

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Edison

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Edison, NJ 08817

Tel: (732)549-3900

TestAmerica Job ID: 460-32408-1

Client Project/Site: Former GM Wilmington

For:

Conestoga-Rovers & Associates, Inc.

268 Main Street, Suite 600

Buffalo, New York 14202

Attn: Chris Barton



Authorized for release by:

11/18/2011 12:10:34 PM

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

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

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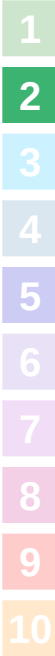


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Definitions/Glossary

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

TestAmerica Job ID: 460-32408-1

Qualifiers

GC/MS VOA

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

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

GC Semi VOA

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

Metals

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.

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: Former GM Wilmington

TestAmerica Job ID: 460-32408-1

Job ID: 460-32408-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: Former GM Wilmington

Report Number: 460-32408-1

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 10/13/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 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 460-32408-3, 460-32408-4 and 460-32408-7 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/19/2011 and analyzed on 10/21/2011.

Manganese failed the recovery criteria low for the MS of sample 240-4959-1 in batch 460-90597. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

Manganese exceeded the rpd limit for the duplicate of sample 240-4959-1. Refer to the QC report for details.

Samples 460-32408-3(4X), 460-32408-4(4X) and 460-32408-7(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.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Case Narrative

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

TestAmerica Job ID: 460-32408-1

Job ID: 460-32408-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

Samples 460-32408-3, 460-32408-4 and 460-32408-7 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 10/14/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples 460-32408-3 and 460-32408-4 were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared and analyzed on 10/17/2011.

No difficulties were encountered during the pesticides analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 460-32408-3, 460-32408-4 and 460-32408-8 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 10/18/2011.

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-32408-1, 460-32408-3, 460-32408-4, 460-32408-7 and 460-32408-9 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 10/15/2011 and analyzed on 10/19/2011.

1,1,2,2-Tetrachloroethane and Chloroethane failed the recovery criteria low for the MS of sample 460-32409-22 in batch 460-90115.

Chloroethane failed the recovery criteria low for the MSD of sample 460-32409-22 in batch 460-90115. 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 volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-32408-1, 460-32408-3, 460-32408-4 and 460-32408-8 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/19/2011 and analyzed on 10/20/2011.

The continuing calibration verification (CCVRT) for 4,4-DDD, endrin and surrogate DCB associated with batch 89898 recovered above the upper control limit on the secondary column. The samples associated with this CCV were non-detects for 4,4-DD and endrin analytes; therefore, the data have been reported.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 90110 was outside control limits for 2,4-Dinitrophenol and Benzaldehyde.

2,4-Dinitrophenol and Benzaldehyde exceeded the rpd limit for the MSD of sample 460-32408-8 in batch 460-90115.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

Case Narrative

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

TestAmerica Job ID: 460-32408-1

Job ID: 460-32408-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-32408-1 through 460-32408-8 were analyzed for percent solids in accordance with ASTM D2974-87 Modified. The samples were analyzed on 10/14/2011.

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: Former GM Wilmington

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-149

Lab Sample ID: 460-32408-1

Date Collected: 10/10/11 10:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	92	U	92	26	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Chloromethane	92	U	92	19	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Vinyl chloride	92	U	92	11	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Bromomethane	92	U	92	29	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Chloroethane	92	U	92	41	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Trichlorofluoromethane	92	U	92	15	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1-Dichloroethene	92	U	92	13	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1,2-Trichloro-1,2,2-trifluoroethane	92	U	92	27	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Acetone	920	U	920	230	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Carbon disulfide	92	U	92	13	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Methyl acetate	180	U	180	30	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Methylene Chloride	92	U	92	18	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
trans-1,2-Dichloroethene	92	U	92	13	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Methyl tert-butyl ether	92	U	92	17	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1-Dichloroethane	92	U	92	9.2	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
cis-1,2-Dichloroethene	92	U	92	18	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
2-Butanone (MEK)	920	U	920	76	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Chloroform	92	U	92	14	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1,1-Trichloroethane	92	U	92	23	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Cyclohexane	92	U	92	11	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Carbon tetrachloride	92	U	92	17	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Benzene	92	U	92	11	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2-Dichloroethane	92	U	92	23	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Trichloroethene	92	U	92	16	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Methylcyclohexane	92	U	92	7.4	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2-Dichloropropane	92	U	92	8.1	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Dichlorobromomethane	92	U	92	8.3	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
cis-1,3-Dichloropropene	92	U	92	9.4	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
4-Methyl-2-pentanone (MIBK)	920	U	920	63	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Toluene	92	U	92	8.7	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
trans-1,3-Dichloropropene	92	U	92	11	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1,2-Trichloroethane	92	U	92	9.0	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Tetrachloroethene	92	U	92	18	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
2-Hexanone	920	U	920	50	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Chlorodibromomethane	92	U	92	9.3	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2-Dibromoethane	92	U	92	8.4	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Chlorobenzene	92	U	92	15	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Ethylbenzene	92	U	92	23	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Xylenes, Total	280	U	280	40	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Styrene	92	U	92	13	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Bromoform	92	U	92	9.2	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
Isopropylbenzene	92	U	92	20	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,1,1,2-Tetrachloroethane	92	U	92	8.0	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,3-Dichlorobenzene	92	U	92	21	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,4-Dichlorobenzene	92	U	92	14	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2-Dichlorobenzene	92	U	92	15	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2-Dibromo-3-Chloropropane	92	U	92	14	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50
1,2,4-Trichlorobenzene	92	U	92	40	ug/Kg	☼	10/15/11 12:39	10/19/11 21:10	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-149

