Rec 5/11/15
out on SRFTS
5/12/15
(EE)

Richard, Philip E - DNR

From: Ree, Timothy <tree@craworld.com>
Sent: Monday, May 11, 2015 4:17 PM
To: Richard, Philip E - DNR
Cc: Frehner, Ron; Sandberg, Brian; Storlie, Pete; Robinson, John H - DNR; Fassbender, Judy L - DNR
Subject: RE: Penta Wood - WPDES Compliance Sampling 4/30/2015~COR-086165~
Attachments: Lab Report-240-50158-1-086165-01-07-2015-05-11.pdf

Phil,

Please find attached the results for the effluent sample collected at the Penta Wood site on 4/30/2015. The sample was collected a few hours after modifying the pumping as discussed below. PCP was detected in the effluent sample at a concentration of 0.071 ug/L (estimated). Based on the four effluent samples collected in April, the average PCP concentration is 0.091 ug/L, which meets the criteria.

CRA also collected an influent sample on 4/30/2015 after the pumping modification. We will provide those results after receiving the lab report.

We will measure groundwater levels at the site this week to confirm hydraulic capture is still being maintained.

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

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

Regards,
Tim

From: Ree, Timothy
Sent: Thursday, April 30, 2015 11:09 AM
To: Philip Richard (Philip.Richard@wisconsin.gov); Robinson, John H - DNR (John.Robinson@wisconsin.gov); Judy Fassbender (Judy.Fassbender@wisconsin.gov)
Cc: Frehner, Ron; Sandberg, Brian; Storlie, Pete
Subject: RE: Penta Wood - WPDES Compliance Sampling 4/6/2015 and 4/16/2015 ~COR-086165~
Importance: High

Phil/John/Judy,

Please find attached the results for the additional sampling conducted at the Penta Wood site on 4/23/2015. The purpose of the sampling was to evaluate how to potentially modify the pumping strategy to address elevated influent PCP concentrations and reduce effluent PCP concentrations.

The good news is that PCP was detected at a concentration of 0.077 ug/L (estimated) in the effluent sample, which meets the permit limit of 0.1 ug/L. Based on the three effluent samples collected in April, the average PCP concentration is 0.097 ug/L, which meets the criteria. We will collect the last effluent sample for April this afternoon.

Additional good news is that PCP was detected at a concentration of 0.15 ug/L in the sample collected between the carbon units. This indicates that a carbon change-out is not required, yet.

Additional influent sampling was conducted at each of the five active extraction wells (EW2, EW4, EW7, EW13, and EW14). PCP concentrations remained relatively low and consistent with sampling in August 2014 and February 2015 in wells EW2 and EW4. PCP concentrations increased significantly in wells EW7, EW13, and EW14 as compared to the August 2014 and February 2015 results. CRA believes that emulsified oil is now being removed from these three wells (EW7, EW13, and EW14) with the increased extraction rates (increased from approximately 6 gpm to 10 gpm per well). The combined influent PCP concentration on 4/23/2015 was approximately double that of the sample collected on 4/3/2015. The influent PCP analytical data and pumping rates are summarized in the attached Table 1.

CRA recommends that the pumping strategy be modified as follows:

- EW2 – increase pumping rate from 10 gpm to 12 gpm
- EW4 – increase pumping rate from 10 gpm to 12 gpm
- EW6 – increase pumping rate from 0 gpm to 6 gpm
- EW7 – decrease pumping rate from 10 gpm to 0 gpm
- EW13 – decrease pumping rate from 10 gpm to 0 gpm
- EW14 – decrease pumping rate from 10 gpm to 0 gpm

This would provide a total extraction rate of approximately 30 gpm and should reduce the combined influent PCP concentration. CRA would measure water levels at the site within 2 weeks of making the pumping change to confirm hydraulic capture is still achieved.

If you agree with this recommendation, please update Kathy Bartilson (WDNR) and Linda Martin (USEPA) and request their approval. We are prepared to make the pumping changes this afternoon before collecting the effluent sample.

