05/14/15 22:02	1
2-Fluorophenol (Surr)	42		15 - 110				05/12/15 09:01	05/14/15 22:02	1
2,4,6-Tribromophenol (Surr)	81		21 - 128				05/12/15 09:01	05/14/15 22:02	1
Nitrobenzene-d5 (Surr)	72		31 - 110				05/12/15 09:01	05/14/15 22:02	1
Phenol-d5 (Surr)	24		10 - 110				05/12/15 09:01	05/14/15 22:02	1
Terphenyl-d14 (Surr)	70		31 - 115				05/12/15 09:01	05/14/15 22:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.083	J	0.10	0.016	ug/L		05/12/15 17:20	05/13/15 15:41	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	52		32 - 140				05/12/15 17:20	05/13/15 15:41	4

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.10	U	0.10	0.050	mg/L		05/11/15 05:39	05/13/15 00:31	1



Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (29-110)	2FP (15-110)	TBP (21-128)	NBZ (31-110)	PHL (10-110)	TPH (31-115)
240-50455-2	W-150506-TB-ME	78	42	81	72	24	70
LCS 240-180334/21-A	Lab Control Sample	83	64	94	87	50	64
MB 240-180334/20-A	Method Blank	76	62	80	74	46	76

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (32-140)	DCPA2 (32-140)
240-50455-1	W-150506-TB-MI	0 X D	0 X D
240-50455-2	W-150506-TB-ME	52	52
LCS 180-141342/2-A	Lab Control Sample	64	64
MB 180-141342/1-A	Method Blank	39	34

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-180334/20-A

Matrix: Water

Analysis Batch: 180501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 180334

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	0.20	U	0.20	0.063	ug/L		05/12/15 09:01	05/13/15 10:34	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	76		29 - 110	05/12/15 09:01	05/13/15 10:34	1
2-Fluorophenol (Surr)	62		15 - 110	05/12/15 09:01	05/13/15 10:34	1
2,4,6-Tribromophenol (Surr)	80		21 - 128	05/12/15 09:01	05/13/15 10:34	1
Nitrobenzene-d5 (Surr)	74		31 - 110	05/12/15 09:01	05/13/15 10:34	1
Phenol-d5 (Surr)	46		10 - 110	05/12/15 09:01	05/13/15 10:34	1
Terphenyl-d14 (Surr)	76		31 - 115	05/12/15 09:01	05/13/15 10:34	1

Lab Sample ID: LCS 240-180334/21-A

Matrix: Water

Analysis Batch: 180501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 180334

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Naphthalene	20.0	15.6		ug/L		78	52 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	83		29 - 110
2-Fluorophenol (Surr)	64		15 - 110
2,4,6-Tribromophenol (Surr)	94		21 - 128
Nitrobenzene-d5 (Surr)	87		31 - 110
Phenol-d5 (Surr)	50		10 - 110
Terphenyl-d14 (Surr)	64		31 - 115

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 180-141342/1-A

Matrix: Water

Analysis Batch: 141456

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141342

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Pentachlorophenol	0.10	U	0.10	0.016	ug/L		05/12/15 17:20	05/13/15 14:40	4

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	39		32 - 140	05/12/15 17:20	05/13/15 14:40	4

Lab Sample ID: LCS 180-141342/2-A

Matrix: Water

Analysis Batch: 141456

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141342

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Pentachlorophenol	2.50	1.99		ug/L		80	40 - 140

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	64		32 - 140

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 240-180098/2-A
Matrix: Water
Analysis Batch: 180431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180098

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
WI Diesel Range Organics (C10-C28)	0.10	U	0.10	0.050	mg/L		05/11/15 05:39	05/12/15 23:36	1

Lab Sample ID: LCS 240-180098/3-A
Matrix: Water
Analysis Batch: 180431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180098

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
WI Diesel Range Organics (C10-C28)	0.500	0.519		mg/L		104	75 - 115	

Lab Sample ID: LCSD 240-180098/4-A
Matrix: Water
Analysis Batch: 180431

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 180098

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
		Result	Qualifier							
WI Diesel Range Organics (C10-C28)	0.500	0.542		mg/L		108	75 - 115	4	20	

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QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

GC/MS Semi VOA

Prep Batch: 180334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-2	W-150506-TB-ME	Total/NA	Water	3510C	
LCS 240-180334/21-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-180334/20-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 180501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-180334/21-A	Lab Control Sample	Total/NA	Water	8270C	180334
MB 240-180334/20-A	Method Blank	Total/NA	Water	8270C	180334

Analysis Batch: 180710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-2	W-150506-TB-ME	Total/NA	Water	8270C	180334

GC Semi VOA

Prep Batch: 141342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-1	W-150506-TB-MI	Total/NA	Water	8151A	
240-50455-2	W-150506-TB-ME	Total/NA	Water	8151A	
LCS 180-141342/2-A	Lab Control Sample	Total/NA	Water	8151A	
MB 180-141342/1-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 141456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-2	W-150506-TB-ME	Total/NA	Water	8151A	141342
LCS 180-141342/2-A	Lab Control Sample	Total/NA	Water	8151A	141342
MB 180-141342/1-A	Method Blank	Total/NA	Water	8151A	141342

