

## Wickham, Jerry, Env. Health

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**From:** Schaefer, Peter [pschaefer@croworld.com]  
**Sent:** Friday, August 30, 2013 6:35 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** marvin.katz@shell.com; Cool, Aubrey; Project Email Filing  
**Subject:** FW: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: 2Q12 GWM chlorinated solvents ~COR-201232~  
**Attachments:** J7814-1 UDS Level 2 Report Rev(1) Final Report.pdf

Jerry,

Per your request, here is a revised lab report which includes tetrachloroethene and its principle breakdown products (trichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride). None of these analytes were detected.

Regards,

Peter Schaefer  
(510) 420-3319

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**From:** Sanelle, Philip [mailto:Philip.Sanelle@testamericainc.com]  
**Sent:** Wednesday, August 28, 2013 9:50 AM  
**To:** Schaefer, Peter  
**Cc:** Project Email Filing  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Peter,

Attached is the revised report and EDDs with the additional analytes added.

Please let me know if you need anything else,

**HOLIDAY REMINDER - TestAmerica Irvine will be closed on Monday, September 2nd for Labor Day. Please contact your Project Manager in advance if you will need sampling supplies or to make alternative arrangements for submitting samples.**

**PHILIP SANELLE**  
Project Manager

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue  
Suite 100  
Irvine, CA 92614  
Tel: (949) 261-1022 | Fax: (949) 260-3299

[www.testamericainc.com](http://www.testamericainc.com)

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**From:** Schaefer, Peter [mailto:pschaefer@croworld.com]  
**Sent:** Friday, August 23, 2013 6:51 AM  
**To:** Sanelle, Philip  
**Cc:** Project Email Filing  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

Please report the following chlorinated solvents

- PCE
- TCE
- trans-1,2-DCE
- cis-1,2-DCE and
- Vinyl chloride.

Regards,

Peter Schaefer  
(510) 420-3319

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**From:** Sanelle, Philip [<mailto:Philip.Sanelle@testamericainc.com>]

**Sent:** Thursday, August 22, 2013 3:01 PM

**To:** Schaefer, Peter

**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Peter,

I don't know of a standard list. Most of the compounds are 8260B. I found different lists as I did a goggle search.

**PHILIP SANELLE**

Project Manager

TestAmerica

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Irvine, Ca 92614

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**From:** Schaefer, Peter [<mailto:pschaefer@croworld.com>]

**Sent:** Thursday, August 22, 2013 1:31 PM

**To:** Sanelle, Philip

**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

This may be a stupid question, but isn't there a list of standard chlorinated solvents by EPA 8260?

Regards,

Peter Schaefer  
(510) 420-3319

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**From:** Sanelle, Philip [<mailto:Philip.Sanelle@testamericainc.com>]

**Sent:** Thursday, August 22, 2013 12:40 PM

**To:** Schaefer, Peter

**Cc:** Project Email Filing

**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Peter,

What is the list of chlorinated solvents you need? Once I get that list I will check with the lab to see if we can report from the previous run.

**PHILIP SANELLE**  
Project Manager

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

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**From:** Schaefer, Peter [<mailto:pschaefer@croworld.com>]  
**Sent:** Thursday, August 22, 2013 11:50 AM  
**To:** Sanelle, Philip  
**Cc:** Project Email Filing  
**Subject:** 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

Would it be possible to report chlorinated solvents for the 4 groundwater samples in the attached report? If so, please proceed and bill accordingly. Thank you for your help.

Regards,

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**Peter Schaefer, CEG, CHG**  
**Conestoga-Rovers & Associates**  
5900 Hollis Avenue, Suite A  
Emeryville, California 94608-2008

Telephone: (510) 420-3319  
Fax: (510) 420-9170  
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[www.CRAworld.com](http://www.CRAworld.com)

PLEASE THINK BEFORE YOU PRINT 

**Perform every task the safe way, the right way, every time!**



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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-7814-1

Client Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

Revision: 1

For:

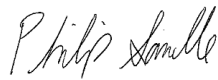
Conestoga-Rovers & Associates, Inc.

