

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Edison

777 New Durham Road

Edison, NJ 08817

Tel: (732)549-3900

TestAmerica Job ID: 460-31469-1

Client Project/Site: GM Wilmington

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Ms. Sue Scrocchi



Authorized for release by:

11/18/2011 9:08:12 AM

Brian Tortorete

Project Manager II

brian.tortorete@testamericainc.com

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

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

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

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.

General Chemistry

Qualifier	Qualifier Description
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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
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: GM Wilmington

TestAmerica Job ID: 460-31469-1

Job ID: 460-31469-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: GM Wilmington

Report Number: 460-31469-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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.

RECEIPT

The samples were received on 09/21/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL METALS

Samples 460-31469-4, 460-31469-5, 460-31469-11 and 460-31469-20 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/28/2011.

The matrix duplicate %RPD for Iron associated with batch 87517 was outside the control limits due to non homogeneity of the sample.

The matrix spike (MS) recovery for batch 87517 was outside control limits for Aluminum. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Iron failed the recovery criteria low for the MS of sample 460-31616-1 in batch 460-88069. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

Iron exceeded the rpd limit for the duplicate of sample 460-31616-1. Refer to the QC report for details.

Samples 460-31469-4(4X), 460-31469-5(4X), 460-31469-11(4X) and 460-31469-20(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No other difficulties were encountered during the metals analyses.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Job ID: 460-31469-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-31469-4, 460-31469-5, 460-31469-11 and 460-31469-20 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 09/26/2011 and 09/27/2011.

The matrix spike (MS) recovery for batch 87472 was outside control limits for Mercury. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Mercury failed the recovery criteria high for the MS of sample 460-31465-1 in batch 460-87497. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples 460-31469-4 and 460-31469-5 were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 09/26/2011 and analyzed on 09/27/2011.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for MB 460-87235/1-A. Refer to the QC report for details.

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 460-31469-4, 460-31469-5, 460-31469-11 and 460-31469-20 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 09/26/2011, 09/28/2011 and 10/04/2011.

Surrogate recovery for the following sample(s) was outside the upper control limit on primary column. The spike recoveries are within control limits and the surrogate recoveries are within Q.C. limits on secondary column. This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for LCS 460-87233/2-A. Refer to the QC report for details.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-31469-4, 460-31469-5, 460-31469-11 and 460-31469-20 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 09/24/2011 and 09/26/2011 and analyzed on 09/27/2011 and 09/28/2011.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87487 were outside control limits for Chloroethane; MS recoveries were also outside control limits for 1,1,2,2-Tetrachloroethane. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87364 were outside control limits for Chloroethane. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Job ID: 460-31469-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

The matrix spike and/or matrix spike duplicate (MS/MSD) recoveries of Chloroethane, Bromomethane, Methyl Acetate, 1,1-Dichloroethane, and 1,1,2,2-Tetrachloroethane were outside control limits in batch 87647. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The voa samples were collected in 5ml terracore vials; there was insufficient methanol in each container given the amount of soil added. The final volume of methanol was adjusted to 25ml in the voa lab.

Chloroethane failed the recovery criteria low for the MSD of sample 460-31552-5 in batch 460-87497.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-31469-4, 460-31469-5, 460-31469-11 and 460-31469-20 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/25/2011 and 09/28/2011 and analyzed on 09/25/2011 and 09/30/2011.

Several compounds were outside acceptance limits in the capping continuing calibration verification (CCV) associated with batch 87303. Sample matrix is suspected as the cause of this failure. The capping CCV requirement is specific to the Delaware HSCA SOP. All other method-specific calibration verification requirements were met.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87232 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87558 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol failed the recovery criteria low for the MS of sample 460-31328-5 in batch 460-88069. Benzo[a]pyrene failed the recovery criteria high.

2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol failed the recovery criteria low for the MSD of sample 460-31328-5 in batch 460-87603. Benzo[b]fluoranthene failed the recovery criteria high.

2-Nitroaniline failed the recovery criteria high for the MS of sample 460-31469-4 in batch 460-87603.

Several analytes failed the recovery criteria high for the MSD of sample 460-31469-4 in batch 460-87364.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-31469-1 through 460-31469-20 were analyzed for percent solids in accordance with ASTM D2974-87 Modified. The samples were analyzed on 09/23/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: FB-17338-091911-MM-019

Date Collected: 09/19/11 08:30

Date Received: 09/21/11 18:55

Lab Sample ID: 460-31469-1

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	1.0	U	1.0	1.0	%			09/23/11 15:51	1
Percent Solids	100		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-020

Date Collected: 09/19/11 10:40

Date Received: 09/21/11 18:55

Lab Sample ID: 460-31469-2

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.1		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	83.9		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-021

Date Collected: 09/19/11 10:50

Date Received: 09/21/11 18:55

Lab Sample ID: 460-31469-3

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	87.5		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-022

Date Collected: 09/19/11 11:30

Date Received: 09/21/11 18:55

Lab Sample ID: 460-31469-4

Matrix: Solid

Percent Solids: 82.2

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	120	U	120	29	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Benzene	120	U	120	14	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
cis-1,3-Dichloropropene	120	U	120	12	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Carbon disulfide	120	U	120	17	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Bromoform	120	U	120	12	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Tetrachloroethene	120	U	120	23	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,1-Dichloroethane	120	U	120	12	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,2-Dichloroethane	120	U	120	29	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,2-Dichloropropane	120	U	120	10	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,1,2-Trichloroethane	120	U	120	11	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Acetone	1200	U	1200	290	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Methyl acetate	230	U	230	39	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Dichlorodifluoromethane	120	U	120	33	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
4-Methyl-2-pentanone (MIBK)	1200	U	1200	80	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,1,2-Trichloro-1,2,2-trifluoroethane	120	U	120	34	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Methylene Chloride	120	U	120	23	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Chloromethane	120	U	120	25	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Bromomethane	120	U	120	37	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Chlorodibromomethane	120	U	120	12	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Toluene	120	U	120	11	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,2,4-Trichlorobenzene	120	U	120	51	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-022

Lab Sample ID: 460-31469-4

Date Collected: 09/19/11 11:30

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 82.2

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	120	U	120	19	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,2-Dibromo-3-Chloropropane	120	U	120	18	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,3-Dichlorobenzene	120	U	120	26	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Methyl tert-butyl ether	120	U	120	22	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Styrene	120	U	120	16	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
trans-1,2-Dichloroethene	120	U	120	16	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,1,1,2-Tetrachloroethane	120	U	120	10	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Chloroethane	120	U	120	52	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,1-Dichloroethene	120	U	120	17	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,2-Dichlorobenzene	120	U	120	19	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Trichloroethene	120	U	120	21	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
2-Hexanone	1200	U	1200	64	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
2-Butanone (MEK)	1200	U	1200	96	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Ethylbenzene	120	U	120	29	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Isopropylbenzene	120	U	120	25	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Methylcyclohexane	120	U	120	9.4	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Trichlorofluoromethane	120	U	120	18	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Xylenes, Total	350	U	350	51	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Cyclohexane	120	U	120	15	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
trans-1,3-Dichloropropene	120	U	120	14	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
cis-1,2-Dichloroethene	120	U	120	23	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Chloroform	120	U	120	18	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Vinyl chloride	120	U	120	14	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Ethylene Dibromide	120	U	120	11	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Carbon tetrachloride	120	U	120	21	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
1,4-Dichlorobenzene	120	U	120	18	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50
Dichlorobromomethane	120	U	120	11	ug/Kg	☼	09/26/11 16:55	09/27/11 04:53	50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			09/26/11 16:55	09/27/11 04:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	114		50 - 124	09/26/11 16:55	09/27/11 04:53	50
1,2-Dichloroethane-d4 (Surr)	108		57 - 135	09/26/11 16:55	09/27/11 04:53	50
Toluene-d8 (Surr)	106		46 - 130	09/26/11 16:55	09/27/11 04:53	50