Lab Sample ID: 460-32408-1

Date Collected: 10/10/11 10:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			10/15/11 12:39	10/19/11 21:10	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		57 - 135				10/15/11 12:39	10/19/11 21:10	50
4-Bromofluorobenzene	106		50 - 124				10/15/11 12:39	10/19/11 21:10	50
Toluene-d8 (Surr)	97		46 - 130				10/15/11 12:39	10/19/11 21:10	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	360	U	360	23	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Phenol	360	U	360	44	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Bis(2-chloroethyl)ether	36	U	36	7.5	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Chlorophenol	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Methylphenol	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,2'-oxybis[1-chloropropane]	360	U	360	47	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Acetophenone	360	U	360	54	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Methylphenol	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
N-Nitrosodi-n-propylamine	36	U	36	4.8	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Hexachloroethane	36	U	36	6.1	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Nitrobenzene	36	U	36	8.1	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Isophorone	360	U	360	41	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Nitrophenol	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4-Dimethylphenol	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Bis(2-chloroethoxy)methane	360	U	360	51	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4-Dichlorophenol	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Naphthalene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Chloroaniline	360	U	360	45	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Hexachlorobutadiene	73	U	73	15	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Caprolactam	360	U	360	49	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Chloro-3-methylphenol	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Methylnaphthalene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Hexachlorocyclopentadiene	360	U	360	110	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4,6-Trichlorophenol	360	U	360	65	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4,5-Trichlorophenol	360	U	360	69	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
1,1'-Biphenyl	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Chloronaphthalene	360	U	360	51	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2-Nitroaniline	730	U	730	99	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Dimethyl phthalate	360	U	360	49	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,6-Dinitrotoluene	73	U	73	9.2	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Acenaphthylene	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
3-Nitroaniline	730	U	730	82	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Acenaphthene	360	U	360	51	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4-Dinitrophenol	1100	U	1100	76	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Nitrophenol	1100	U	1100	93	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Dibenzofuran	360	U	360	54	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
2,4-Dinitrotoluene	73	U	73	11	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Diethyl phthalate	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Fluorene	360	U	360	61	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Chlorophenyl phenyl ether	360	U	360	62	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Nitroaniline	730	U	730	74	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4,6-Dinitro-2-methylphenol	1100	U	1100	170	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-149

Lab Sample ID: 460-32408-1

Date Collected: 10/10/11 10:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
4-Bromophenyl phenyl ether	360	U	360	64	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Hexachlorobenzene	36	U	36	5.0	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Atrazine	360	U	360	67	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Pentachlorophenol	1100	U	1100	180	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Phenanthrene	360	U	360	63	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Anthracene	360	U	360	64	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Carbazole	360	U	360	57	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Di-n-butyl phthalate	360	U	360	55	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Fluoranthene	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Pyrene	360	U	360	62	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Butyl benzyl phthalate	360	U	360	42	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
3,3'-Dichlorobenzidine	730	U	730	80	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Benzo[a]anthracene	36	U	36	6.7	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Chrysene	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Bis(2-ethylhexyl) phthalate	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Di-n-octyl phthalate	360	U	360	43	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Benzo[b]fluoranthene	36	U	36	5.4	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Benzo[k]fluoranthene	36	U	36	5.0	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Benzo[a]pyrene	36	U	36	4.4	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Indeno[1,2,3-cd]pyrene	36	U	36	5.8	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Dibenz(a,h)anthracene	36	U	36	4.3	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1
Benzo[g,h,i]perylene	360	U	360	38	ug/Kg	☼	10/19/11 19:34	10/20/11 15:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3800	J	ug/Kg	☼	9.39		10/19/11 19:34	10/20/11 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		10 - 120	10/19/11 19:34	10/20/11 15:15	1
2-Fluorobiphenyl	73		40 - 109	10/19/11 19:34	10/20/11 15:15	1
2-Fluorophenol (Surr)	74		37 - 125	10/19/11 19:34	10/20/11 15:15	1
Nitrobenzene-d5 (Surr)	74		38 - 105	10/19/11 19:34	10/20/11 15:15	1
Phenol-d5 (Surr)	78		41 - 118	10/19/11 19:34	10/20/11 15:15	1
Terphenyl-d14 (Surr)	96		16 - 151	10/19/11 19:34	10/20/11 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.5		1.0	1.0	%			10/14/11 14:00	1
Percent Solids	91.5		1.0	1.0	%			10/14/11 14:00	1

Client Sample ID: SO-17338-101011-MM-150

Lab Sample ID: 460-32408-2

Date Collected: 10/10/11 10:15

Matrix: Solid

Date Received: 10/13/11 17:50

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.6		1.0	1.0	%			10/14/11 14:00	1
Percent Solids	91.4		1.0	1.0	%			10/14/11 14:00	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	100	U	100	30	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Chloromethane	100	U	100	22	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Vinyl chloride	100	U	100	12	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Bromomethane	100	U	100	33	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Chloroethane	100	U	100	46	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Trichlorofluoromethane	100	U	100	16	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1-Dichloroethene	100	U	100	15	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	30	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Acetone	1000	U	1000	260	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Carbon disulfide	100	U	100	15	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Methyl acetate	210	U	210	34	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Methylene Chloride	100	U	100	20	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
trans-1,2-Dichloroethene	100	U	100	14	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Methyl tert-butyl ether	100	U	100	19	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1-Dichloroethane	100	U	100	10	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
cis-1,2-Dichloroethene	100	U	100	20	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
2-Butanone (MEK)	1000	U	1000	85	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Chloroform	100	U	100	16	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1,1-Trichloroethane	100	U	100	26	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Cyclohexane	100	U	100	13	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Carbon tetrachloride	100	U	100	19	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Benzene	100	U	100	12	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2-Dichloroethane	100	U	100	26	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Trichloroethene	100	U	100	18	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Methylcyclohexane	100	U	100	8.3	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2-Dichloropropane	100	U	100	9.1	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Dichlorobromomethane	100	U	100	9.3	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
cis-1,3-Dichloropropene	100	U	100	11	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
4-Methyl-2-pentanone (MIBK)	1000	U	1000	71	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Toluene	100	U	100	9.9	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
trans-1,3-Dichloropropene	100	U	100	13	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1,2-Trichloroethane	100	U	100	10	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Tetrachloroethene	100	U	100	20	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
2-Hexanone	1000	U	1000	57	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Chlorodibromomethane	100	U	100	10	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2-Dibromoethane	100	U	100	9.5	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Chlorobenzene	100	U	100	17	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Ethylbenzene	100	U	100	26	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Xylenes, Total	310	U	310	45	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Styrene	100	U	100	14	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Bromoform	100	U	100	10	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
Isopropylbenzene	100	U	100	22	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,1,2,2-Tetrachloroethane	100	U	100	9.0	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,3-Dichlorobenzene	100	U	100	23	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,4-Dichlorobenzene	100	U	100	16	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2-Dichlorobenzene	100	U	100	17	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2-Dibromo-3-Chloropropane	100	U	100	16	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50
1,2,4-Trichlorobenzene	100	U	100	45	ug/Kg	☼	10/15/11 12:41	10/19/11 21:37	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

