Sent to Linda 11/20/14 Put on BRRTS 11/20/14 (89)

Richard, Philip E - DNR

From: Ree, Timothy <tree@craworld.com>
Sent: Wednesday, November 19, 2014 3:51 PM
To: Richard, Philip E - DNR
Cc: Endsley, Erin A - DNR; Frehner, Ron; Storlie, Pete
Subject: RE: Penta Wood - Effluent Compliance Sample 10/28/2014 Re-analyzed ~COR-086165~
Attachments: Lab Report-240-43665-1-086165-01-07-2014-11-19.pdf

Phil,

As discussed, the laboratory re-analyzed the effluent sample collected on 10/28/2014 for PCP due to an error with the initial calibration quality control . PCP was initially detected at 0.11 ug/L (greater than the permit limit) and subsequently detected at an estimated concentration of 0.075 ug/L (less than the permit limit). TestAmerica reported that the reason for the error was that the lab did not "double-spike the quality control". The laboratory apologized for this error and assured us that the issue has been corrected.

Contrary to the initial PCP concentration, the re-analyzed PCP concentration indicates the system is treating and discharging water in accordance with the permit requirements.

The revised laboratory report (attached) includes the re-analyzed result and replaces the laboratory report previously provided to you in the email below.

Please notify USEPA of this error.

Thanks,
Tim

From: Ree, Timothy
Sent: Wednesday, November 05, 2014 4:22 PM
To: 'Phil Richard'
Cc: 'Erin Endsley (Erin.Endsley@wisconsin.gov)'; Frehner, Ron; Storlie, Pete
Subject: Penta Wood - Effluent Compliance Sample 10/28/2014 Noncompliance ~COR-086165~

Phil,

Please find attached a copy of the laboratory report for the WPDES compliance effluent sample collected at the Penta Wood site on 10/28/2014. PCP was detected at a concentration of 0.11 ug/L, which slightly exceeds the permit limit of 0.1 ug/L. However, the concentration is below the WDNR Groundwater Enforcement Standard of 1 ug/L, and the system is significantly reducing the influent water concentrations (>1,000 ug/L). As you are aware, we recently made a modification to the system operation in that influent water pumped from the extraction wells is treated only with carbon adsorption. We collected an initial sample after making the modification on 10/17/2014. The result of the initial sample indicated that the modified treatment process successfully treated water to meet the discharge requirements. The sample collected on 10/28/2014 represents the second sample collected since the modification. The sample analysis was expedited to obtain the result as fast as technically possible (5-day turn-around-time). The effluent concentration noncompliance may be attributed to the recent system shutdown/startup periods.

We collected a compliance sample yesterday (11/4/2014) and requested an expedited turnaround on the analysis. We should receive the result by 11/12/2014. We also collected a sample after the lead carbon unit on 10/28/2014 to monitor potential breakthrough on the lead unit. We should receive that result by 11/12/2014.

CRA reviewed historical effluent compliance sample analytical data through 2013. There were a few samples when similar concentrations were detected and exceeded the criteria. Given the sampling frequency in the database, it appears that the system continued to operate after the non-compliance results were obtained.

Sections 2.2.1.6 and 3.2.1 of the Substantive Requirements of a WPDES Permit require that WDNR's Northern Region (Spooner) be notified within 24 hours of becoming aware of a noncompliance. In addition, Section 3.2.1 of the Permit requires that a written report be submitted to WDNR within 5 days. This written report is due on 11/10/2014. CRA recommends that you notify Kathy Bartilson (WDNR) and Linda Martin (USEPA) of this noncompliance. As a corrective action, we also recommend that we continue to operate the modified system for the next month and continue to collect weekly compliance samples with expedited analyses (5-days). We recommend continued operation of the system as long as the concentrations stay below 1 ug/L. This recommendation is made to evaluate the effluent concentration trends and determine if the noncompliance can be attributed to the recent shutdown period during the modification. The system is currently operating but can be shutdown within 12-hours of receiving notification from WDNR or USEPA. We will provide the results upon receipt from the laboratory.