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	400	U	400	25	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Phenol	400	U	400	49	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Bis(2-chloroethyl)ether	40	U	40	8.4	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Chlorophenol	400	U	400	54	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Methylphenol	400	U	400	58	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,2'-oxybis[1-chloropropane]	400	U	400	53	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Acetophenone	400	U	400	60	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Methylphenol	400	U	400	66	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
N-Nitrosodi-n-propylamine	40	U	40	5.3	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Hexachloroethane	40	U	40	6.8	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Nitrobenzene	40	U	40	9.0	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Isophorone	400	U	400	46	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Nitrophenol	400	U	400	66	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-022

Lab Sample ID: 460-31469-4

Date Collected: 09/19/11 11:30

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 82.2

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	400	U	400	64	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Bis(2-chloroethoxy)methane	400	U	400	57	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,4-Dichlorophenol	400	U	400	64	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Naphthalene	400	U	400	59	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Chloroaniline	400	U	400	51	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Hexachlorobutadiene	81	U	81	16	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Caprolactam	400	U	400	55	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Chloro-3-methylphenol	400	U	400	67	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Methylnaphthalene	400	U	400	59	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Hexachlorocyclopentadiene	400	U	400	120	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,4,6-Trichlorophenol	400	U	400	72	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,4,5-Trichlorophenol	400	U	400	77	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
1,1'-Biphenyl	400	U	400	66	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Chloronaphthalene	400	U	400	57	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2-Nitroaniline	810	U	810	110	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Dimethyl phthalate	400	U	400	54	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,6-Dinitrotoluene	81	U	81	10	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Acenaphthylene	400	U	400	58	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
3-Nitroaniline	810	U	810	91	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Acenaphthene	400	U	400	57	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,4-Dinitrophenol	1200	U	1200	85	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Nitrophenol	1200	U	1200	100	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Dibenzofuran	400	U	400	60	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
2,4-Dinitrotoluene	81	U	81	12	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Diethyl phthalate	400	U	400	54	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Fluorene	400	U	400	68	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Chlorophenyl phenyl ether	400	U	400	69	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Nitroaniline	810	U	810	83	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4,6-Dinitro-2-methylphenol	1200	U	1200	190	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
N-Nitrosodiphenylamine	400	U	400	66	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
4-Bromophenyl phenyl ether	400	U	400	72	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Hexachlorobenzene	40	U	40	5.6	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Atrazine	400	U	400	75	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Pentachlorophenol	1200	U	1200	200	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Phenanthrene	400	U	400	70	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Anthracene	400	U	400	71	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Carbazole	400	U	400	64	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Di-n-butyl phthalate	400	U	400	62	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Fluoranthene	400	U	400	67	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Pyrene	400	U	400	70	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Butyl benzyl phthalate	400	U	400	47	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
3,3'-Dichlorobenzidine	810	U	810	89	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Benzo[a]anthracene	40	U	40	7.4	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Chrysene	400	U	400	58	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Bis(2-ethylhexyl) phthalate	400	U	400	53	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Di-n-octyl phthalate	400	U	400	48	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Benzo[b]fluoranthene	40	U	40	6.0	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Benzo[k]fluoranthene	40	U	40	5.6	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Benzo[a]pyrene	40	U	40	4.9	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Indeno[1,2,3-cd]pyrene	40	U	40	6.4	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-022

Lab Sample ID: 460-31469-4

Date Collected: 09/19/11 11:30

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 82.2

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	40	U	40	4.8	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1
Benzo[g,h,i]perylene	400	U	400	42	ug/Kg	☼	09/25/11 13:00	09/25/11 23:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			09/25/11 13:00	09/25/11 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		10 - 120	09/25/11 13:00	09/25/11 23:47	1
2-Fluorobiphenyl	92		40 - 109	09/25/11 13:00	09/25/11 23:47	1
2-Fluorophenol (Surr)	81		37 - 125	09/25/11 13:00	09/25/11 23:47	1
Nitrobenzene-d5 (Surr)	89		38 - 105	09/25/11 13:00	09/25/11 23:47	1
Phenol-d5 (Surr)	79		41 - 118	09/25/11 13:00	09/25/11 23:47	1
Terphenyl-d14 (Surr)	86		16 - 151	09/25/11 13:00	09/25/11 23:47	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	8.1	U	8.1	1.5	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
beta-BHC	8.1	U	8.1	1.1	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
delta-BHC	8.1	U	8.1	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
gamma-BHC (Lindane)	8.1	U	8.1	0.95	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Heptachlor	8.1	U	8.1	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Aldrin	8.1	U	8.1	1.8	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Heptachlor epoxide	8.1	U	8.1	1.6	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endosulfan I	8.1	U	8.1	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Dieldrin	8.1	U	8.1	1.6	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
4,4'-DDE	8.1	U	8.1	1.6	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endrin	8.1	U	8.1	1.1	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endosulfan II	8.1	U	8.1	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
4,4'-DDD	8.1	U	8.1	0.97	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endosulfan sulfate	8.1	U	8.1	1.0	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
4,4'-DDT	8.1	U	8.1	1.0	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Methoxychlor	8.1	U	8.1	0.91	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endrin ketone	8.1	U	8.1	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Endrin aldehyde	8.1	U	8.1	2.0	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
alpha-Chlordane	8.1	U	8.1	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
gamma-Chlordane	8.1	U	8.1	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1
Toxaphene	81	U	81	17	ug/Kg	☼	09/26/11 03:13	09/27/11 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		53 - 150	09/26/11 03:13	09/27/11 18:13	1
DCB Decachlorobiphenyl	111		53 - 150	09/26/11 03:13	09/27/11 18:13	1
Tetrachloro-m-xylene	71		40 - 150	09/26/11 03:13	09/27/11 18:13	1
Tetrachloro-m-xylene	75		40 - 150	09/26/11 03:13	09/27/11 18:13	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	81	U	81	16	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
PCB-1221	81	U	81	24	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
PCB-1232	81	U	81	46	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
PCB-1242	81	U	81	15	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
PCB-1248	81	U	81	22	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-022