<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>	<i>☆</i>			<i>10/15/11 12:41</i>	<i>10/19/11 21:37</i>	<i>50</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>100</i>		<i>57 - 135</i>				<i>10/15/11 12:41</i>	<i>10/19/11 21:37</i>	<i>50</i>
<i>4-Bromofluorobenzene</i>	<i>105</i>		<i>50 - 124</i>				<i>10/15/11 12:41</i>	<i>10/19/11 21:37</i>	<i>50</i>
<i>Toluene-d8 (Surr)</i>	<i>100</i>		<i>46 - 130</i>				<i>10/15/11 12:41</i>	<i>10/19/11 21:37</i>	<i>50</i>

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	360	U	360	23	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Phenol	360	U	360	44	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Bis(2-chloroethyl)ether	36	U	36	7.5	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Chlorophenol	360	U	360	48	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Methylphenol	360	U	360	52	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,2'-oxybis[1-chloropropane]	360	U	360	48	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Acetophenone	360	U	360	54	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Methylphenol	360	U	360	59	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
N-Nitrosodi-n-propylamine	36	U	36	4.8	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Hexachloroethane	36	U	36	6.1	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Nitrobenzene	36	U	36	8.1	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Isophorone	360	U	360	42	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Nitrophenol	360	U	360	60	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4-Dimethylphenol	360	U	360	58	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Bis(2-chloroethoxy)methane	360	U	360	52	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4-Dichlorophenol	360	U	360	58	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Naphthalene	360	U	360	53	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Chloroaniline	360	U	360	46	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Hexachlorobutadiene	73	U	73	15	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Caprolactam	360	U	360	50	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Chloro-3-methylphenol	360	U	360	61	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Methylnaphthalene	360	U	360	53	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Hexachlorocyclopentadiene	360	U	360	110	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4,6-Trichlorophenol	360	U	360	65	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4,5-Trichlorophenol	360	U	360	70	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
1,1'-Biphenyl	360	U	360	60	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Chloronaphthalene	360	U	360	51	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2-Nitroaniline	730	U	730	99	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Dimethyl phthalate	360	U	360	49	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,6-Dinitrotoluene	73	U	73	9.2	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Acenaphthylene	360	U	360	52	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
3-Nitroaniline	730	U	730	82	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Acenaphthene	360	U	360	52	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4-Dinitrophenol	1100	U	1100	77	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Nitrophenol	1100	U	1100	93	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Dibenzofuran	360	U	360	54	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
2,4-Dinitrotoluene	73	U	73	11	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Diethyl phthalate	360	U	360	49	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
Fluorene	360	U	360	61	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Chlorophenyl phenyl ether	360	U	360	62	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4-Nitroaniline	730	U	730	75	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1
4,6-Dinitro-2-methylphenol	1100	U	1100	170	ug/Kg	☆	10/19/11 19:34	10/20/11 16:07	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
4-Bromophenyl phenyl ether	360	U	360	65	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Hexachlorobenzene	36	U	36	5.0	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Atrazine	360	U	360	68	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Pentachlorophenol	1100	U	1100	180	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Phenanthrene	360	U	360	63	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Anthracene	360	U	360	64	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Carbazole	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Di-n-butyl phthalate	360	U	360	55	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Fluoranthene	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Pyrene	360	U	360	63	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Butyl benzyl phthalate	360	U	360	42	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
3,3'-Dichlorobenzidine	730	U	730	80	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Benzo[a]anthracene	36	U	36	6.7	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Chrysene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Bis(2-ethylhexyl) phthalate	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Di-n-octyl phthalate	360	U	360	43	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Benzo[b]fluoranthene	36	U	36	5.4	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Benzo[k]fluoranthene	36	U	36	5.1	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Benzo[a]pyrene	36	U	36	4.5	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Indeno[1,2,3-cd]pyrene	36	U	36	5.8	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Dibenz(a,h)anthracene	36	U	36	4.4	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1
Benzo[g,h,i]perylene	360	U	360	38	ug/Kg	☼	10/19/11 19:34	10/20/11 16:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1200	J	ug/Kg	☼	9.38		10/19/11 19:34	10/20/11 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		10 - 120	10/19/11 19:34	10/20/11 16:07	1
2-Fluorobiphenyl	71		40 - 109	10/19/11 19:34	10/20/11 16:07	1
2-Fluorophenol (Surr)	71		37 - 125	10/19/11 19:34	10/20/11 16:07	1
Nitrobenzene-d5 (Surr)	71		38 - 105	10/19/11 19:34	10/20/11 16:07	1
Phenol-d5 (Surr)	75		41 - 118	10/19/11 19:34	10/20/11 16:07	1
Terphenyl-d14 (Surr)	87		16 - 151	10/19/11 19:34	10/20/11 16:07	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
beta-BHC	7.4	U	7.4	1.0	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
delta-BHC	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
gamma-BHC (Lindane)	7.4	U	7.4	0.86	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Heptachlor	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Aldrin	7.4	U	7.4	1.6	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Heptachlor epoxide	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endosulfan I	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Dieldrin	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
4,4'-DDE	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endrin	7.4	U	7.4	1.0	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endosulfan II	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
4,4'-DDD	7.4	U	7.4	0.88	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endosulfan sulfate	7.4	U	7.4	0.94	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	7.4	U	7.4	0.92	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Methoxychlor	7.4	U	7.4	0.82	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endrin ketone	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Endrin aldehyde	7.4	U	7.4	1.8	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
alpha-Chlordane	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
gamma-Chlordane	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Toxaphene	74	U	74	15	ug/Kg	☼	10/17/11 02:46	10/17/11 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		53 - 150				10/17/11 02:46	10/17/11 15:26	1
DCB Decachlorobiphenyl	120		53 - 150				10/17/11 02:46	10/17/11 15:26	1
Tetrachloro-m-xylene	76		40 - 150				10/17/11 02:46	10/17/11 15:26	1
Tetrachloro-m-xylene	79		40 - 150				10/17/11 02:46	10/17/11 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	74	U	74	14	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1221	74	U	74	22	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1232	74	U	74	42	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1242	74	U	74	14	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1248	74	U	74	20	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1254	74	U	74	25	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
PCB-1260	74	U	74	8.2	ug/Kg	☼	10/18/11 09:48	10/18/11 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	126		30 - 150				10/18/11 09:48	10/18/11 20:31	1
DCB Decachlorobiphenyl	127		30 - 150				10/18/11 09:48	10/18/11 20:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12700		41.9	15.3	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Antimony	2.1	U	2.1	0.92	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Arsenic	1.3		1.0	0.73	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Barium	91.0		41.9	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Beryllium	0.40	J	0.42	0.18	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Cadmium	1.0	U	1.0	0.16	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Calcium	5250		1050	27.5	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Chromium	23.8		2.1	1.2	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Cobalt	6.7	J	10.5	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Copper	21.8		5.2	0.85	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Iron	18800		31.4	11.1	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Lead	7.2		1.0	0.52	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Magnesium	2180		1050	11.1	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Manganese	145		3.1	1.2	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Nickel	11.8		8.4	0.56	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Potassium	2550		1050	47.2	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Selenium	2.1	U	2.1	0.98	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Silver	0.44	J	2.1	0.16	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Sodium	1050	U	1050	64.3	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Thallium	2.1	U	2.1	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4
Vanadium	35.2		10.5	0.54	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	4

