

Appendix K

Confirmatory Sampling

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-75219-1

Client Project/Site: 85121DM, Nash Road Landfill Site

Revision: 1

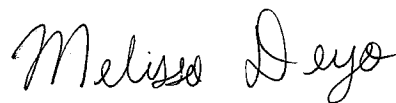
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

2/20/2015 11:22:30 AM

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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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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Job ID: 480-75219-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-75219-1

Revision I

This report was revised to include additional analytes.

Receipt

The samples were received on 2/9/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260C: The method blank for batch 226438 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: The following samples were analyzed using medium level soil techniques to bring the concentration of target analytes within the calibration range: SO-85121-020915-SM-001 (480-75219-1), SO-85121-020915-SM-002 (480-75219-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for batch 226338 recovered outside control limits for the following analytes: 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Carbon Tetrachloride, cis-1,3-Dichloropropene, Dichlorobromomethane and trans-1,3-Dichloropropene. These were not requested spike compounds; therefore, the data have been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SO-85121-020915-SM-001 (480-75219-1), SO-85121-020915-SM-002 (480-75219-2). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: Surrogate recovery for the following samples were outside control limits: SO-85121-020915-SM-001 (480-75219-1), SO-85121-020915-SM-002 (480-75219-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SO-85121-020915-SM-001 (480-75219-1), SO-85121-020915-SM-002 (480-75219-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-001

Lab Sample ID: 480-75219-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	130		5.4	0.28	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	3.2	J	5.4	0.37	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.9	J B	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	4.2	J	27	2.0	ug/Kg	1	☼	8260C	Total/NA
1,2-Dichlorobenzene - DL	620		130	32	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene - DL	2000		130	18	ug/Kg	1	☼	8260C	Total/NA
Benzene - DL	390		130	24	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene - DL	260		130	17	ug/Kg	1	☼	8260C	Total/NA
Toluene - DL	230		130	34	ug/Kg	1	☼	8260C	Total/NA
1,2,4-Trichlorobenzene - DL	1600		130	48	ug/Kg	1	☼	8260C	Total/NA
4,4'-DDD	87	J	110	20	ug/Kg	50	☼	8081B	Total/NA
alpha-BHC	400		110	19	ug/Kg	50	☼	8081B	Total/NA
beta-BHC	750		110	19	ug/Kg	50	☼	8081B	Total/NA
Endosulfan sulfate	32	J	110	20	ug/Kg	50	☼	8081B	Total/NA
gamma-BHC (Lindane)	280		110	19	ug/Kg	50	☼	8081B	Total/NA

Client Sample ID: SO-85121-020915-SM-002

Lab Sample ID: 480-75219-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	30		4.6	0.36	ug/Kg	1	☼	8260C	Total/NA
1,3-Dichlorobenzene	25		4.6	0.24	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	120		4.6	0.65	ug/Kg	1	☼	8260C	Total/NA
Chloroform	3.3	J	4.6	0.29	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	1.5	J	4.6	0.32	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.3	J	4.6	2.1	ug/Kg	1	☼	8260C	Total/NA
1,2,4-Trichlorobenzene	15		4.6	0.28	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	8.7	J	23	1.7	ug/Kg	1	☼	8260C	Total/NA
Benzene - DL	130		100	19	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene - DL	470		100	13	ug/Kg	1	☼	8260C	Total/NA
Toluene - DL	1400		100	27	ug/Kg	1	☼	8260C	Total/NA
Aldrin	90		40	9.7	ug/Kg	20	☼	8081B	Total/NA
alpha-BHC	56		40	7.1	ug/Kg	20	☼	8081B	Total/NA
beta-BHC	100		40	7.1	ug/Kg	20	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-001