5900 Hollis Street

Suite A

Emeryville, California 94608

Attn: Peter Schaefer



Authorized for release by:

8/28/2013 9:47:23 AM

Philip Sanelle, Project Manager I

[philip.sanelle@testamericainc.com](mailto:philip.sanelle@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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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# Sample Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-7814-1	MW-1	Water	04/02/12 13:50	04/05/12 09:55
440-7814-2	MW-2	Water	04/02/12 10:35	04/05/12 09:55
440-7814-3	MW-3	Water	04/02/12 11:15	04/05/12 09:55
440-7814-4	MW-4	Water	04/02/12 12:10	04/05/12 09:55

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# Case Narrative

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

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**Job ID: 440-7814-1**

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**Laboratory: TestAmerica Irvine**

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**Narrative**

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**Job Narrative**  
**440-7814-1**

**Comments**

Revised report to add additional analytes to 8260B list.

**Receipt**

The samples were received on 4/5/2012 9:55 AM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 5.60 C.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 18455. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.



# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

**Client Sample ID: MW-1**

**Lab Sample ID: 440-7814-1**

**Date Collected: 04/02/12 13:50**

**Matrix: Water**

**Date Received: 04/05/12 09:55**

**Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			04/11/12 01:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Dibromofluoromethane (Surr)	96		80 - 120					04/11/12 01:45	1
4-Bromofluorobenzene (Surr)	108		80 - 120					04/11/12 01:45	1
Toluene-d8 (Surr)	104		80 - 120					04/11/12 01:45	1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/12 01:45	1
Ethylbenzene	ND		0.50		ug/L			04/11/12 01:45	1
Toluene	ND		0.50		ug/L			04/11/12 01:45	1
Xylenes, Total	ND		1.0		ug/L			04/11/12 01:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			04/11/12 01:45	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/11/12 01:45	1
Tetrachloroethene	ND		0.50		ug/L			04/11/12 01:45	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 01:45	1
Trichloroethene	ND		0.50		ug/L			04/11/12 01:45	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 01:45	1
Vinyl chloride	ND		0.50		ug/L			04/11/12 01:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	108		80 - 120					04/11/12 01:45	1
Dibromofluoromethane (Surr)	96		80 - 120					04/11/12 01:45	1
Toluene-d8 (Surr)	104		80 - 120					04/11/12 01:45	1

**Client Sample ID: MW-2**

**Lab Sample ID: 440-7814-2**

**Date Collected: 04/02/12 10:35**

**Matrix: Water**

**Date Received: 04/05/12 09:55**

**Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			04/11/12 02:13	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Dibromofluoromethane (Surr)	95		80 - 120					04/11/12 02:13	1
4-Bromofluorobenzene (Surr)	106		80 - 120					04/11/12 02:13	1
Toluene-d8 (Surr)	103		80 - 120					04/11/12 02:13	1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/12 02:13	1
Ethylbenzene	ND		0.50		ug/L			04/11/12 02:13	1
Toluene	ND		0.50		ug/L			04/11/12 02:13	1
Xylenes, Total	ND		1.0		ug/L			04/11/12 02:13	1
<b>Methyl-t-Butyl Ether (MTBE)</b>	<b>1.7</b>		0.50		ug/L			04/11/12 02:13	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/11/12 02:13	1
Tetrachloroethene	ND		0.50		ug/L			04/11/12 02:13	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 02:13	1
Trichloroethene	ND		0.50		ug/L			04/11/12 02:13	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 02:13	1

TestAmerica Irvine



# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Client Sample ID: MW-2

Lab Sample ID: 440-7814-2

Date Collected: 04/02/12 10:35

Matrix: Water

Date Received: 04/05/12 09:55

### Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.50		ug/L			04/11/12 02:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		80 - 120					04/11/12 02:13	1
Dibromofluoromethane (Surr)	95		80 - 120					04/11/12 02:13	1
Toluene-d8 (Surr)	103		80 - 120					04/11/12 02:13	1