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	31.4		6.3	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 06:58	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	☼	10/14/11 18:00	10/14/11 20:52	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			10/14/11 14:00	1
Percent Solids	91.0		1.0	1.0	%			10/14/11 14:00	1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	230	U	230	65	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Chloromethane	230	U	230	48	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Vinyl chloride	230	U	230	28	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Bromomethane	230	U	230	72	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Chloroethane	230	U	230	100	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Trichlorofluoromethane	230	U	230	36	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1-Dichloroethene	230	U	230	32	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1,2-Trichloro-1,2,2-trifluoroethane	230	U	230	66	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Acetone	2300	U	2300	570	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Carbon disulfide	230	U	230	34	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Methyl acetate	460	U	460	75	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Methylene Chloride	230	U	230	44	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
trans-1,2-Dichloroethene	230	U	230	32	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Methyl tert-butyl ether	230	U	230	43	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1-Dichloroethane	230	U	230	23	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
cis-1,2-Dichloroethene	230	U	230	44	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
2-Butanone (MEK)	2300	U	2300	190	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Chloroform	230	U	230	36	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1,1-Trichloroethane	230	U	230	57	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Cyclohexane	230	U	230	28	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Carbon tetrachloride	230	U	230	41	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Benzene	230	U	230	27	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2-Dichloroethane	230	U	230	57	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Trichloroethene	230	U	230	41	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Methylcyclohexane	230	U	230	18	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2-Dichloropropane	230	U	230	20	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Dichlorobromomethane	230	U	230	21	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
cis-1,3-Dichloropropene	230	U	230	23	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
4-Methyl-2-pentanone (MIBK)	2300	U	2300	160	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Toluene	230	U	230	22	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
trans-1,3-Dichloropropene	230	U	230	28	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1,2-Trichloroethane	230	U	230	22	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Tetrachloroethene	230	U	230	45	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2300	U	2300	130	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Chlorodibromomethane	230	U	230	23	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2-Dibromoethane	230	U	230	21	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Chlorobenzene	230	U	230	38	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Ethylbenzene	230	U	230	57	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Xylenes, Total	690	U	690	100	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Styrene	230	U	230	32	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Bromoform	230	U	230	23	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
Isopropylbenzene	230	U	230	49	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,1,2,2-Tetrachloroethane	230	U	230	20	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,3-Dichlorobenzene	230	U	230	52	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,4-Dichlorobenzene	230	U	230	35	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2-Dichlorobenzene	230	U	230	37	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2-Dibromo-3-Chloropropane	230	U	230	35	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50
1,2,4-Trichlorobenzene	230	U	230	100	ug/Kg	☼	10/15/11 12:41	10/19/11 22:02	50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			10/15/11 12:41	10/19/11 22:02	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		57 - 135	10/15/11 12:41	10/19/11 22:02	50
4-Bromofluorobenzene	107		50 - 124	10/15/11 12:41	10/19/11 22:02	50
Toluene-d8 (Surr)	102		46 - 130	10/15/11 12:41	10/19/11 22:02	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	360	U	360	23	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Phenol	360	U	360	44	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Bis(2-chloroethyl)ether	36	U	36	7.5	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Chlorophenol	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Methylphenol	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,2'-oxybis[1-chloropropane]	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Acetophenone	360	U	360	54	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Methylphenol	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
N-Nitrosodi-n-propylamine	36	U	36	4.8	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Hexachloroethane	36	U	36	6.1	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Nitrobenzene	36	U	36	8.1	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Isophorone	360	U	360	42	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Nitrophenol	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4-Dimethylphenol	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Bis(2-chloroethoxy)methane	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4-Dichlorophenol	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Naphthalene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Chloroaniline	360	U	360	46	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Hexachlorobutadiene	73	U	73	15	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Caprolactam	360	U	360	50	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Chloro-3-methylphenol	360	U	360	61	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Methylnaphthalene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Hexachlorocyclopentadiene	360	U	360	110	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4,6-Trichlorophenol	360	U	360	65	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4,5-Trichlorophenol	360	U	360	70	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Chloronaphthalene	360	U	360	51	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2-Nitroaniline	730	U	730	99	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Dimethyl phthalate	360	U	360	49	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,6-Dinitrotoluene	73	U	73	9.2	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Acenaphthylene	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
3-Nitroaniline	730	U	730	82	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Acenaphthene	360	U	360	52	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4-Dinitrophenol	1100	U	1100	77	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Nitrophenol	1100	U	1100	93	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Dibenzofuran	360	U	360	54	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