Lab Sample ID: 460-31469-4

Date Collected: 09/19/11 11:30

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 82.2

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	81	U	81	28	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
PCB-1260	81	U	81	9.1	ug/Kg	☼	09/26/11 02:35	09/26/11 10:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		30 - 150				09/26/11 02:35	09/26/11 10:50	1
DCB Decachlorobiphenyl	99		30 - 150				09/26/11 02:35	09/26/11 10:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8270		45.0	16.5	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Antimony	2.3	U	2.3	0.99	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Arsenic	1.1		1.1	0.78	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Barium	42.9	J	45.0	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Beryllium	0.33	J	0.45	0.20	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Cadmium	1.1	U	1.1	0.18	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Calcium	2430		1130	29.6	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Chromium	7.0		2.3	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Cobalt	2.9	J	11.3	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Copper	8.4		5.6	0.92	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Iron	9610		33.8	12.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Lead	6.2		1.1	0.56	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Magnesium	2180		1130	11.9	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Manganese	239		3.4	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Nickel	3.4	J	9.0	0.60	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Potassium	2100		1130	50.8	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Selenium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Silver	2.3	U	2.3	0.17	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Sodium	102	J	1130	69.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Thallium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Vanadium	13.0		11.3	0.59	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4
Zinc	25.1		6.8	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:41	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036	U	0.036	0.024	mg/Kg	☼	09/26/11 17:35	09/26/11 22:14	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.8		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	82.2		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	110	U	110	27	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Benzene	110	U	110	13	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
cis-1,3-Dichloropropene	110	U	110	11	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	110	U	110	16	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Bromoform	110	U	110	11	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Tetrachloroethene	110	U	110	21	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,1-Dichloroethane	110	U	110	11	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,2-Dichloroethane	110	U	110	27	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,2-Dichloropropane	110	U	110	9.5	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,1,2-Trichloroethane	110	U	110	11	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Acetone	1100	U	1100	270	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Methyl acetate	220	U	220	36	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Dichlorodifluoromethane	110	U	110	31	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
4-Methyl-2-pentanone (MIBK)	1100	U	1100	74	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,1,2-Trichloro-1,2,2-trifluoroethane	110	U	110	31	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Methylene Chloride	110	U	110	21	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Chloromethane	110	U	110	23	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Bromomethane	110	U	110	34	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Chlorodibromomethane	110	U	110	11	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Toluene	110	U	110	10	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,2,4-Trichlorobenzene	110	U	110	48	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Chlorobenzene	110	U	110	18	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,2-Dibromo-3-Chloropropane	110	U	110	17	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,3-Dichlorobenzene	110	U	110	25	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Methyl tert-butyl ether	110	U	110	20	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Styrene	110	U	110	15	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
trans-1,2-Dichloroethene	110	U	110	15	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,1,2,2-Tetrachloroethane	110	U	110	9.4	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Chloroethane	110	U	110	49	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,1-Dichloroethene	110	U	110	15	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,2-Dichlorobenzene	110	U	110	18	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Trichloroethene	110	U	110	19	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
2-Hexanone	1100	U	1100	60	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
2-Butanone (MEK)	1100	U	1100	89	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Ethylbenzene	110	U	110	27	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Isopropylbenzene	110	U	110	23	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Methylcyclohexane	110	U	110	8.7	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Trichlorofluoromethane	110	U	110	17	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Xylenes, Total	330	U	330	47	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Cyclohexane	110	U	110	14	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
trans-1,3-Dichloropropene	110	U	110	13	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
cis-1,2-Dichloroethene	110	U	110	21	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Chloroform	110	U	110	17	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Vinyl chloride	110	U	110	13	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Ethylene Dibromide	110	U	110	10	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Carbon tetrachloride	110	U	110	20	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
1,4-Dichlorobenzene	110	U	110	16	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50
Dichlorobromomethane	110	U	110	9.8	ug/Kg	☼	09/24/11 15:02	09/28/11 20:28	50

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			09/24/11 15:02	09/28/11 20:28	50
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	109		50 - 124				09/24/11 15:02	09/28/11 20:28	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		57 - 135	09/24/11 15:02	09/28/11 20:28	50
Toluene-d8 (Surr)	104		46 - 130	09/24/11 15:02	09/28/11 20:28	50

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	410	U	410	26	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Phenol	410	U	410	50	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Bis(2-chloroethyl)ether	41	U	41	8.6	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Chlorophenol	410	U	410	55	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Methylphenol	410	U	410	59	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,2'-oxybis[1-chloropropane]	410	U	410	54	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Acetophenone	410	U	410	61	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Methylphenol	410	U	410	67	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
N-Nitrosodi-n-propylamine	41	U	41	5.4	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Hexachloroethane	41	U	41	6.9	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Nitrobenzene	41	U	41	9.2	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Isophorone	410	U	410	47	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Nitrophenol	410	U	410	68	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4-Dimethylphenol	410	U	410	66	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Bis(2-chloroethoxy)methane	410	U	410	59	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4-Dichlorophenol	410	U	410	66	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Naphthalene	410	U	410	60	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Chloroaniline	410	U	410	52	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Hexachlorobutadiene	83	U	83	17	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Caprolactam	410	U	410	56	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Chloro-3-methylphenol	410	U	410	69	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Methylnaphthalene	410	U	410	60	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Hexachlorocyclopentadiene	410	U	410	120	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4,6-Trichlorophenol	410	U	410	74	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4,5-Trichlorophenol	410	U	410	79	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
1,1'-Biphenyl	410	U	410	68	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Chloronaphthalene	410	U	410	58	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2-Nitroaniline	830	U	830	110	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Dimethyl phthalate	410	U	410	55	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,6-Dinitrotoluene	83	U	83	10	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Acenaphthylene	410	U	410	59	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
3-Nitroaniline	830	U	830	93	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Acenaphthene	410	U	410	58	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4-Dinitrophenol	1200	U	1200	87	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Nitrophenol	1200	U	1200	110	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Dibenzofuran	410	U	410	62	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
2,4-Dinitrotoluene	83	U	83	12	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Diethyl phthalate	410	U	410	55	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Fluorene	410	U	410	70	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Chlorophenyl phenyl ether	410	U	410	71	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Nitroaniline	830	U	830	85	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4,6-Dinitro-2-methylphenol	1200	U	1200	200	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
N-Nitrosodiphenylamine	410	U	410	67	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
4-Bromophenyl phenyl ether	410	U	410	73	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1
Hexachlorobenzene	41	U	41	5.7	ug/Kg	☆	09/25/11 13:00	09/25/11 23:22	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	410	U	410	77	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Pentachlorophenol	1200	U	1200	200	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Phenanthrene	410	U	410	72	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Anthracene	410	U	410	73	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Carbazole	410	U	410	65	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Di-n-butyl phthalate	410	U	410	63	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Fluoranthene	410	U	410	68	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Pyrene	410	U	410	71	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Butyl benzyl phthalate	410	U	410	48	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
3,3'-Dichlorobenzidine	830	U	830	91	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Benzo[a]anthracene	41	U	41	7.6	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Chrysene	410	U	410	60	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Bis(2-ethylhexyl) phthalate	410	U	410	55	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Di-n-octyl phthalate	410	U	410	49	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Benzo[b]fluoranthene	41	U	41	6.1	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Benzo[k]fluoranthene	41	U	41	5.7	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Benzo[a]pyrene	41	U	41	5.1	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Indeno[1,2,3-cd]pyrene	41	U	41	6.6	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Dibenz(a,h)anthracene	41	U	41	4.9	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1
Benzo[g,h,i]perylene	410	U	410	43	ug/Kg	☼	09/25/11 13:00	09/25/11 23:22	1