Analysis Batch: 141564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-1	W-150506-TB-MI	Total/NA	Water	8151A	141342

Prep Batch: 180098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-2	W-150506-TB-ME	Total/NA	Water	3520C	
LCS 240-180098/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 240-180098/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 240-180098/2-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 180431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50455-2	W-150506-TB-ME	Total/NA	Water	WI-DRO	180098
LCS 240-180098/3-A	Lab Control Sample	Total/NA	Water	WI-DRO	180098
LCSD 240-180098/4-A	Lab Control Sample Dup	Total/NA	Water	WI-DRO	180098
MB 240-180098/2-A	Method Blank	Total/NA	Water	WI-DRO	180098

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Client Sample ID: W-150506-TB-MI

Lab Sample ID: 240-50455-1

Date Collected: 05/06/15 16:50

Matrix: Water

Date Received: 05/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			141342	05/12/15 17:20	CBY	TAL PIT
Total/NA	Analysis	8151A		2000	141564	05/14/15 10:26	JMO	TAL PIT

Client Sample ID: W-150506-TB-ME

Lab Sample ID: 240-50455-2

Date Collected: 05/06/15 16:55

Matrix: Water

Date Received: 05/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			180334	05/12/15 09:01	JDR	TAL CAN
Total/NA	Analysis	8270C		1	180710	05/14/15 22:02	MRU	TAL CAN
Total/NA	Prep	8151A			141342	05/12/15 17:20	CBY	TAL PIT
Total/NA	Analysis	8151A		4	141456	05/13/15 15:41	JMO	TAL PIT
Total/NA	Prep	3520C			180098	05/11/15 05:39	CSC	TAL CAN
Total/NA	Analysis	WI-DRO		1	180431	05/13/15 00:31	DEB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50455-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999518190	08-31-15

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998027800	08-31-15



**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-50455 Chain of Custody

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CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

38/C4.3

COC NO.: **SP-01329**

Page 1 of 1

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 086165-01-VARIOUS			Laboratory Name: TEST AMERICA			Lab Location: NORTH CANTON, OH			SSOW ID:								
Project Name: PENTAWOOD			Lab Contact:			Lab Quote No:			Cooler No:								
Project Location: SIREN, WI			SAMPLE TYPE:			CONTAINER QUANTITY & PRESERVATION:			ANALYSIS REQUESTED (See Back of COC for Definitions)								
Chemistry Contact: GRANT ANDERSON GANDERSON@CRAWORLD.COM			Matrix Code (see back of COC) Grab (G) or Comp (C)			Unpreserved Hydrochloric Acid (HCl) Nitric Acid (HNO ₃) Sulfuric Acid (H ₂ SO ₄) Sodium Hydroxide (NaOH) Methane/Water (Soil VOC) EnCores 3x5-g, 1x25-g Other:			Total Containers/Sample PCR 8151 WI-DRO NAPHTHALENE			Carrier:					
Sampler(s): TIM BRAUN												Airbill No:					
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yy)			TIME (hh:mm)			MS/MSD Request			Date Shipped:					
1 W-150506-TB-MI			05/06/15			16:50			W G			2			COMMENTS/ SPECIAL INSTRUCTIONS: STANDARD TAT CONTACT GRANT ANDERSON		
2 W-150506-TB-ME			05/06/15			16:55			W G			4 2					
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TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 1 Week 2 Week Other:

Total Number of Containers: **8** Notes/ Special Requirements:
 All Samples in Cooler must be on COC

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1. TIM BRAUN	CRA	5/7/15	16:00	1. [Signature]	TA	5/8/15	9:30
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew CRA Form: COC-10A (20110804)



Canton Facility _____

Client CIA Site Name _____ Cooler unpacked by: _____

Cooler Received on 5-8-15 Opened on 5-8-15

FedEx: 1st Grd UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

- Cooler temperature upon receipt
 - IR GUN# A (CF +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 - IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. 3.8 °C Corrected Cooler Temp. 4.3 °C See Multiple Cooler Form
 - IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 - IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
- Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 - Were custody seals on the outside of the cooler(s) signed & dated? Yes Yes No NA
 - Were custody seals on the bottle(s)? Yes No
- Shippers' packing slip attached to the cooler(s)? Yes No
- Did custody papers accompany the sample(s)? Yes No
- Were the custody papers relinquished & signed in the appropriate place? Yes No
- Was/were the sampler(s) clearly identified on the COC? Yes No
- Did all bottles arrive in good condition (Unbroken)? Yes No
- Could all bottle labels be reconciled with the COC? Yes No
- Were correct bottle(s) used for the test(s) indicated? Yes No
- Sufficient quantity received to perform indicated analyses? Yes No
- Were sample(s) at the correct pH upon receipt? Yes No NA PH Strip Lot# HC432654
- Were VOAs on the COC? Yes No
- Were air bubbles >6 mm in any VOA vials? Yes No NA
- Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: _____

15. SAMPLE CONDITION
 Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION
 Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
W-150506-TB-ME	240-50455-E-2	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
W-150506-TB-ME	240-50455-F-2	Amber Glass 1 liter - Hydrochloric	<2	_____	_____

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Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-50455-1

Login Number: 50455
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/09/15 12:04 PM

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.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	