## Client Sample ID: MW-3

Lab Sample ID: 440-7814-3

Date Collected: 04/02/12 11:15

Matrix: Water

Date Received: 04/05/12 09:55

### Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			04/11/12 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		80 - 120					04/11/12 02:42	1
4-Bromofluorobenzene (Surr)	107		80 - 120					04/11/12 02:42	1
Toluene-d8 (Surr)	103		80 - 120					04/11/12 02:42	1

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/12 02:42	1
Ethylbenzene	ND		0.50		ug/L			04/11/12 02:42	1
Toluene	ND		0.50		ug/L			04/11/12 02:42	1
Xylenes, Total	ND		1.0		ug/L			04/11/12 02:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			04/11/12 02:42	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/11/12 02:42	1
Tetrachloroethene	ND		0.50		ug/L			04/11/12 02:42	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 02:42	1
Trichloroethene	ND		0.50		ug/L			04/11/12 02:42	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 02:42	1
Vinyl chloride	ND		0.50		ug/L			04/11/12 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		80 - 120					04/11/12 02:42	1
Dibromofluoromethane (Surr)	99		80 - 120					04/11/12 02:42	1
Toluene-d8 (Surr)	103		80 - 120					04/11/12 02:42	1

## Client Sample ID: MW-4

Lab Sample ID: 440-7814-4

Date Collected: 04/02/12 12:10

Matrix: Water

Date Received: 04/05/12 09:55

### Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			04/11/12 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		80 - 120					04/11/12 03:11	1
4-Bromofluorobenzene (Surr)	106		80 - 120					04/11/12 03:11	1
Toluene-d8 (Surr)	102		80 - 120					04/11/12 03:11	1

TestAmerica Irvine

# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

**Client Sample ID: MW-4**

**Lab Sample ID: 440-7814-4**

**Date Collected: 04/02/12 12:10**

**Matrix: Water**

**Date Received: 04/05/12 09:55**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/12 03:11	1
Ethylbenzene	ND		0.50		ug/L			04/11/12 03:11	1
Toluene	ND		0.50		ug/L			04/11/12 03:11	1
Xylenes, Total	ND		1.0		ug/L			04/11/12 03:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			04/11/12 03:11	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/11/12 03:11	1
Tetrachloroethene	ND		0.50		ug/L			04/11/12 03:11	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 03:11	1
Trichloroethene	ND		0.50		ug/L			04/11/12 03:11	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/11/12 03:11	1
Vinyl chloride	ND		0.50		ug/L			04/11/12 03:11	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		80 - 120					04/11/12 03:11	1
Dibromofluoromethane (Surr)	98		80 - 120					04/11/12 03:11	1
Toluene-d8 (Surr)	102		80 - 120					04/11/12 03:11	1

# Method Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM S	Volatile Organic Compounds by GC/MS	SW846	TAL IRV

**Protocol References:**

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

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



# Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Client Sample ID: MW-1

Date Collected: 04/02/12 13:50

Date Received: 04/05/12 09:55

## Lab Sample ID: 440-7814-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	18753	04/11/12 01:45	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	18754	04/11/12 01:45	RM	TAL IRV

## Client Sample ID: MW-2

Date Collected: 04/02/12 10:35

Date Received: 04/05/12 09:55

## Lab Sample ID: 440-7814-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	18753	04/11/12 02:13	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	18754	04/11/12 02:13	RM	TAL IRV

## Client Sample ID: MW-3

Date Collected: 04/02/12 11:15

Date Received: 04/05/12 09:55

## Lab Sample ID: 440-7814-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	18753	04/11/12 02:42	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	18754	04/11/12 02:42	RM	TAL IRV

## Client Sample ID: MW-4

Date Collected: 04/02/12 12:10

Date Received: 04/05/12 09:55

## Lab Sample ID: 440-7814-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	18753	04/11/12 03:11	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	18754	04/11/12 03:11	RM	TAL IRV

### Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 440-18753/4**

**Matrix: Water**

**Analysis Batch: 18753**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/10/12 20:25	1
Ethylbenzene	ND		0.50		ug/L			04/10/12 20:25	1
Toluene	ND		0.50		ug/L			04/10/12 20:25	1
Xylenes, Total	ND		1.0		ug/L			04/10/12 20:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			04/10/12 20:25	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/10/12 20:25	1
Tetrachloroethene	ND		0.50		ug/L			04/10/12 20:25	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/10/12 20:25	1
Trichloroethene	ND		0.50		ug/L			04/10/12 20:25	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/10/12 20:25	1
Vinyl chloride	ND		0.50		ug/L			04/10/12 20:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		80 - 120		04/10/12 20:25	1
Dibromofluoromethane (Surr)	91		80 - 120		04/10/12 20:25	1
Toluene-d8 (Surr)	103		80 - 120		04/10/12 20:25	1

**Lab Sample ID: LCS 440-18753/5**

**Matrix: Water**

**Analysis Batch: 18753**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	22.8		ug/L		91	70 - 120
Ethylbenzene	25.0	22.9		ug/L		92	75 - 125
Toluene	25.0	22.0		ug/L		88	70 - 120
m,p-Xylene	50.0	48.7		ug/L		97	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	22.3		ug/L		89	60 - 135
o-Xylene	25.0	24.2		ug/L		97	75 - 125
tert-Butyl alcohol (TBA)	125	119		ug/L		95	70 - 135
Tetrachloroethene	25.0	24.7		ug/L		99	70 - 125
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	70 - 125
Trichloroethene	25.0	25.0		ug/L		100	70 - 125
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	70 - 125
Vinyl chloride	25.0	20.9		ug/L		84	55 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	103		80 - 120

**Lab Sample ID: 440-7751-D-1 MS**

**Matrix: Water**

**Analysis Batch: 18753**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	23.5		ug/L		94	65 - 125
Ethylbenzene	ND		25.0	23.8		ug/L		95	65 - 130

TestAmerica Irvine

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 440-7751-D-1 MS**

**Matrix: Water**

**Analysis Batch: 18753**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Toluene	ND		25.0	23.8		ug/L		95	70 - 125
m,p-Xylene	ND		50.0	50.7		ug/L		101	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	23.8		ug/L		95	55 - 145
o-Xylene	ND		25.0	25.4		ug/L		102	65 - 125
tert-Butyl alcohol (TBA)	ND		125	126		ug/L		100	65 - 140
Tetrachloroethene	1.3		25.0	27.1		ug/L		103	65 - 130
trans-1,2-Dichloroethene	ND		25.0	25.2		ug/L		101	65 - 130
Trichloroethene	ND		25.0	26.2		ug/L		105	65 - 125
cis-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	65 - 130
Vinyl chloride	ND		25.0	21.8		ug/L		87	45 - 140
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	103		80 - 120						
Dibromofluoromethane (Surr)	96		80 - 120						
Toluene-d8 (Surr)	104		80 - 120						

**Lab Sample ID: 440-7751-D-1 MSD**

**Matrix: Water**

**Analysis Batch: 18753**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		25.0	23.4		ug/L		94	65 - 125	0	20
Ethylbenzene	ND		25.0	22.9		ug/L		92	65 - 130	4	20
Toluene	ND		25.0	23.0		ug/L		92	70 - 125	3	20
m,p-Xylene	ND		50.0	48.2		ug/L		96	65 - 130	5	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	23.0		ug/L		92	55 - 145	3	25
o-Xylene	ND		25.0	24.3		ug/L		97	65 - 125	4	20
tert-Butyl alcohol (TBA)	ND		125	120		ug/L		96	65 - 140	5	25
Tetrachloroethene	1.3		25.0	26.3		ug/L		100	65 - 130	3	20
trans-1,2-Dichloroethene	ND		25.0	24.0		ug/L		96	65 - 130	5	20
Trichloroethene	ND		25.0	25.2		ug/L		101	65 - 125	4	20
cis-1,2-Dichloroethene	ND		25.0	24.8		ug/L		99	65 - 130	5	20
Vinyl chloride	ND		25.0	21.6		ug/L		86	45 - 140	1	30
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	102		80 - 120								
Dibromofluoromethane (Surr)	96		80 - 120								
Toluene-d8 (Surr)	104		80 - 120								

## Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 440-18754/4**

**Matrix: Water**

**Analysis Batch: 18754**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			04/10/12 20:25	1

TestAmerica Irvine

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Method: 8260B/CA\_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 440-18754/4**

**Matrix: Water**

**Analysis Batch: 18754**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	91		80 - 120		04/10/12 20:25	1
4-Bromofluorobenzene (Surr)	106		80 - 120		04/10/12 20:25	1
Toluene-d8 (Surr)	103		80 - 120		04/10/12 20:25	1

**Lab Sample ID: LCS 440-18754/6**

**Matrix: Water**

**Analysis Batch: 18754**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	521		ug/L		104	55 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	108		80 - 120
Toluene-d8 (Surr)	102		80 - 120

**Lab Sample ID: 440-7751-D-1 MS**

**Matrix: Water**

**Analysis Batch: 18754**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
									Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1390		ug/L		80	50 - 145

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: 440-7751-D-1 MSD**

**Matrix: Water**

**Analysis Batch: 18754**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
									Limits	RPD	Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1300		ug/L		76	50 - 145	6	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	104		80 - 120

# QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.  
 Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## GC/MS VOA

### Analysis Batch: 18753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-7751-D-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-7751-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-7814-1	MW-1	Total/NA	Water	8260B	
440-7814-2	MW-2	Total/NA	Water	8260B	
440-7814-3	MW-3	Total/NA	Water	8260B	
440-7814-4	MW-4	Total/NA	Water	8260B	
LCS 440-18753/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-18753/4	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 18754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-7751-D-1 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-7751-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
440-7814-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-7814-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-7814-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-7814-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-18754/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-18754/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	



## Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

### 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)
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)

# Certification Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 1801 Santa Rita Rd., Pleasanton, CA

TestAmerica Job ID: 440-7814-1

## Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-28-14 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-31-14
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

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

TestAmerica Irvine

# Shell Oil Products Chain Of Custody Record



### LAB (LOCATION)

CALSCIENCE ( )  
 SFL Houston ( )  
 XENCO ( )  
 TEST AMERICA (IRVINE)  
 OTHER ( )

### Please Check Appropriate Box:

ENV. SERVICES  
 MOTIVA RETAIL  
 CONSULTANT  
 OTHER ( )

SHELL RETAIL  
 LUBES

**Blaine Tech Services**  
 1680 Rogers Avenue, San Jose, CA  
 PROJECT CONTRACT (Priority of PDF Reports):  
**Lorin King**  
 TELEPHONE: (310) 885-4455 x 108 FAX: (310) 637-5802  
 E-MAIL: lkking@blainetech.com

LOG CODE: BTSS  
 1801 Santa Rita Rd., Pleasanton, CA 94566  
 PHONE NO.: 510-420-3343  
 E-MAIL: ShellEDF@CRAWorld.com  
 Shell-US-LabDataManagement@CRAWorld.com  
 SHELL US LabDataManagement@CRAWorld.com

TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (1-4 DAY)  5 DAYS  3 DAYS  2 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY

SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 EDD NOT NEEDED  
 RECEIPT VERIFICATION REQUESTED

**SPECIAL INSTRUCTIONS OR NOTES:**  
 1) Please upload the "CRA EQUIS 4-file EDD" to the CRA Website (<http://craabddupload.craworld.com/reqs/default.aspx>) and/or send it to the Shell-US-LabDataManagement@CRAWorld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAWorld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, ShellEDF@craworld.com, Shell-US-LabDataManagement@CRAWorld.com, and pschaefer@craworld.com  
 Email invoice to Shell.Lab.Billing@craworld.com

LAB USE ONLY	PROJECT NUMBER	DATE (MM/DD/YY)	WELL ID	SAMPLER INITIALS	TIME	PRESERVATIVE				NO. OF CONT.
						FCL	HR03	H2SO4	NONE	
WG-102502-eal	09 02 12	CW	MW-1		1850	X			X	5
			MW-2		1035	X			X	5
			MW-3		1115	X			X	5
			MW-4		1210	X			X	5