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			09/25/11 13:00	09/25/11 23:22	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		10 - 120	09/25/11 13:00	09/25/11 23:22	1
2-Fluorobiphenyl	89		40 - 109	09/25/11 13:00	09/25/11 23:22	1
2-Fluorophenol (Surr)	74		37 - 125	09/25/11 13:00	09/25/11 23:22	1
Nitrobenzene-d5 (Surr)	84		38 - 105	09/25/11 13:00	09/25/11 23:22	1
Phenol-d5 (Surr)	71		41 - 118	09/25/11 13:00	09/25/11 23:22	1
Terphenyl-d14 (Surr)	81		16 - 151	09/25/11 13:00	09/25/11 23:22	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	8.3	U	8.3	1.5	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
beta-BHC	8.3	U	8.3	1.1	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
delta-BHC	8.3	U	8.3	1.3	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
gamma-BHC (Lindane)	8.3	U	8.3	0.97	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Heptachlor	8.3	U	8.3	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Aldrin	8.3	U	8.3	1.8	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Heptachlor epoxide	8.3	U	8.3	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Endosulfan I	8.3	U	8.3	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Dieldrin	8.3	U	8.3	1.6	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
4,4'-DDE	8.3	U	8.3	1.6	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Endrin	8.3	U	8.3	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Endosulfan II	8.3	U	8.3	1.3	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
4,4'-DDD	8.3	U	8.3	0.99	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Endosulfan sulfate	8.3	U	8.3	1.1	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
4,4'-DDT	8.3	U	8.3	1.0	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Methoxychlor	8.3	U	8.3	0.93	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Endrin ketone	8.3	U	8.3	1.2	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	8.3	U	8.3	2.1	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
alpha-Chlordane	8.3	U	8.3	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
gamma-Chlordane	8.3	U	8.3	1.7	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1
Toxaphene	83	U	83	17	ug/Kg	☼	09/26/11 03:13	09/27/11 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		53 - 150	09/26/11 03:13	09/27/11 18:27	1
DCB Decachlorobiphenyl	109		53 - 150	09/26/11 03:13	09/27/11 18:27	1
Tetrachloro-m-xylene	63		40 - 150	09/26/11 03:13	09/27/11 18:27	1
Tetrachloro-m-xylene	66		40 - 150	09/26/11 03:13	09/27/11 18:27	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	83	U	83	16	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1221	83	U	83	25	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1232	83	U	83	47	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1242	83	U	83	16	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1248	83	U	83	22	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1254	83	U	83	28	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1
PCB-1260	83	U	83	9.3	ug/Kg	☼	09/26/11 02:35	09/26/11 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	123		30 - 150	09/26/11 02:35	09/26/11 12:09	1
DCB Decachlorobiphenyl	113		30 - 150	09/26/11 02:35	09/26/11 12:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19000		46.9	17.2	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Antimony	2.3	U	2.3	1.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Arsenic	1.8		1.2	0.82	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Barium	75.3		46.9	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Beryllium	0.39	J	0.47	0.21	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Cadmium	1.2	U	1.2	0.18	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Calcium	626	J	1170	30.8	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Chromium	29.0		2.3	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Cobalt	2.3	J	11.7	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Copper	4.1	J	5.9	0.96	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Iron	14500		35.2	12.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Lead	11.0		1.2	0.59	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Magnesium	1400		1170	12.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Manganese	44.1		3.5	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Nickel	7.4	J	9.4	0.63	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Potassium	596	J	1170	52.9	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Selenium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Silver	2.3	U	2.3	0.18	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Sodium	227	J	1170	72.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Thallium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Vanadium	40.0		11.7	0.61	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4
Zinc	20.3		7.0	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:45	4

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040	U	0.040	0.027	mg/Kg	☆	09/26/11 17:35	09/26/11 22:31	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	80.5		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-024

Lab Sample ID: 460-31469-6

Date Collected: 09/19/11 11:50

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	91.0		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-025

Lab Sample ID: 460-31469-7

Date Collected: 09/19/11 12:30

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.1		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	81.9		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-026

Lab Sample ID: 460-31469-8

Date Collected: 09/19/11 12:50

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	89.5		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-027

Lab Sample ID: 460-31469-9

Date Collected: 09/19/11 13:40

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.3		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	83.7		1.0	1.0	%			09/23/11 15:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-028

Lab Sample ID: 460-31469-10

Date Collected: 09/19/11 14:00

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.2		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	84.8		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-030

Lab Sample ID: 460-31469-11

Date Collected: 09/19/11 14:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 89.1

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	91	U	91	22	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Benzene	91	U	91	11	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
cis-1,3-Dichloropropene	91	U	91	9.3	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Carbon disulfide	91	U	91	13	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Bromoform	91	U	91	9.0	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Tetrachloroethene	91	U	91	18	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,1-Dichloroethane	91	U	91	9.1	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,2-Dichloroethane	91	U	91	22	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,2-Dichloropropane	91	U	91	7.9	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,1,2-Trichloroethane	91	U	91	8.8	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Acetone	910	U	910	230	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Methyl acetate	180	U	180	30	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Dichlorodifluoromethane	91	U	91	26	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
4-Methyl-2-pentanone (MIBK)	910	U	910	62	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,1,2-Trichloro-1,2,2-trifluoroethane	91	U	91	26	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Methylene Chloride	91	U	91	18	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Chloromethane	91	U	91	19	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Bromomethane	91	U	91	29	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Chlorodibromomethane	91	U	91	9.1	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Toluene	91	U	91	8.6	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,2,4-Trichlorobenzene	91	U	91	40	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Chlorobenzene	91	U	91	15	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,2-Dibromo-3-Chloropropane	91	U	91	14	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,3-Dichlorobenzene	91	U	91	20	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Methyl tert-butyl ether	91	U	91	17	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Styrene	91	U	91	13	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
trans-1,2-Dichloroethene	91	U	91	13	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,1,2,2-Tetrachloroethane	91	U	91	7.8	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Chloroethane	91	U	91	40	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,1-Dichloroethene	91	U	91	13	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,2-Dichlorobenzene	91	U	91	15	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Trichloroethene	91	U	91	16	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
2-Hexanone	910	U	910	50	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
2-Butanone (MEK)	910	U	910	75	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Ethylbenzene	91	U	91	22	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Isopropylbenzene	91	U	91	19	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Methylcyclohexane	91	U	91	7.3	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Trichlorofluoromethane	91	U	91	14	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Xylenes, Total	270	U	270	39	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Cyclohexane	91	U	91	11	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-030

Lab Sample ID: 460-31469-11

Date Collected: 09/19/11 14:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 89.1

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	91	U	91	11	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
cis-1,2-Dichloroethene	91	U	91	18	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Chloroform	91	U	91	14	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Vinyl chloride	91	U	91	11	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Ethylene Dibromide	91	U	91	8.3	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Carbon tetrachloride	91	U	91	16	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
1,4-Dichlorobenzene	91	U	91	14	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50
Dichlorobromomethane	91	U	91	8.1	ug/Kg	☼	09/26/11 16:58	09/28/11 02:16	50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			09/26/11 16:58	09/28/11 02:16	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		50 - 124	09/26/11 16:58	09/28/11 02:16	50
1,2-Dichloroethane-d4 (Surr)	108		57 - 135	09/26/11 16:58	09/28/11 02:16	50
Toluene-d8 (Surr)	106		46 - 130	09/26/11 16:58	09/28/11 02:16	50