Lab Sample ID: 480-75219-1

Date Collected: 02/09/15 14:00

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 79.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,1,1,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,2-Dichloroethene, Total	ND		11	2.8	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
1,3-Dichlorobenzene	130		5.4	0.28	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
2-Chloroethyl vinyl ether	ND		11	2.7	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Acrolein	ND		27	8.6	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Acrylonitrile	ND		27	4.9	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Ethylbenzene	3.2	J	5.4	0.37	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Methylene Chloride	2.9	J B	5.4	2.5	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
2-Butanone (MEK)	4.2	J	27	2.0	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	02/10/15 14:07	02/11/15 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	02/10/15 14:07	02/11/15 02:27	1
4-Bromofluorobenzene (Surr)	94		72 - 126	02/10/15 14:07	02/11/15 02:27	1
Dibromofluoromethane (Surr)	98		60 - 140	02/10/15 14:07	02/11/15 02:27	1
Toluene-d8 (Surr)	101		71 - 125	02/10/15 14:07	02/11/15 02:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	620		130	32	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1
1,4-Dichlorobenzene	2000		130	18	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1
Benzene	390		130	24	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1
Chlorobenzene	260		130	17	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1
Toluene	230		130	34	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1
1,2,4-Trichlorobenzene	1600		130	48	ug/Kg	☼	02/10/15 14:02	02/12/15 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		53 - 146	02/10/15 14:02	02/12/15 07:50	1
4-Bromofluorobenzene (Surr)	121		49 - 148	02/10/15 14:02	02/12/15 07:50	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-001

Lab Sample ID: 480-75219-1

Date Collected: 02/09/15 14:00

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 79.5

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		60 - 140	02/10/15 14:02	02/12/15 07:50	1
Toluene-d8 (Surr)	116		50 - 149	02/10/15 14:02	02/12/15 07:50	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	87	J	110	20	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
4,4'-DDE	ND		110	22	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
4,4'-DDT	ND		110	25	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Aldrin	ND		110	26	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
alpha-BHC	400		110	19	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
beta-BHC	750		110	19	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Chlordane (technical)	ND		1100	230	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
delta-BHC	ND		110	20	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Dieldrin	ND		110	25	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Endosulfan I	ND		110	20	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Endosulfan II	ND		110	19	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Endosulfan sulfate	32	J	110	20	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Endrin	ND		110	21	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Endrin aldehyde	ND		110	27	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
gamma-BHC (Lindane)	280		110	19	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Heptachlor	ND		110	23	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Heptachlor epoxide	ND		110	27	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50
Toxaphene	ND		1100	610	ug/Kg	☼	02/10/15 12:21	02/17/15 13:11	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	02/10/15 12:21	02/17/15 13:11	50
Tetrachloro-m-xylene	0	X	30 - 124	02/10/15 12:21	02/17/15 13:11	50

Client Sample ID: SO-85121-020915-SM-002

Lab Sample ID: 480-75219-2

Date Collected: 02/09/15 14:15

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 82.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.6	0.34	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.75	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,1,2-Trichloroethane	ND		4.6	0.60	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,1-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,1-Dichloroethene	ND		4.6	0.56	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,2-Dichlorobenzene	30		4.6	0.36	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,2-Dichloroethane	ND		4.6	0.23	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,2-Dichloroethene, Total	ND		9.2	2.4	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,2-Dichloropropane	ND		4.6	2.3	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,3-Dichlorobenzene	25		4.6	0.24	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,4-Dichlorobenzene	120		4.6	0.65	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
2-Chloroethyl vinyl ether	ND		9.2	2.3	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Acrolein	ND		23	7.3	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Acrylonitrile	ND		23	4.1	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Bromodichloromethane	ND		4.6	0.62	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-002