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

Regards,
Tim

From: Ree, Timothy
Sent: Wednesday, April 22, 2015 8:45 AM
To: Philip Richard (Philip.Richard@wisconsin.gov); Robinson, John H - DNR (John.Robinson@wisconsin.gov)
Cc: Frehner, Ron; Sandberg, Brian; Storlie, Pete
Subject: Penta Wood - WPDES Compliance Sampling 4/6/2015 and 4/16/2015 ~COR-086165~
Importance: High

Phil/John,

Please find attached copies of the laboratory reports for the WPDES compliance sampling conducted at the Penta Wood site on 4/6/2015 and 4/16/2015. PCP was detected at a concentration of 0.094 ug/L (estimated) on 4/6/2015, which meets the permit limit of 0.1 ug/L. PCP was detected at a concentration of 0.12 ug/L on 4/16/2015, which exceeds the permit limit of 0.1 ug/L. This represents the first sample collected that exceeds the permit limit since implementing the modified pumping strategy on 2/13/2015. However, this result does not represent a noncompliance of the substantive WPDES permit requirements since additional weekly effluent sampling is required to determine the monthly average. Based on the two effluent samples collected in April, the average effluent PCP concentration is 0.107 ug/L. All other parameters met the permit criteria.

Effluent PCP concentrations have been slightly increasing for the past month, but this is the first sample that exceeded the criteria. It has been about 3 months since a carbon change-out was completed and the system was restarted on 1/19/2015.

After the pumping modification, PCP was detected in the influent samples at 480 ug/L in February and 390 ug/L in March. PCP was detected at a significantly increased concentration of 1,500 ug/L in the influent sample on 4/6/2015. CRA believes that we are now extracting emulsified LNAPL from at least one of the extraction wells and that is the reason the effluent exceeded the permit limit.

PCP was detected at 0.016 ug/L (estimated) in the sample collected between the carbon units on 4/10/2015.

CRA recommends that additional samples for PCP be collected of total influent, individual influent at the five active extraction wells, effluent, and between the carbon units to further evaluate whether an adjustment of the current pumping strategy can be made to reduce the influent concentrations and thereby improve treatment to meet the permit limits and still maintain hydraulic capture of the plume area. The analyses would be expedited in an attempt to make a pumping adjustment and collect a subsequent effluent sample before the end of the month. If results are favorable, the monthly average would meet the effluent permit limit.

As we have done in the past, the costs for these additional analyses would be billed under the contract unit prices for expedited PCP analysis. CRA estimates that the additional costs for this sampling and shipping would be less than $1,500.

If you agree with this recommendation, please update Kathy Bartilson (WDNR) and Linda Martin (USEPA) and request their approval. We are prepared to collect these samples as soon as we receive approval.

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

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: 240-50158-1
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

Denise D Heckler

Authorized for release by:
5/11/2015 1:39:58 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.

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 240-50158-1

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.
X	Surrogate is outside control limits
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: 240-50158-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86165-01-01, Penta Wood

Report Number: 240-50158-1

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 05/02/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.9 C.

CHLORINATED HERBICIDES

Sample W-150430-PS-WE (240-50158-1) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/05/2015 and analyzed on 05/07/2015.

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.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 140631.

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: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50158-1

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: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50158-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-50158-1	W-150430-PS-WE	Water	04/30/15 18:20	05/02/15 09:30

Detection Summary

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

TestAmerica Job ID: 240-50158-1

Client Sample ID: W-150430-PS-WE

Lab Sample ID: 240-50158-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pentachlorophenol	0.071	J	0.094	0.015	ug/L	4		8151A	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 240-50158-1

Client Sample ID: W-150430-PS-WE
Date Collected: 04/30/15 18:20
Date Received: 05/02/15 09:30

Lab Sample ID: 240-50158-1
Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.071	J	0.094	0.015	ug/L		05/05/15 15:30	05/07/15 12:25	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*32 - 140*	*05/05/15 15:30*	*05/07/15 12:25*	*4*