2,4-Dinitrotoluene	73	U	73	11	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Diethyl phthalate	360	U	360	49	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Fluorene	360	U	360	61	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Chlorophenyl phenyl ether	360	U	360	62	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Nitroaniline	730	U	730	75	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4,6-Dinitro-2-methylphenol	1100	U	1100	170	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
N-Nitrosodiphenylamine	360	U	360	59	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
4-Bromophenyl phenyl ether	360	U	360	65	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Hexachlorobenzene	36	U	36	5.0	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Atrazine	360	U	360	68	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Pentachlorophenol	1100	U	1100	180	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Phenanthrene	360	U	360	63	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Anthracene	360	U	360	64	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Carbazole	360	U	360	58	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Di-n-butyl phthalate	360	U	360	55	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Fluoranthene	360	U	360	60	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Pyrene	360	U	360	63	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Butyl benzyl phthalate	360	U	360	42	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
3,3'-Dichlorobenzidine	730	U	730	80	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Benzo[a]anthracene	36	U	36	6.7	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Chrysene	360	U	360	53	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Bis(2-ethylhexyl) phthalate	360	U	360	48	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Di-n-octyl phthalate	360	U	360	43	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Benzo[b]fluoranthene	36	U	36	5.4	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Benzo[k]fluoranthene	36	U	36	5.1	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Benzo[a]pyrene	36	U	36	4.5	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Indeno[1,2,3-cd]pyrene	36	U	36	5.8	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Dibenz(a,h)anthracene	36	U	36	4.4	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1
Benzo[g,h,i]perylene	360	U	360	38	ug/Kg	☼	10/19/11 19:34	10/20/11 16:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1400	J	ug/Kg	☼	9.38		10/19/11 19:34	10/20/11 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		10 - 120	10/19/11 19:34	10/20/11 16:32	1
2-Fluorobiphenyl	73		40 - 109	10/19/11 19:34	10/20/11 16:32	1
2-Fluorophenol (Surr)	74		37 - 125	10/19/11 19:34	10/20/11 16:32	1
Nitrobenzene-d5 (Surr)	73		38 - 105	10/19/11 19:34	10/20/11 16:32	1
Phenol-d5 (Surr)	78		41 - 118	10/19/11 19:34	10/20/11 16:32	1
Terphenyl-d14 (Surr)	92		16 - 151	10/19/11 19:34	10/20/11 16:32	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
beta-BHC	7.4	U	7.4	1.0	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
delta-BHC	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
gamma-BHC (Lindane)	7.4	U	7.4	0.86	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Heptachlor	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Aldrin	7.4	U	7.4	1.6	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Heptachlor epoxide	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endosulfan I	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Dieldrin	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
4,4'-DDE	7.4	U	7.4	1.4	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endrin	7.4	U	7.4	1.0	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endosulfan II	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
4,4'-DDD	7.4	U	7.4	0.88	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endosulfan sulfate	7.4	U	7.4	0.94	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
4,4'-DDT	7.4	U	7.4	0.92	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Methoxychlor	7.4	U	7.4	0.82	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endrin ketone	7.4	U	7.4	1.1	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Endrin aldehyde	7.4	U	7.4	1.8	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
alpha-Chlordane	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
gamma-Chlordane	7.4	U	7.4	1.5	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1
Toxaphene	7.4	U	7.4	15	ug/Kg	☼	10/17/11 02:46	10/17/11 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		53 - 150	10/17/11 02:46	10/17/11 15:40	1
DCB Decachlorobiphenyl	105		53 - 150	10/17/11 02:46	10/17/11 15:40	1
Tetrachloro-m-xylene	62		40 - 150	10/17/11 02:46	10/17/11 15:40	1
Tetrachloro-m-xylene	64		40 - 150	10/17/11 02:46	10/17/11 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	73	U	73	14	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1221	73	U	73	22	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1232	73	U	73	42	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1242	73	U	73	14	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1248	73	U	73	19	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1254	73	U	73	25	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1
PCB-1260	73	U	73	8.2	ug/Kg	☼	10/18/11 09:48	10/18/11 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	133		30 - 150	10/18/11 09:48	10/18/11 20:47	1
DCB Decachlorobiphenyl	134		30 - 150	10/18/11 09:48	10/18/11 20:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		42.6	15.6	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Antimony	2.1	U	2.1	0.94	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Arsenic	1.4		1.1	0.74	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Barium	87.8		42.6	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Beryllium	0.41	J	0.43	0.19	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Cadmium	1.1	U	1.1	0.17	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Calcium	1640		1070	28.0	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	23.3		2.1	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Cobalt	6.9	J	10.7	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Copper	13.2		5.3	0.87	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Iron	18500		32.0	11.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Lead	6.8		1.1	0.53	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Magnesium	2330		1070	11.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Manganese	137		3.2	1.2	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Nickel	12.1		8.5	0.57	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Potassium	2860		1070	48.1	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Selenium	1.3	J	2.1	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Silver	2.1	U	2.1	0.16	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Sodium	1070	U	1070	65.4	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Thallium	2.1	U	2.1	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Vanadium	33.2		10.7	0.55	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4
Zinc	33.0		6.4	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 07:04	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	U	0.033	0.022	mg/Kg	☼	10/14/11 18:00	10/14/11 21:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.9		1.0	1.0	%	—		10/14/11 14:00	1
Percent Solids	91.1		1.0	1.0	%	—		10/14/11 14:00	1