Should you have questions, please do not hesitate to contact me or Ron Frehner at 651-639-0913.

Regards,

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

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: 240-43665-1
Client Project/Site: 86165-01-07, Penta Wood
Revision: 1

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

Attn: Mr. Grant Anderson

Denise D Heckler

Authorized for release by:
11/19/2014 1:32:50 PM

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

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

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

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
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)

Job ID: 240-43665-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86165-01-07, Penta Wood

Report Number: 240-43665-1

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.

A revised report was provided on November 19, 2014. QC was reanalyzed for pentachlorophenol due to initial calibration issues.

RECEIPT

The samples were received on 10/29/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

CHLORINATED HERBICIDES

Sample W-141028-SR-WE (240-43665-1) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 11/03/2014 and analyzed on 11/04/2014 and 11/19/2014.

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.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch # 123657.

No 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: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Method	Method Description	Protocol	Laboratory
8151A	Herbicides (GC)	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-43665-1	W-141028-SR-WE	Water	10/28/14 12:38	10/29/14 09:20

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Client Sample ID: W-141028-SR-WE **Lab Sample ID: 240-43665-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pentachlorophenol	0.11		0.095	0.015	ug/L	4		8151A	Total/NA
Pentachlorophenol - RA	0.075	J	0.095	0.015	ug/L	4		8151A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Client Sample ID: W-141028-SR-WE
Date Collected: 10/28/14 12:38
Date Received: 10/29/14 09:20

Lab Sample ID: 240-43665-1
Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.11		0.095	0.015	ug/L		11/03/14 08:31	11/04/14 16:23	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*32 - 140*	*11/03/14 08:31*	*11/04/14 16:23*	*4*
2,4-Dichlorophenylacetic acid	*73*		*32 - 140*	*11/03/14 08:31*	*11/04/14 16:23*	*4*

Method: 8151A - Herbicides (GC) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.075	J	0.095	0.015	ug/L		11/03/14 08:31	11/19/14 08:49	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*32 - 140*	*11/03/14 08:31*	*11/19/14 08:49*	*4*
2,4-Dichlorophenylacetic acid	*60*		*32 - 140*	*11/03/14 08:31*	*11/19/14 08:49*	*4*

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (32-140)	DCPA2 (32-140)
240-43665-1	W-141028-SR-WE	74	73
240-43665-1 - RA	W-141028-SR-WE	60	60
LCS 180-123657/2-A	Lab Control Sample	90	98
LCS 180-123657/2-A - RA	Lab Control Sample	84	90
LCSD 180-123657/3-A	Lab Control Sample Dup	94	100
LCSD 180-123657/3-A - RA	Lab Control Sample Dup	69	76
MB 180-123657/1-A - RA	Method Blank	69	79

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Lab Sample ID: LCS 180-123657/2-A
Matrix: Water
Analysis Batch: 123970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123657

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			2.00	2.35		ug/L		117	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*90*		*32 - 140*
2,4-Dichlorophenylacetic acid	*98*		*32 - 140*

Lab Sample ID: LCSD 180-123657/3-A
Matrix: Water
Analysis Batch: 123851

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123657

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			2.00	2.46		ug/L		123	40 - 140	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*94*		*32 - 140*
2,4-Dichlorophenylacetic acid	*100*		*32 - 140*

Method: 8151A - Herbicides (GC) - RA

Lab Sample ID: MB 180-123657/1-A
Matrix: Water
Analysis Batch: 125392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol - RA	0.50	U	0.50	0.078	ug/L		11/03/14 08:31	11/17/14 15:07	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid - RA	*69*		*32 - 140*	*11/03/14 08:31*	*11/17/14 15:07*	*20*
2,4-Dichlorophenylacetic acid - RA	*79*		*32 - 140*	*11/03/14 08:31*	*11/17/14 15:07*	*20*

Lab Sample ID: LCS 180-123657/2-A
Matrix: Water
Analysis Batch: 125392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123657