Lab Sample ID: 480-75219-2

Date Collected: 02/09/15 14:15

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 82.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		4.6	0.42	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Carbon tetrachloride	ND		4.6	0.45	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Chloroethane	ND		4.6	1.0	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Chloroform	3.3	J	4.6	0.29	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Chloromethane	ND		4.6	0.28	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
cis-1,3-Dichloropropene	ND		4.6	0.66	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Dibromochloromethane	ND		4.6	0.59	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Ethylbenzene	1.5	J	4.6	0.32	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Methylene Chloride	2.3	J	4.6	2.1	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
trans-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Trichloroethene	ND		4.6	1.0	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Vinyl chloride	ND		4.6	0.56	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
1,2,4-Trichlorobenzene	15		4.6	0.28	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
Methyl tert-butyl ether	ND		4.6	0.45	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
trans-1,2-Dichloroethene	ND		4.6	0.48	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
2-Butanone (MEK)	8.7	J	23	1.7	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1
cis-1,2-Dichloroethene	ND		4.6	0.59	ug/Kg	☼	02/10/15 14:07	02/12/15 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	02/10/15 14:07	02/12/15 01:25	1
4-Bromofluorobenzene (Surr)	100		72 - 126	02/10/15 14:07	02/12/15 01:25	1
Dibromofluoromethane (Surr)	98		60 - 140	02/10/15 14:07	02/12/15 01:25	1
Toluene-d8 (Surr)	95		71 - 125	02/10/15 14:07	02/12/15 01:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		100	19	ug/Kg	☼	02/10/15 14:02	02/12/15 07:26	1
Chlorobenzene	470		100	13	ug/Kg	☼	02/10/15 14:02	02/12/15 07:26	1
Toluene	1400		100	27	ug/Kg	☼	02/10/15 14:02	02/12/15 07:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		53 - 146	02/10/15 14:02	02/12/15 07:26	1
4-Bromofluorobenzene (Surr)	118		49 - 148	02/10/15 14:02	02/12/15 07:26	1
Dibromofluoromethane (Surr)	124		60 - 140	02/10/15 14:02	02/12/15 07:26	1
Toluene-d8 (Surr)	119		50 - 149	02/10/15 14:02	02/12/15 07:26	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		40	7.7	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
4,4'-DDE	ND		40	8.3	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
4,4'-DDT	ND		40	9.3	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
Aldrin	90		40	9.7	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
alpha-BHC	56		40	7.1	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
beta-BHC	100		40	7.1	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
Chlordane (technical)	ND		400	88	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
delta-BHC	ND		40	7.4	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
Dieldrin	ND		40	9.5	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
Endosulfan I	ND		40	7.6	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20
Endosulfan II	ND		40	7.1	ug/Kg	☼	02/10/15 12:21	02/17/15 13:28	20

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-002

Lab Sample ID: 480-75219-2

Date Collected: 02/09/15 14:15

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		40	7.4	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
Endrin	ND		40	7.8	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
Endrin aldehyde	ND		40	10	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
gamma-BHC (Lindane)	ND		40	7.3	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
Heptachlor	ND		40	8.6	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
Heptachlor epoxide	ND		40	10	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20
Toxaphene	ND		400	230	ug/Kg	⚠	02/10/15 12:21	02/17/15 13:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		32 - 136	02/10/15 12:21	02/17/15 13:28	20
Tetrachloro-m-xylene	158	X	30 - 124	02/10/15 12:21	02/17/15 13:28	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-75219-1	SO-85121-020915-SM-001	105	94	98	101
480-75219-2	SO-85121-020915-SM-002	107	100	98	95
LCS 480-226603/1-A	Lab Control Sample	102	99	101	100
MB 480-226392/3-A	Method Blank	105	97	99	99
MB 480-226603/2-A	Method Blank	99	96	96	100
Surrogate Legend					
12DCE = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (53-146)	BFB (49-148)	DBFM (60-140)	TOL (50-149)
480-75219-1 - DL	SO-85121-020915-SM-001	118	121	116	116
480-75219-2 - DL	SO-85121-020915-SM-002	122	118	124	119
Surrogate Legend					
12DCE = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-75219-1	SO-85121-020915-SM-001	0 X	0 X
480-75219-2	SO-85121-020915-SM-002	108	158 X
LCS 480-226312/2-A	Lab Control Sample	91	73
LCSD 480-226312/3-A	Lab Control Sample Dup	95	74
MB 480-226312/1-A	Method Blank	95	74
Surrogate Legend			
DCB = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-226392/3-A