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	370	U	370	23	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Phenol	370	U	370	45	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Bis(2-chloroethyl)ether	37	U	37	7.7	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Chlorophenol	370	U	370	49	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Methylphenol	370	U	370	53	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,2'-oxybis[1-chloropropane]	370	U	370	49	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Acetophenone	370	U	370	55	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Methylphenol	370	U	370	61	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
N-Nitrosodi-n-propylamine	37	U	37	4.9	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Hexachloroethane	37	U	37	6.2	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Nitrobenzene	37	U	37	8.3	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Isophorone	370	U	370	43	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Nitrophenol	370	U	370	61	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4-Dimethylphenol	370	U	370	59	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Bis(2-chloroethoxy)methane	370	U	370	53	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4-Dichlorophenol	370	U	370	59	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Naphthalene	370	U	370	54	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Chloroaniline	370	U	370	47	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Hexachlorobutadiene	75	U	75	15	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Caprolactam	370	U	370	51	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Chloro-3-methylphenol	370	U	370	62	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Methylnaphthalene	370	U	370	54	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Hexachlorocyclopentadiene	370	U	370	110	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4,6-Trichlorophenol	370	U	370	66	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4,5-Trichlorophenol	370	U	370	71	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
1,1'-Biphenyl	370	U	370	61	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Chloronaphthalene	370	U	370	52	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2-Nitroaniline	750	U	750	100	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Dimethyl phthalate	370	U	370	50	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,6-Dinitrotoluene	75	U	75	9.4	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Acenaphthylene	370	U	370	53	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
3-Nitroaniline	750	U	750	84	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-030

Lab Sample ID: 460-31469-11

Date Collected: 09/19/11 14:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 89.1

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	370	U	370	53	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4-Dinitrophenol	1100	U	1100	79	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Nitrophenol	1100	U	1100	95	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Dibenzofuran	370	U	370	56	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
2,4-Dinitrotoluene	75	U	75	11	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Diethyl phthalate	370	U	370	50	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Fluorene	370	U	370	63	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Chlorophenyl phenyl ether	370	U	370	64	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Nitroaniline	750	U	750	76	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4,6-Dinitro-2-methylphenol	1100	U	1100	180	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
N-Nitrosodiphenylamine	370	U	370	60	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
4-Bromophenyl phenyl ether	370	U	370	66	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Hexachlorobenzene	37	U	37	5.1	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Atrazine	370	U	370	69	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Pentachlorophenol	1100	U	1100	180	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Phenanthrene	370	U	370	65	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Anthracene	370	U	370	65	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Carbazole	370	U	370	59	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Di-n-butyl phthalate	370	U	370	57	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Fluoranthene	370	U	370	62	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Pyrene	370	U	370	64	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Butyl benzyl phthalate	370	U	370	43	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
3,3'-Dichlorobenzidine	750	U	750	82	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Benzo[a]anthracene	37	U	37	6.8	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Chrysene	370	U	370	54	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Bis(2-ethylhexyl) phthalate	370	U	370	49	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Di-n-octyl phthalate	370	U	370	44	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Benzo[b]fluoranthene	37	U	37	5.5	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Benzo[k]fluoranthene	37	U	37	5.2	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Benzo[a]pyrene	37	U	37	4.6	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Indeno[1,2,3-cd]pyrene	37	U	37	5.9	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Dibenz(a,h)anthracene	37	U	37	4.5	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1
Benzo[g,h,i]perylene	370	U	370	39	ug/Kg	☼	09/28/11 11:30	09/30/11 16:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			09/28/11 11:30	09/30/11 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	46		10 - 120	09/28/11 11:30	09/30/11 16:47	1
2-Fluorobiphenyl	86		40 - 109	09/28/11 11:30	09/30/11 16:47	1
2-Fluorophenol (Surr)	78		37 - 125	09/28/11 11:30	09/30/11 16:47	1
Nitrobenzene-d5 (Surr)	86		38 - 105	09/28/11 11:30	09/30/11 16:47	1
Phenol-d5 (Surr)	78		41 - 118	09/28/11 11:30	09/30/11 16:47	1
Terphenyl-d14 (Surr)	88		16 - 151	09/28/11 11:30	09/30/11 16:47	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	75	U	75	14	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
PCB-1221	75	U	75	23	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
PCB-1232	75	U	75	43	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
PCB-1242	75	U	75	14	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-030

Lab Sample ID: 460-31469-11

Date Collected: 09/19/11 14:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 89.1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	75	U	75	20	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
PCB-1254	75	U	75	26	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
PCB-1260	75	U	75	8.4	ug/Kg	☼	09/28/11 03:42	09/28/11 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		30 - 150				09/28/11 03:42	09/28/11 14:33	1
DCB Decachlorobiphenyl	104		30 - 150				09/28/11 03:42	09/28/11 14:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15600		42.4	15.5	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Antimony	2.1	U	2.1	0.93	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Arsenic	1.1	U	1.1	0.74	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Barium	42.3	J	42.4	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Beryllium	0.42	U	0.42	0.19	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Cadmium	1.1	U	1.1	0.17	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Calcium	325	J	1060	27.9	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Chromium	15.8		2.1	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Cobalt	10.6	U	10.6	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Copper	5.2	J	5.3	0.86	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Iron	3660		31.8	11.2	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Lead	4.0		1.1	0.53	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Magnesium	475	J	1060	11.2	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Manganese	18.4		3.2	1.2	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Nickel	8.9		8.5	0.57	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Potassium	307	J	1060	47.8	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Selenium	2.1	U	2.1	0.99	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Silver	2.1	U	2.1	0.16	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Sodium	76.1	J	1060	65.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Thallium	2.1	U	2.1	1.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Vanadium	21.9		10.6	0.55	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4
Zinc	7.8		6.4	1.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:49	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029	J	0.033	0.022	mg/Kg	☼	09/27/11 17:50	09/27/11 21:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.9		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	89.1		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-091911-MM-029

Lab Sample ID: 460-31469-12

Date Collected: 09/19/11 00:00

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	94.1		1.0	1.0	%			09/23/11 15:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-031

Lab Sample ID: 460-31469-13

Date Collected: 09/20/11 09:30

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20.3		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	79.7		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-032

Lab Sample ID: 460-31469-14

Date Collected: 09/20/11 09:45

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	80.5		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-033

Lab Sample ID: 460-31469-15

Date Collected: 09/20/11 10:20

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	87.5		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-034

Lab Sample ID: 460-31469-16

Date Collected: 09/20/11 10:45

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.9		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	85.1		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-035

Lab Sample ID: 460-31469-17

Date Collected: 09/20/11 15:50

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.7		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	90.3		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-036

Lab Sample ID: 460-31469-18

Date Collected: 09/20/11 14:00

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.9		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	81.1		1.0	1.0	%			09/23/11 15:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-037

Lab Sample ID: 460-31469-19

Date Collected: 09/20/11 14:40

Matrix: Solid

Date Received: 09/21/11 18:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.8		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	85.2		1.0	1.0	%			09/23/11 15:51	1