Client Sample ID: SO-17338-101011-MM-153

Lab Sample ID: 460-32408-5

Date Collected: 10/10/11 11:30

Matrix: Solid

Date Received: 10/13/11 17:50

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.2		1.0	1.0	%	—		10/14/11 14:00	1
Percent Solids	88.8		1.0	1.0	%	—		10/14/11 14:00	1

Client Sample ID: SO-17338-101011-MM-154

Lab Sample ID: 460-32408-6

Date Collected: 10/10/11 12:00

Matrix: Solid

Date Received: 10/13/11 17:50

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.9		1.0	1.0	%	—		10/14/11 14:00	1
Percent Solids	88.1		1.0	1.0	%	—		10/14/11 14:00	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-155

Lab Sample ID: 460-32408-7

Date Collected: 10/10/11 12:30

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	95	U	95	27	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Chloromethane	95	U	95	20	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Vinyl chloride	95	U	95	11	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Bromomethane	95	U	95	30	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Chloroethane	95	U	95	42	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Trichlorofluoromethane	95	U	95	15	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1-Dichloroethene	95	U	95	13	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1,2-Trichloro-1,2,2-trifluoroethane	95	U	95	27	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Acetone	950	U	950	240	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Carbon disulfide	95	U	95	14	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Methyl acetate	190	U	190	31	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Methylene Chloride	95	U	95	18	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
trans-1,2-Dichloroethene	95	U	95	13	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Methyl tert-butyl ether	95	U	95	18	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1-Dichloroethane	95	U	95	9.5	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
cis-1,2-Dichloroethene	95	U	95	18	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
2-Butanone (MEK)	950	U	950	78	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Chloroform	95	U	95	15	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1,1-Trichloroethane	95	U	95	24	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Cyclohexane	95	U	95	12	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Carbon tetrachloride	95	U	95	17	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Benzene	95	U	95	11	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2-Dichloroethane	95	U	95	23	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Trichloroethene	95	U	95	17	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Methylcyclohexane	95	U	95	7.6	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2-Dichloropropane	95	U	95	8.3	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Dichlorobromomethane	95	U	95	8.5	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
cis-1,3-Dichloropropene	95	U	95	9.7	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
4-Methyl-2-pentanone (MIBK)	950	U	950	65	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Toluene	95	U	95	9.0	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
trans-1,3-Dichloropropene	95	U	95	12	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1,2-Trichloroethane	95	U	95	9.3	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Tetrachloroethene	95	U	95	19	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
2-Hexanone	950	U	950	52	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Chlorodibromomethane	95	U	95	9.6	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2-Dibromoethane	95	U	95	8.7	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Chlorobenzene	95	U	95	16	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Ethylbenzene	95	U	95	23	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Xylenes, Total	290	U	290	41	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Styrene	95	U	95	13	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Bromoform	95	U	95	9.4	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
Isopropylbenzene	95	U	95	20	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,1,2,2-Tetrachloroethane	95	U	95	8.2	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,3-Dichlorobenzene	95	U	95	21	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,4-Dichlorobenzene	95	U	95	14	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2-Dichlorobenzene	95	U	95	15	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2-Dibromo-3-Chloropropane	95	U	95	15	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50
1,2,4-Trichlorobenzene	95	U	95	42	ug/Kg	☼	10/15/11 12:44	10/19/11 22:27	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-155

Lab Sample ID: 460-32408-7

Date Collected: 10/10/11 12:30

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 82.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			10/15/11 12:44	10/19/11 22:27	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		57 - 135				10/15/11 12:44	10/19/11 22:27	50
4-Bromofluorobenzene	102		50 - 124				10/15/11 12:44	10/19/11 22:27	50
Toluene-d8 (Surr)	96		46 - 130				10/15/11 12:44	10/19/11 22:27	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19700		44.4	16.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Antimony	2.2	U	2.2	0.98	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Arsenic	2.0		1.1	0.77	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Barium	116		44.4	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Beryllium	0.58		0.44	0.20	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Cadmium	1.1	U	1.1	0.17	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Calcium	2970		1110	29.2	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Chromium	36.8		2.2	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Cobalt	7.9	J	11.1	1.4	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Copper	17.6		5.6	0.91	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Iron	22900		33.3	11.8	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Lead	14.0		1.1	0.56	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Magnesium	2290		1110	11.7	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Manganese	94.6		3.3	1.3	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Nickel	14.4		8.9	0.60	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Potassium	1870		1110	50.1	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Selenium	1.3	J	2.2	1.0	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Silver	2.2	U	2.2	0.17	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Sodium	101	J	1110	68.2	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Thallium	2.2	U	2.2	1.1	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Vanadium	59.3		11.1	0.58	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4
Zinc	39.8		6.7	1.1	mg/Kg	☼	10/19/11 18:39	10/21/11 07:11	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037	U	0.037	0.025	mg/Kg	☼	10/14/11 18:00	10/14/11 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.4		1.0	1.0	%			10/14/11 14:00	1
Percent Solids	82.6		1.0	1.0	%			10/14/11 14:00	1

Client Sample ID: FB-17338-101011-MM-156

Lab Sample ID: 460-32408-8

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 99.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	330	U	330	21	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Phenol	330	U	330	41	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Bis(2-chloroethyl)ether	33	U	33	6.9	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2-Chlorophenol	330	U	330	44	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: FB-17338-101011-MM-156

Lab Sample ID: 460-32408-8

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 99.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	330	U	330	48	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,2'-oxybis[1-chloropropane]	330	U	330	43	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Acetophenone	330	U	330	49	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Methylphenol	330	U	330	54	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
N-Nitrosodi-n-propylamine	33	U	33	4.4	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Hexachloroethane	33	U	33	5.6	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Nitrobenzene	33	U	33	7.4	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Isophorone	330	U	330	38	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2-Nitrophenol	330	U	330	54	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4-Dimethylphenol	330	U	330	53	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Bis(2-chloroethoxy)methane	330	U	330	47	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4-Dichlorophenol	330	U	330	53	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Naphthalene	330	U	330	48	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Chloroaniline	330	U	330	42	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Hexachlorobutadiene	67	U	67	13	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Caprolactam	330	U	330	45	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Chloro-3-methylphenol	330	U	330	56	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2-Methylnaphthalene	330	U	330	48	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Hexachlorocyclopentadiene	330	U	330	97	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4,6-Trichlorophenol	330	U	330	59	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4,5-Trichlorophenol	330	U	330	64	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
1,1'-Biphenyl	330	U	330	55	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2-Chloronaphthalene	330	U	330	47	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2-Nitroaniline	670	U	670	91	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Dimethyl phthalate	330	U	330	45	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,6-Dinitrotoluene	67	U	67	8.4	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Acenaphthylene	330	U	330	47	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
3-Nitroaniline	670	U	670	75	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Acenaphthene	330	U	330	47	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4-Dinitrophenol	1000	U	1000	70	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Nitrophenol	1000	U	1000	85	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Dibenzofuran	330	U	330	50	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
2,4-Dinitrotoluene	67	U	67	9.7	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Diethyl phthalate	330	U	330	44	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Fluorene	330	U	330	56	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Chlorophenyl phenyl ether	330	U	330	57	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Nitroaniline	670	U	670	68	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4,6-Dinitro-2-methylphenol	1000	U	1000	160	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
N-Nitrosodiphenylamine	330	U	330	54	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
4-Bromophenyl phenyl ether	330	U	330	59	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Hexachlorobenzene	33	U	33	4.6	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Atrazine	330	U	330	62	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Pentachlorophenol	1000	U	1000	160	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Phenanthrene	330	U	330	58	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Anthracene	330	U	330	58	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Carbazole	330	U	330	53	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Di-n-butyl phthalate	260	J	330	51	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Fluoranthene	330	U	330	55	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Pyrene	330	U	330	57	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Butyl benzyl phthalate	330	U	330	39	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: FB-17338-101011-MM-156