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

Run TPH-D with Silica Gel Clean Up

TPH-DRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYS (MTBE, TBA, DPE, TAM, ETBE) (8260B)	VOCS Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)
X	X	X	X	X	X	X					

TEMPERATURE ON RECEIPT, °C: 5.6 °C

Container PID Readings or Laboratory Notes: RW TPH-D, W/ SILICA, GEL CLEAN UP

Requisitioned by (Signature): [Signature] Date: 4/2/12 Time: 1540  
 Requisitioned by (Signature): [Signature] Date: 4-4-12 Time: 1020  
 Requisitioned by (Signature): [Signature] Date: 4/5/12 Time: 9:55

## Sanelle, Philip

---

**From:** Schaefer, Peter [pschaefer@croworld.com]  
**Sent:** Friday, August 23, 2013 6:51 AM  
**To:** Sanelle, Philip  
**Cc:** Project Email Filing  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

Please report the following chlorinated solvents

- PCE
- TCE
- trans-1,2-DCE
- cis-1,2-DCE and
- Vinyl chloride.

Regards,

Peter Schaefer  
(510) 420-3319

---

**From:** Sanelle, Philip [<mailto:Philip.Sanelle@testamericainc.com>]  
**Sent:** Thursday, August 22, 2013 3:01 PM  
**To:** Schaefer, Peter  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Peter,

I don't know of a standard list. Most of the compounds are 8260B. I found different lists as I did a goggle search.

**PHILIP SANELLE**  
Project Manager

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue  
Suite 100  
Irvine, Ca 92614  
Tel: (949) 261-1022 | Fax: (949) 260-3299

[www.testamericainc.com](http://www.testamericainc.com)

---

**From:** Schaefer, Peter [<mailto:pschaefer@croworld.com>]  
**Sent:** Thursday, August 22, 2013 1:31 PM  
**To:** Sanelle, Philip  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

This may be a stupid question, but isn't there a list of standard chlorinated solvents by EPA 8260?

Regards,

Peter Schaefer  
(510) 420-3319

---

**From:** Sanelle, Philip [<mailto:Philip.Sanelle@testamericainc.com>]  
**Sent:** Thursday, August 22, 2013 12:40 PM  
**To:** Schaefer, Peter  
**Cc:** Project Email Filing  
**Subject:** RE: 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Peter,  
What is the list of chlorinated solvents you need? Once I get that list I will check with the lab to see if we can report from the previous run.

**PHILIP SANELLE**  
Project Manager

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue  
Suite 100  
Irvine, Ca 92614  
Tel: (949) 261-1022 | Fax: (949) 260-3299

[www.testamericainc.com](http://www.testamericainc.com)

---

**From:** Schaefer, Peter [<mailto:pschaefer@croworld.com>]  
**Sent:** Thursday, August 22, 2013 11:50 AM  
**To:** Sanelle, Philip  
**Cc:** Project Email Filing  
**Subject:** 201232-1801 Santa Rita Rd., Pleasanton - 440-7814-1: report chlorinated solvents? ~COR-201232~

Philip,

Would it be possible to report chlorinated solvents for the 4 groundwater samples in the attached report? If so, please proceed and bill accordingly. Thank you for your help.

Regards,

---

**Peter Schaefer, CEG, CHG**  
**Conestoga-Rovers & Associates**  
5900 Hollis Avenue, Suite A  
Emeryville, California 94608-2008

Telephone: (510) 420-3319  
Fax: (510) 420-9170  
Email: [pschaefer@croworld.com](mailto:pschaefer@croworld.com)  
[www.CRAworld.com](http://www.CRAworld.com)

PLEASE THINK BEFORE YOU PRINT 

Perform every task the safe way, the right way, every time!



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## Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-7814-1

Login Number: 7814

List Source: TestAmerica Irvine

List Number: 1

Creator: Escalante, Maria

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	