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	89	U	89	22	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Benzene	89	U	89	11	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
cis-1,3-Dichloropropene	89	U	89	9.1	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Carbon disulfide	89	U	89	13	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Bromoform	89	U	89	8.8	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Tetrachloroethene	89	U	89	17	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,1-Dichloroethane	89	U	89	8.9	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,2-Dichloroethane	89	U	89	22	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,2-Dichloropropane	89	U	89	7.8	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,1,2-Trichloroethane	89	U	89	8.7	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Acetone	890	U	890	220	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Methyl acetate	830		180	29	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Dichlorodifluoromethane	89	U	89	25	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
4-Methyl-2-pentanone (MIBK)	890	U	890	61	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,1,2-Trichloro-1,2,2-trifluoroethane	89	U	89	26	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Methylene Chloride	89	U	89	17	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Chloromethane	89	U	89	19	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Bromomethane	89	U	89	28	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Chlorodibromomethane	89	U	89	8.9	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Toluene	89	U	89	8.4	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,2,4-Trichlorobenzene	89	U	89	39	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Chlorobenzene	89	U	89	15	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,2-Dibromo-3-Chloropropane	89	U	89	14	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,3-Dichlorobenzene	89	U	89	20	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Methyl tert-butyl ether	89	U	89	16	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Styrene	89	U	89	12	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
trans-1,2-Dichloroethene	89	U	89	12	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,1,2,2-Tetrachloroethane	89	U	89	7.7	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Chloroethane	89	U	89	40	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,1-Dichloroethene	89	U	89	13	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,2-Dichlorobenzene	89	U	89	14	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Trichloroethene	89	U	89	16	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
2-Hexanone	890	U	890	49	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
2-Butanone (MEK)	890	U	890	73	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Ethylbenzene	23	J	89	22	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Isopropylbenzene	89	U	89	19	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Methylcyclohexane	89	U	89	7.1	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Trichlorofluoromethane	89	U	89	14	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Xylenes, Total	100	J	270	39	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Cyclohexane	89	U	89	11	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	89	U	89	11	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
cis-1,2-Dichloroethene	89	U	89	17	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Chloroform	89	U	89	14	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Vinyl chloride	89	U	89	11	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Ethylene Dibromide	89	U	89	8.1	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Carbon tetrachloride	89	U	89	16	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
1,4-Dichlorobenzene	89	U	89	13	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50
Dichlorobromomethane	89	U	89	8.0	ug/Kg	☼	09/26/11 17:02	09/27/11 05:18	50

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Propanoic acid, 2-methyl-, methyl ester	1400	J N	ug/Kg	☼	8.05	547-63-7	09/26/11 17:02	09/27/11 05:18	50

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		50 - 124	09/26/11 17:02	09/27/11 05:18	50
1,2-Dichloroethane-d4 (Surr)	101		57 - 135	09/26/11 17:02	09/27/11 05:18	50
Toluene-d8 (Surr)	98		46 - 130	09/26/11 17:02	09/27/11 05:18	50

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	390	U	390	24	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Phenol	390	U	390	47	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Bis(2-chloroethyl)ether	39	U	39	8.1	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Chlorophenol	390	U	390	52	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Methylphenol	390	U	390	56	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,2'-oxybis[1-chloropropane]	390	U	390	51	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Acetophenone	390	U	390	57	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Methylphenol	390	U	390	63	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
N-Nitrosodi-n-propylamine	39	U	39	5.1	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Hexachloroethane	39	U	39	6.5	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Nitrobenzene	39	U	39	8.6	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Isophorone	390	U	390	44	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Nitrophenol	390	U	390	64	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4-Dimethylphenol	390	U	390	62	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Bis(2-chloroethoxy)methane	390	U	390	55	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4-Dichlorophenol	390	U	390	62	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Naphthalene	59	J	390	57	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Chloroaniline	390	U	390	49	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Hexachlorobutadiene	78	U	78	16	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Caprolactam	390	U	390	53	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Chloro-3-methylphenol	390	U	390	65	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Methylnaphthalene	65	J	390	56	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Hexachlorocyclopentadiene	390	U	390	110	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4,6-Trichlorophenol	390	U	390	69	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4,5-Trichlorophenol	390	U	390	74	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
1,1'-Biphenyl	390	U	390	64	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Chloronaphthalene	390	U	390	55	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2-Nitroaniline	780	U	780	110	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Dimethyl phthalate	390	U	390	52	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,6-Dinitrotoluene	78	U	78	9.8	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Acenaphthylene	390	U	390	55	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	780	U	780	87	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Acenaphthene	390	U	390	55	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4-Dinitrophenol	1200	U	1200	82	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Nitrophenol	1200	U	1200	99	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Dibenzofuran	390	U	390	58	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
2,4-Dinitrotoluene	78	U	78	11	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Diethyl phthalate	390	U	390	52	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Fluorene	390	U	390	65	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Chlorophenyl phenyl ether	390	U	390	67	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Nitroaniline	780	U	780	80	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4,6-Dinitro-2-methylphenol	1200	U	1200	180	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
N-Nitrosodiphenylamine	390	U	390	63	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
4-Bromophenyl phenyl ether	390	U	390	69	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Hexachlorobenzene	39	U	39	5.4	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Atrazine	390	U	390	72	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Pentachlorophenol	1200	U	1200	190	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Phenanthrene	130	J	390	67	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Anthracene	390	U	390	68	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Carbazole	390	U	390	61	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Di-n-butyl phthalate	84	J	390	59	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Fluoranthene	110	J	390	64	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Pyrene	74	J	390	67	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Butyl benzyl phthalate	4800		390	45	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
3,3'-Dichlorobenzidine	780	U	780	86	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Benzo[a]anthracene	48		39	7.2	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Chrysene	390	U	390	56	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Bis(2-ethylhexyl) phthalate	740		390	51	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Di-n-octyl phthalate	390	U	390	46	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Benzo[b]fluoranthene	43		39	5.8	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Benzo[k]fluoranthene	14	J	39	5.4	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Benzo[a]pyrene	25	J	39	4.8	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Indeno[1,2,3-cd]pyrene	10	J	39	6.2	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Dibenz(a,h)anthracene	39	U	39	4.7	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1
Benzo[g,h,i]perylene	390	U	390	41	ug/Kg	☼	09/25/11 13:00	09/25/11 22:57	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Phenol, 4,4'-(1-methylethylidene)bis-	420	J N	ug/Kg	☼	9.77	80-05-7	09/25/11 13:00	09/25/11 22:57	1
Dibenzyl phthalate	340	J N	ug/Kg	☼	11.98	523-31-9	09/25/11 13:00	09/25/11 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		10 - 120	09/25/11 13:00	09/25/11 22:57	1
2-Fluorobiphenyl	94		40 - 109	09/25/11 13:00	09/25/11 22:57	1
2-Fluorophenol (Surr)	80		37 - 125	09/25/11 13:00	09/25/11 22:57	1
Nitrobenzene-d5 (Surr)	91		38 - 105	09/25/11 13:00	09/25/11 22:57	1
Phenol-d5 (Surr)	80		41 - 118	09/25/11 13:00	09/25/11 22:57	1
Terphenyl-d14 (Surr)	87		16 - 151	09/25/11 13:00	09/25/11 22:57	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	78	U	78	15	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
PCB-1221	78	U	78	24	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	78	U	78	44	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
PCB-1242	78	U	78	15	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
PCB-1248	78	U	78	21	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
PCB-1254	51	J	78	27	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
PCB-1260	78	U	78	8.7	ug/Kg	☼	10/04/11 10:57	10/04/11 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		30 - 150				10/04/11 10:57	10/04/11 23:27	1
DCB Decachlorobiphenyl	102		30 - 150				10/04/11 10:57	10/04/11 23:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10100		45.4	16.6	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Antimony	2.3	U	2.3	1.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Arsenic	2.9		1.1	0.79	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Barium	233		45.4	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Beryllium	0.33	J	0.45	0.20	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Cadmium	0.43	J	1.1	0.18	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Calcium	13700		1140	29.9	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Chromium	24.7		2.3	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Cobalt	3.2	J	11.4	1.4	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Copper	7.6		5.7	0.93	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Iron	8860		34.1	12.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Lead	124		1.1	0.57	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Magnesium	1160		1140	12.0	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Manganese	109		3.4	1.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Nickel	7.1	J	9.1	0.61	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Potassium	615	J	1140	51.3	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Selenium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Silver	2.3	U	2.3	0.17	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Sodium	1190		1140	69.7	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Thallium	2.3	U	2.3	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Vanadium	20.1		11.4	0.59	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4
Zinc	174		6.8	1.1	mg/Kg	☼	09/28/11 07:59	09/28/11 21:53	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.035	0.023	mg/Kg	☼	09/26/11 17:35	09/26/11 22:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.5		1.0	1.0	%			09/23/11 15:51	1
Percent Solids	85.5		1.0	1.0	%			09/23/11 15:51	1