Lab Sample ID: 460-32408-8

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 99.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	670	U	670	73	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Benzo[a]anthracene	33	U	33	6.1	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Chrysene	330	U	330	48	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Bis(2-ethylhexyl) phthalate	330	U	330	44	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Di-n-octyl phthalate	330	U	330	39	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Benzo[b]fluoranthene	33	U	33	4.9	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Benzo[k]fluoranthene	33	U	33	4.6	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Benzo[a]pyrene	33	U	33	4.1	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Indeno[1,2,3-cd]pyrene	33	U	33	5.3	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Dibenz(a,h)anthracene	33	U	33	4.0	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1
Benzo[g,h,i]perylene	330	U	330	35	ug/Kg	☼	10/19/11 19:34	10/20/11 19:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			10/19/11 19:34	10/20/11 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		10 - 120	10/19/11 19:34	10/20/11 19:08	1
2-Fluorobiphenyl	76		40 - 109	10/19/11 19:34	10/20/11 19:08	1
2-Fluorophenol (Surr)	80		37 - 125	10/19/11 19:34	10/20/11 19:08	1
Nitrobenzene-d5 (Surr)	80		38 - 105	10/19/11 19:34	10/20/11 19:08	1
Phenol-d5 (Surr)	80		41 - 118	10/19/11 19:34	10/20/11 19:08	1
Terphenyl-d14 (Surr)	87		16 - 151	10/19/11 19:34	10/20/11 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	67	U	67	13	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1221	67	U	67	20	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1232	67	U	67	38	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1242	67	U	67	13	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1248	67	U	67	18	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1254	67	U	67	23	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1
PCB-1260	67	U	67	7.5	ug/Kg	☼	10/18/11 09:48	10/18/11 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	121		30 - 150	10/18/11 09:48	10/18/11 21:50	1
DCB Decachlorobiphenyl	124		30 - 150	10/18/11 09:48	10/18/11 21:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	1.0	U	1.0	1.0	%			10/14/11 22:35	1
Percent Solids	99.8		1.0	1.0	%			10/14/11 22:35	1

Client Sample ID: TB-17338-101011-MM-157

Lab Sample ID: 460-32408-9

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	130	U	130	35	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Chloromethane	130	U	130	26	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Vinyl chloride	130	U	130	15	ug/Kg		10/15/11 12:45	10/19/11 22:52	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: TB-17338-101011-MM-157

Lab Sample ID: 460-32408-9

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	130	U	130	39	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Chloroethane	130	U	130	56	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Trichlorofluoromethane	130	U	130	20	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1-Dichloroethene	130	U	130	18	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1,2-Trichloro-1,2,2-trifluoroethane	130	U	130	36	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Acetone	1300	U	1300	310	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Carbon disulfide	130	U	130	18	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Methyl acetate	250	U	250	41	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Methylene Chloride	130	U	130	24	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
trans-1,2-Dichloroethene	130	U	130	17	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Methyl tert-butyl ether	130	U	130	23	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1-Dichloroethane	130	U	130	12	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
cis-1,2-Dichloroethene	130	U	130	24	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
2-Butanone (MEK)	1300	U	1300	100	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Chloroform	130	U	130	19	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1,1-Trichloroethane	130	U	130	31	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Cyclohexane	130	U	130	15	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Carbon tetrachloride	130	U	130	23	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Benzene	130	U	130	15	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2-Dichloroethane	130	U	130	31	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Trichloroethene	130	U	130	22	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Methylcyclohexane	130	U	130	10	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2-Dichloropropane	130	U	130	11	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Dichlorobromomethane	130	U	130	11	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
cis-1,3-Dichloropropene	130	U	130	13	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
4-Methyl-2-pentanone (MIBK)	1300	U	1300	85	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Toluene	130	U	130	12	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
trans-1,3-Dichloropropene	130	U	130	15	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1,2-Trichloroethane	130	U	130	12	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Tetrachloroethene	130	U	130	24	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
2-Hexanone	1300	U	1300	68	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Chlorodibromomethane	130	U	130	13	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2-Dibromoethane	130	U	130	11	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Chlorobenzene	130	U	130	21	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Ethylbenzene	130	U	130	31	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Xylenes, Total	380	U	380	54	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Styrene	130	U	130	17	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Bromoform	130	U	130	12	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
Isopropylbenzene	130	U	130	26	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,1,2,2-Tetrachloroethane	130	U	130	11	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,3-Dichlorobenzene	130	U	130	28	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,4-Dichlorobenzene	130	U	130	19	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2-Dichlorobenzene	130	U	130	20	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2-Dibromo-3-Chloropropane	130	U	130	19	ug/Kg		10/15/11 12:45	10/19/11 22:52	50
1,2,4-Trichlorobenzene	130	U	130	55	ug/Kg		10/15/11 12:45	10/19/11 22:52	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>				10/15/11 12:45	10/19/11 22:52	50
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		57 - 135				10/15/11 12:45	10/19/11 22:52	50

Client Sample Results

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: TB-17338-101011-MM-157

Lab Sample ID: 460-32408-9

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		50 - 124	10/15/11 12:45	10/19/11 22:52	50
Toluene-d8 (Surr)	104		46 - 130	10/15/11 12:45	10/19/11 22:52	50