Surrogate Summary

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

TestAmerica Job ID: 240-50158-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPA2	DCPA1
Lab Sample ID	**Client Sample ID**	**(32-140)**	**(32-140)**
240-50158-1	W-150430-PS-WE	53	59
LCS 180-140631/2-A	Lab Control Sample	58	50
LCSD 180-140631/3-A	Lab Control Sample Dup	54	51
MB 180-140631/1-A	Method Blank	110	143 X

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 180-140631/1-A
Matrix: Water
Analysis Batch: 140883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140631

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.10	U	0.10	0.016	ug/L		05/05/15 15:30	05/07/15 12:46	4

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*110*		*32 - 140*	*05/05/15 15:30*	*05/07/15 12:46*	*4*

Lab Sample ID: LCS 180-140631/2-A
Matrix: Water
Analysis Batch: 140883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	2.50	2.06		ug/L		83	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*58*		*32 - 140*

Lab Sample ID: LCSD 180-140631/3-A
Matrix: Water
Analysis Batch: 140883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140631

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	2.50	2.03		ug/L		81	40 - 140	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*54*		*32 - 140*

QC Association Summary

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

TestAmerica Job ID: 240-50158-1

GC Semi VOA

Prep Batch: 140631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50158-1	W-150430-PS-WE	Total/NA	Water	8151A	
LCS 180-140631/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 180-140631/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
MB 180-140631/1-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 140883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-50158-1	W-150430-PS-WE	Total/NA	Water	8151A	140631
LCS 180-140631/2-A	Lab Control Sample	Total/NA	Water	8151A	140631
LCSD 180-140631/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	140631
MB 180-140631/1-A	Method Blank	Total/NA	Water	8151A	140631

Lab Chronicle

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

TestAmerica Job ID: 240-50158-1

Client Sample ID: W-150430-PS-WE
Date Collected: 04/30/15 18:20
Date Received: 05/02/15 09:30

Lab Sample ID: 240-50158-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			140631	05/05/15 15:30	CBY	TAL PIT
Total/NA	Analysis	8151A		4	140883	05/07/15 12:25	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: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-50158-1

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

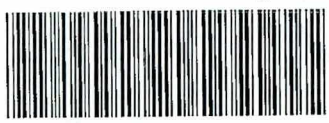
The certifications listed below are applicable to this report.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-50158 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

3,4|C3.9

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

COC NO.: SP- 01591

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 086165-01-01	Laboratory Name: Test America	Lab Location: N. Canton	SSOW ID:
Project Name: Penta Wood	Lab Contact: D. Heckler	Lab Quote No:	Cooler No:
Project Location: Siren, WI			Carrier: Fed Ex
Chemistry Contact: Ganderson@craworld.com			Airbill No:
Sampler(s): P. Storlie			Date Shipped: 5-1-15

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: 8151	MS/MSD Request	Comments/ Special Instructions:
1	W-150430-PS-WE	4/30/15	1820	W	G	2								2	X		Weekly Effluent
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: STANDARD

Total Number of Containers: 2

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	5-1-15	1600	1. Jessie Bondi	TA Canton	5/2/15	9:30
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)

Page 15 of 17

5/1/2015

TestAmerica Canton Sample Receipt Form/Narrative — Login # : 50158
Canton Facility

Client CRA — Site Name Penta Wood — Cooler unpacked by: Jessie Bono

Cooler Received on 5/2/15 — Opened on 5/2/15

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

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

TestAmerica Cooler # NO # 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 +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. 3.4 °C Corrected Cooler Temp. 3.9 °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

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.	Was/were the sampler(s) clearly identified on the COC?	(Yes) No
7.	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8.	Could all bottle labels be reconciled with the COC?	(Yes) No
9.	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
10.	Sufficient quantity received to perform indicated analyses?	(Yes) No
11.	Were sample(s) at the correct pH upon receipt?	Yes No (NA) pH Strip Lot# HC432654
12.	Were VOAs on the COC?	Yes (No)
13.	Were air bubbles >6 mm in any VOA vials?	Yes No (NA)
14.	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): _____

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-50158-1

Login Number: 50158
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/05/15 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	