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: FB-17338-091911-MM-019

Lab Sample ID: 460-31469-1

Date Collected: 09/19/11 08:30

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-020

Lab Sample ID: 460-31469-2

Date Collected: 09/19/11 10:40

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-021

Lab Sample ID: 460-31469-3

Date Collected: 09/19/11 10:50

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-022

Lab Sample ID: 460-31469-4

Date Collected: 09/19/11 11:30

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87334	09/26/11 16:55	FJ	TAL EDI
Total/NA	Analysis	8260B		50	87364	09/27/11 04:53	KB	TAL EDI
Total/NA	Prep	3541			87232	09/25/11 13:00	CM	TAL EDI
Total/NA	Analysis	8270C		1	87603	09/25/11 23:47	MC	TAL EDI
Total/NA	Prep	3541			87233	09/26/11 02:35	ARA	TAL EDI
Total/NA	Analysis	8082		1	87311	09/26/11 10:50	SD	TAL EDI
Total/NA	Prep	3541			87235	09/26/11 03:13	ARA	TAL EDI
Total/NA	Analysis	8081A		1	87513	09/27/11 18:13	FM	TAL EDI
Total/NA	Prep	7471A			87340	09/26/11 17:35	TS	TAL EDI
Total/NA	Analysis	7471A		1	87360	09/26/11 22:14	TS	TAL EDI
Total/NA	Prep	3050B			87517	09/28/11 07:59	MC	TAL EDI
Total/NA	Analysis	6010B		4	87665	09/28/11 21:41	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87209	09/24/11 15:02	FJ	TAL EDI
Total/NA	Analysis	8260B		50	87647	09/28/11 20:28	AT	TAL EDI
Total/NA	Prep	3541			87232	09/25/11 13:00	CM	TAL EDI
Total/NA	Analysis	8270C		1	87603	09/25/11 23:22	MC	TAL EDI

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-023

Lab Sample ID: 460-31469-5

Date Collected: 09/19/11 11:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			87233	09/26/11 02:35	ARA	TAL EDI
Total/NA	Analysis	8082		1	87311	09/26/11 12:09	SD	TAL EDI
Total/NA	Prep	3541			87235	09/26/11 03:13	ARA	TAL EDI
Total/NA	Analysis	8081A		1	87513	09/27/11 18:27	FM	TAL EDI
Total/NA	Prep	7471A			87342	09/26/11 17:35	TS	TAL EDI
Total/NA	Analysis	7471A		1	87360	09/26/11 22:31	TS	TAL EDI
Total/NA	Prep	3050B			87517	09/28/11 07:59	MC	TAL EDI
Total/NA	Analysis	6010B		4	87665	09/28/11 21:45	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-024

Lab Sample ID: 460-31469-6

Date Collected: 09/19/11 11:50

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-025

Lab Sample ID: 460-31469-7

Date Collected: 09/19/11 12:30

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-026

Lab Sample ID: 460-31469-8

Date Collected: 09/19/11 12:50

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-027

Lab Sample ID: 460-31469-9

Date Collected: 09/19/11 13:40

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-091911-MM-028

Lab Sample ID: 460-31469-10

Date Collected: 09/19/11 14:00

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-030

Lab Sample ID: 460-31469-11

Date Collected: 09/19/11 14:45

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87334	09/26/11 16:58	FJ	TAL EDI
Total/NA	Analysis	8260B		50	87487	09/28/11 02:16	EM	TAL EDI
Total/NA	Prep	3541			87558	09/28/11 11:30	CM	TAL EDI
Total/NA	Analysis	8270C		1	88069	09/30/11 16:47	AAA	TAL EDI
Total/NA	Prep	3541			87509	09/28/11 03:42	ARA	TAL EDI
Total/NA	Analysis	8082		1	87694	09/28/11 14:33	SD	TAL EDI
Total/NA	Prep	7471A			87472	09/27/11 17:50	TS	TAL EDI
Total/NA	Analysis	7471A		1	87497	09/27/11 21:16	TS	TAL EDI
Total/NA	Prep	3050B			87517	09/28/11 07:59	MC	TAL EDI
Total/NA	Analysis	6010B		4	87665	09/28/11 21:49	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-029

Lab Sample ID: 460-31469-12

Date Collected: 09/19/11 00:00

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-091911-MM-031

Lab Sample ID: 460-31469-13

Date Collected: 09/20/11 09:30

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-032

Lab Sample ID: 460-31469-14

Date Collected: 09/20/11 09:45

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-033

Lab Sample ID: 460-31469-15

Date Collected: 09/20/11 10:20

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-034

Lab Sample ID: 460-31469-16

Date Collected: 09/20/11 10:45

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-035

Lab Sample ID: 460-31469-17

Date Collected: 09/20/11 15:50

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-036

Lab Sample ID: 460-31469-18

Date Collected: 09/20/11 14:00

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-037

Lab Sample ID: 460-31469-19

Date Collected: 09/20/11 14:40

Matrix: Solid

Date Received: 09/21/11 18:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87334	09/26/11 17:02	FJ	TAL EDI
Total/NA	Analysis	8260B		50	87364	09/27/11 05:18	KB	TAL EDI
Total/NA	Prep	3541			87232	09/25/11 13:00	CM	TAL EDI
Total/NA	Analysis	8270C		1	87603	09/25/11 22:57	MC	TAL EDI
Total/NA	Prep	3541			88122	10/04/11 10:57	ARA	TAL EDI
Total/NA	Analysis	8082		1	88374	10/04/11 23:27	SD	TAL EDI
Total/NA	Prep	7471A			87342	09/26/11 17:35	TS	TAL EDI
Total/NA	Analysis	7471A		1	87360	09/26/11 22:33	TS	TAL EDI

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Client Sample ID: SO-17338-092011-MM-038

Lab Sample ID: 460-31469-20

Date Collected: 09/20/11 15:10

Matrix: Solid

Date Received: 09/21/11 18:55

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			87517	09/28/11 07:59	MC	TAL EDI
Total/NA	Analysis	6010B		4	87665	09/28/11 21:53	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	87125	09/23/11 15:51	CHA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Edison	Connecticut	State Program	1	PH-0200
TestAmerica Edison	Delaware	Delaware DNREC	3	N/A
TestAmerica Edison	New Jersey	NELAC	2	12028
TestAmerica Edison	New York	NELAC	2	11452
TestAmerica Edison	Pennsylvania	NELAC	3	68-00522
TestAmerica Edison	Rhode Island	State Program	1	LAO00132
TestAmerica Edison	USDA	USDA		NJCA-003-08