Lab Chronicle

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-149

Lab Sample ID: 460-32408-1

Date Collected: 10/10/11 10:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			89656	10/15/11 12:39	FJ	TAL EDI
Total/NA	Analysis	8260B		50	90115	10/19/11 21:10	EM	TAL EDI
Total/NA	Prep	3541			90110	10/19/11 19:34	FHW	TAL EDI
Total/NA	Analysis	8270C		1	90597	10/20/11 15:15	MC	TAL EDI
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-150

Lab Sample ID: 460-32408-2

Date Collected: 10/10/11 10:15

Matrix: Solid

Date Received: 10/13/11 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-151

Lab Sample ID: 460-32408-3

Date Collected: 10/10/11 10:45

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			89656	10/15/11 12:41	FJ	TAL EDI
Total/NA	Analysis	8260B		50	90115	10/19/11 21:37	EM	TAL EDI
Total/NA	Prep	3541			90110	10/19/11 19:34	FHW	TAL EDI
Total/NA	Analysis	8270C		1	90597	10/20/11 16:07	MC	TAL EDI
Total/NA	Prep	3541			89691	10/17/11 02:46	ARA	TAL EDI
Total/NA	Analysis	8081A		1	89898	10/17/11 15:26	FM	TAL EDI
Total/NA	Prep	3541			89859	10/18/11 09:48	HP	TAL EDI
Total/NA	Analysis	8082		1	89964	10/18/11 20:31	CBB	TAL EDI
Total/NA	Prep	7471A			89600	10/14/11 18:00	TS	TAL EDI
Total/NA	Analysis	7471A		1	89615	10/14/11 20:52	TS	TAL EDI
Total/NA	Prep	3050B			90102	10/19/11 18:39	TS	TAL EDI
Total/NA	Analysis	6010B		4	90388	10/21/11 06:58	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			89656	10/15/11 12:41	FJ	TAL EDI
Total/NA	Analysis	8260B		50	90115	10/19/11 22:02	EM	TAL EDI
Total/NA	Prep	3541			90110	10/19/11 19:34	FHW	TAL EDI
Total/NA	Analysis	8270C		1	90597	10/20/11 16:32	MC	TAL EDI
Total/NA	Prep	3541			89691	10/17/11 02:46	ARA	TAL EDI
Total/NA	Analysis	8081A		1	89898	10/17/11 15:40	FM	TAL EDI
Total/NA	Prep	3541			89859	10/18/11 09:48	HP	TAL EDI

Lab Chronicle

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: SO-17338-101011-MM-152

Lab Sample ID: 460-32408-4

Date Collected: 10/10/11 11:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082		1	89964	10/18/11 20:47	CBB	TAL EDI
Total/NA	Prep	7471A			89600	10/14/11 18:00	TS	TAL EDI
Total/NA	Analysis	7471A		1	89615	10/14/11 21:38	TS	TAL EDI
Total/NA	Prep	3050B			90102	10/19/11 18:39	TS	TAL EDI
Total/NA	Analysis	6010B		4	90388	10/21/11 07:04	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-153

Lab Sample ID: 460-32408-5

Date Collected: 10/10/11 11:30

Matrix: Solid

Date Received: 10/13/11 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-154

Lab Sample ID: 460-32408-6

Date Collected: 10/10/11 12:00

Matrix: Solid

Date Received: 10/13/11 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: SO-17338-101011-MM-155

Lab Sample ID: 460-32408-7

Date Collected: 10/10/11 12:30

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			89656	10/15/11 12:44	FJ	TAL EDI
Total/NA	Analysis	8260B		50	90115	10/19/11 22:27	EM	TAL EDI
Total/NA	Prep	7471A			89600	10/14/11 18:00	TS	TAL EDI
Total/NA	Analysis	7471A		1	89615	10/14/11 21:39	TS	TAL EDI
Total/NA	Prep	3050B			90102	10/19/11 18:39	TS	TAL EDI
Total/NA	Analysis	6010B		4	90388	10/21/11 07:11	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	89516	10/14/11 14:00	CHA	TAL EDI

Client Sample ID: FB-17338-101011-MM-156

Lab Sample ID: 460-32408-8

Date Collected: 10/10/11 00:00

Matrix: Solid

Date Received: 10/13/11 17:50

Percent Solids: 99.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			90110	10/19/11 19:34	FHW	TAL EDI
Total/NA	Analysis	8270C		1	90597	10/20/11 19:08	MC	TAL EDI
Total/NA	Prep	3541			89859	10/18/11 09:48	HP	TAL EDI
Total/NA	Analysis	8082		1	89964	10/18/11 21:50	CBB	TAL EDI
Total/NA	Analysis	Moisture		1	89516	10/14/11 22:35	CHA	TAL EDI

Lab Chronicle

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

TestAmerica Job ID: 460-32408-1

Client Sample ID: TB-17338-101011-MM-157
Date Collected: 10/10/11 00:00
Date Received: 10/13/11 17:50

Lab Sample ID: 460-32408-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			89656	10/15/11 12:45	FJ	TAL EDI
Total/NA	Analysis	8260B		50	90115	10/19/11 22:52	EM	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: Former GM Wilmington

TestAmerica Job ID: 460-32408-1

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: Former GM Wilmington

TestAmerica Job ID: 460-32408-1

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: Former GM Wilmington

TestAmerica Job ID: 460-32408-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-32408-1	SO-17338-101011-MM-149	Solid	10/10/11 10:00	10/13/11 17:50
460-32408-2	SO-17338-101011-MM-150	Solid	10/10/11 10:15	10/13/11 17:50
460-32408-3	SO-17338-101011-MM-151	Solid	10/10/11 10:45	10/13/11 17:50
460-32408-4	SO-17338-101011-MM-152	Solid	10/10/11 11:00	10/13/11 17:50
460-32408-5	SO-17338-101011-MM-153	Solid	10/10/11 11:30	10/13/11 17:50
460-32408-6	SO-17338-101011-MM-154	Solid	10/10/11 12:00	10/13/11 17:50
460-32408-7	SO-17338-101011-MM-155	Solid	10/10/11 12:30	10/13/11 17:50
460-32408-8	FB-17338-101011-MM-156	Solid	10/10/11 00:00	10/13/11 17:50
460-32408-9	TB-17338-101011-MM-157	Solid	10/10/11 00:00	10/13/11 17:50

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32408-1

Login Number: 32408

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	2.9°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.	N/A	Soils samples only
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.