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol - RA			2.00	2.20		ug/L		110	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid - RA	*84*		*32 - 140*
2,4-Dichlorophenylacetic acid - RA	*90*		*32 - 140*

Method: 8151A - Herbicides (GC) - RA (Continued)

Lab Sample ID: LCSD 180-123657/3-A
Matrix: Water
Analysis Batch: 125392

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123657

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol - RA			2.00	1.62		ug/L		81	40 - 140	30	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid - RA	*69*		*32 - 140*
2,4-Dichlorophenylacetic acid - RA	*76*		*32 - 140*

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

GC Semi VOA

Prep Batch: 123657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-43665-1	W-141028-SR-WE	Total/NA	Water	8151A	
240-43665-1 - RA	W-141028-SR-WE	Total/NA	Water	8151A	
LCS 180-123657/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCS 180-123657/2-A - RA	Lab Control Sample	Total/NA	Water	8151A	
LCSD 180-123657/3-A - RA	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 180-123657/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
MB 180-123657/1-A - RA	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 123851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-43665-1	W-141028-SR-WE	Total/NA	Water	8151A	123657
LCSD 180-123657/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	123657

Analysis Batch: 123970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-123657/2-A	Lab Control Sample	Total/NA	Water	8151A	123657

Analysis Batch: 125392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-123657/2-A - RA	Lab Control Sample	Total/NA	Water	8151A	123657
LCSD 180-123657/3-A - RA	Lab Control Sample Dup	Total/NA	Water	8151A	123657
MB 180-123657/1-A - RA	Method Blank	Total/NA	Water	8151A	123657

Analysis Batch: 125616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-43665-1 - RA	W-141028-SR-WE	Total/NA	Water	8151A	123657

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

Client Sample ID: W-141028-SR-WE
Date Collected: 10/28/14 12:38
Date Received: 10/29/14 09:20

Lab Sample ID: 240-43665-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			123657	11/03/14 08:31	JPM	TAL PIT
Total/NA	Analysis	8151A		4	123851	11/04/14 16:23	DFE	TAL PIT
Total/NA	Prep	8151A	RA		123657	11/03/14 08:31	JPM	TAL PIT
Total/NA	Analysis	8151A	RA	4	125616	11/19/14 08:49	JMO	TAL PIT

Laboratory References:

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: 86165-01-07, Penta Wood

TestAmerica Job ID: 240-43665-1

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

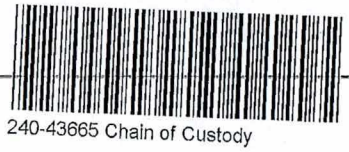
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-43665 Chain of Custody

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

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COC NO. SP- 01435
PAGE ___ OF ___
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 086165-01-01	Laboratory Name: Test America	Lab Location:	SSOW ID:
Project Name: Pentawood	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: Siren, WI			Carrier:
Chemistry Contact: Grant Anderson ganderson@craworld.com			Airbill No:
Sampler(s): S. Roste			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: PCP	MS/MSD Request	Comments/ Special Instructions
1	W-141028-SR-WE	10/28/14	12:38	WT	G	2								2	X		5 Day turn around time
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: 5 Day

Total Number of Containers:
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Steven Roste	CRA	10/28/14	15:45	1. Dakota Clarina	TA-Canton	10/29/14	9:10
2.				2.			
3.				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)

11/19/2014

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 436605

Client CRA Site Name

Cooler unpacked by: Debra Turner

Cooler Received on 10-29-14 Opened on 10-29-14

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

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

1. Cooler temperature upon receipt

IR GUN# A	(CF +2 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF -2 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 5	(CF 0 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 8	(CF 0 °C)	Observed Cooler Temp. 3.4 °C	Corrected Cooler Temp. 3.4 °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC412469
11. Were VOAs on the COC? Yes (No)
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? 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): _____

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-43665-1

Login Number: 43665
List Number: 2
Creator: Neri, Tom

List Source: TestAmerica Pittsburgh
List Creation: 10/30/14 04:49 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	