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organics (GC/MS)	SW846	TAL EDI
8270C	Semivolatile Organics (GC/MS)	SW846	TAL EDI
8081A	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL EDI
6010B	Metals (ICP)	SW846	TAL EDI
7471A	Mercury (CVAA)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: GM Wilmington

TestAmerica Job ID: 460-31469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-31469-1	FB-17338-091911-MM-019	Solid	09/19/11 08:30	09/21/11 18:55
460-31469-2	SO-17338-091911-MM-020	Solid	09/19/11 10:40	09/21/11 18:55
460-31469-3	SO-17338-091911-MM-021	Solid	09/19/11 10:50	09/21/11 18:55
460-31469-4	SO-17338-091911-MM-022	Solid	09/19/11 11:30	09/21/11 18:55
460-31469-5	SO-17338-091911-MM-023	Solid	09/19/11 11:45	09/21/11 18:55
460-31469-6	SO-17338-091911-MM-024	Solid	09/19/11 11:50	09/21/11 18:55
460-31469-7	SO-17338-091911-MM-025	Solid	09/19/11 12:30	09/21/11 18:55
460-31469-8	SO-17338-091911-MM-026	Solid	09/19/11 12:50	09/21/11 18:55
460-31469-9	SO-17338-091911-MM-027	Solid	09/19/11 13:40	09/21/11 18:55
460-31469-10	SO-17338-091911-MM-028	Solid	09/19/11 14:00	09/21/11 18:55
460-31469-11	SO-17338-091911-MM-030	Solid	09/19/11 14:45	09/21/11 18:55
460-31469-12	SO-17338-091911-MM-029	Solid	09/19/11 00:00	09/21/11 18:55
460-31469-13	SO-17338-091911-MM-031	Solid	09/20/11 09:30	09/21/11 18:55
460-31469-14	SO-17338-092011-MM-032	Solid	09/20/11 09:45	09/21/11 18:55
460-31469-15	SO-17338-092011-MM-033	Solid	09/20/11 10:20	09/21/11 18:55
460-31469-16	SO-17338-092011-MM-034	Solid	09/20/11 10:45	09/21/11 18:55
460-31469-17	SO-17338-092011-MM-035	Solid	09/20/11 15:50	09/21/11 18:55
460-31469-18	SO-17338-092011-MM-036	Solid	09/20/11 14:00	09/21/11 18:55
460-31469-19	SO-17338-092011-MM-037	Solid	09/20/11 14:40	09/21/11 18:55
460-31469-20	SO-17338-092011-MM-038	Solid	09/20/11 15:10	09/21/11 18:55

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) CHS BARNO		Samplers Name (Printed) M. MYLE		Site/Project Identification FOUNDER GM	
Company CRA		P.O. # 017338		State (Location of site): NJ: ☐ NY: ☐ Other: DE	
Address		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: DMREC	
City		State		LAB USE ONLY Project No:	
Phone 716-856-2142		Fax		Job No: 31469	
Sample Identification		Date	Time	Matrix	No. of Cont.
FB-17338-091911-MM-019	9/14/11	0830	SO	3	1
SO-17338-091911-MM-020		1040		7	2
SO-17338-091911-MM-021		1050		3	3
SO-17338-091911-MM-022		1130		3	4
SO-17338-091911-MM-023		1145		3	5
SO-17338-091911-MM-024		1150		3	6
SO-17338-091911-MM-025		1230		3	7
SO-17338-091911-MM-026		1250		3	8
SO-17338-091911-MM-027		1340		3	9
SO-17338-091911-MM-028		1400		3	10
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other _____, 7 = Other _____					
Soil: _____ Water: _____					

Special Instructions

HOLD ALL SAMPLES

Water Metals Filtered (Yes/No)?

Relinquished by M. MYLE	Company CRA	Date / Time 9/14/11 1537	Received by 1) Charles H. [Signature]	Company DMREC-SILS
Relinquished by [Signature]	Company DMREC-SILS	Date / Time 9-21-11 1330	Received by 2) [Signature]	Company DMREC-SILS
Relinquished by [Signature]	Company T&E	Date / Time 9-21-11 1700	Received by 3) [Signature]	Company T&E
Relinquished by [Signature]	Company T&E	Date / Time 9/21/11 1855	Received by 4) [Signature]	Company T&E

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132),
Massachusetts (M-NJ312), North Carolina (No. 578)

2.62
T&E

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

[illegible]

Special Instructions HOLD ALL SHAPES

Water Metals Filtered (Yes/No)?

Relinquished by <i>James H. [Signature]</i>	Company <i>CEA</i>	Date / Time <i>9/19/11 5:37</i>	Received by <i>[Signature]</i>	Company <i>DALLIE-SILKS</i>
Relinquished by <i>[Signature]</i>	Company <i>DALLIE-SILKS</i>	Date / Time <i>9-21-11 1330</i>	Received by <i>[Signature]</i>	Company <i>TESS dunc</i>
Relinquished by <i>[Signature]</i>	Company <i>TESS dunc</i>	Date / Time <i>9-21-11 1700</i>	Received by <i>[Signature]</i>	Company <i>TESS dunc</i>
Relinquished by <i>[Signature]</i>	Company <i>TESS dunc</i>	Date / Time <i>9/21/11 1855</i>	Received by <i>[Signature]</i>	Company <i>TESS dunc</i>

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
 TAL 70016 (04/06)

Massachusetts (M-NJ312), North Carolina (No. 578)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) CHARS BROWN		Samplers Name (Printed) M. MYLETT		Site/Project Identification FOAMER GM	
Company CHA		P.O. # 017338		State (Location of site): NJ: ☐ NY: ☒ Other: DE	
Address		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: DMREC	
City	State	ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)			
Phone 716-856-2142	Fax	LAB USE ONLY Job No: 31464 Project No:			
Sample Identification		Date	Matrix	No. of Cont.	Sample Numbers
SO-17338-092011-MM-031	9/20/11	So	3	VO	13
SO-17338-092011-MM-032	0945	1	1	BN+25	14
SO-17338-092011-MM-033	1030	1	1	TCL PCB	15
SO-17338-092011-MM-034	1045	1	1	TAL METALS	16
SO-17338-092011-MM-035	1550	1	1	PESTICIDES	17
SO-17338-092011-MM-036	1400	1	1		18
SO-17338-092011-MM-037	1446	1	1		19
SO-17338-092011-MM-038	1510	1	1		20

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: _____
Water: _____

Special Instructions: **TOLD ALL SAMPLES**

Water Metals Filtered (Yes/No)?

Relinquished by [Signature]	Company CHA	Date / Time 9/20/11 1545	Received by [Signature]	Company DMREC-SILS
Relinquished by [Signature]	Company DMREC-SILS	Date / Time 9/21/11 1330	Received by [Signature]	Company TEST DEPT
Relinquished by [Signature]	Company TEST DEPT	Date / Time 9/21/11 1700	Received by [Signature]	Company TEST DEPT
Relinquished by [Signature]	Company TEST DEPT	Date / Time 9/21/11 1855	Received by [Signature]	Company TEST DEPT

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31469-1

Login Number: 31469

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

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.	N/A	Not present
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	2.6° C IR 50
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	