Matrix: Solid

Analysis Batch: 226438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,2-Dichlorobenzene	ND		4.9	0.38	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,2-Dichloroethene, Total	ND		9.8	2.6	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
2-Chloroethyl vinyl ether	ND		9.8	2.5	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Acrolein	ND		25	7.8	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Acrylonitrile	ND		25	4.4	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Benzene	ND		4.9	0.24	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Bromoform	ND		4.9	2.5	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Bromomethane	ND		4.9	0.44	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Chloroethane	ND		4.9	1.1	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Chloroform	ND		4.9	0.30	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Chloromethane	ND		4.9	0.30	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Methylene Chloride	2.72	J	4.9	2.3	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Toluene	ND		4.9	0.37	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Trichloroethene	ND		4.9	1.1	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		02/10/15 14:07	02/11/15 01:42	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		02/10/15 14:07	02/11/15 01:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	02/10/15 14:07	02/11/15 01:42	1
4-Bromofluorobenzene (Surr)	97		72 - 126	02/10/15 14:07	02/11/15 01:42	1
Dibromofluoromethane (Surr)	99		60 - 140	02/10/15 14:07	02/11/15 01:42	1
Toluene-d8 (Surr)	99		71 - 125	02/10/15 14:07	02/11/15 01:42	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-226603/2-A

Matrix: Solid

Analysis Batch: 226607

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.80	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1,2-Trichloroethane	ND		5.0	0.64	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1-Dichloroethane	ND		5.0	0.60	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloroethene, Total	ND		9.9	2.6	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
2-Chloroethyl vinyl ether	ND		9.9	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Acrolein	ND		25	7.8	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Acrylonitrile	ND		25	4.4	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Benzene	ND		5.0	0.24	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromodichloromethane	ND		5.0	0.66	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromoform	ND		5.0	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromomethane	ND		5.0	0.45	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chlorobenzene	ND		5.0	0.65	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloroethane	ND		5.0	1.1	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloroform	ND		5.0	0.31	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloromethane	ND		5.0	0.30	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Dibromochloromethane	ND		5.0	0.63	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Tetrachloroethene	ND		5.0	0.66	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Toluene	ND		5.0	0.37	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Trichloroethene	ND		5.0	1.1	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Vinyl chloride	ND		5.0	0.60	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
cis-1,2-Dichloroethene	ND		5.0	0.63	ug/Kg		02/11/15 21:00	02/12/15 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	02/11/15 21:00	02/12/15 00:19	1
4-Bromofluorobenzene (Surr)	96		72 - 126	02/11/15 21:00	02/12/15 00:19	1
Dibromofluoromethane (Surr)	96		60 - 140	02/11/15 21:00	02/12/15 00:19	1
Toluene-d8 (Surr)	100		71 - 125	02/11/15 21:00	02/12/15 00:19	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-226603/1-A

Matrix: Solid

Analysis Batch: 226607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 226603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.8	49.2		ug/Kg		99	73 - 126
1,1-Dichloroethene	49.8	47.9		ug/Kg		96	59 - 125
1,2-Dichlorobenzene	49.8	49.9		ug/Kg		100	75 - 120
1,2-Dichloroethane	49.8	49.5		ug/Kg		99	77 - 122
2-Chloroethyl vinyl ether	49.8	55.7		ug/Kg		112	82 - 116
Benzene	49.8	49.4		ug/Kg		99	79 - 127
Chlorobenzene	49.8	48.9		ug/Kg		98	76 - 124
Ethylbenzene	49.8	49.8		ug/Kg		100	80 - 120
Tetrachloroethene	49.8	47.8		ug/Kg		96	74 - 122
Toluene	49.8	48.5		ug/Kg		97	74 - 128
Trichloroethene	49.8	49.3		ug/Kg		99	77 - 129
Methyl tert-butyl ether	49.8	51.6		ug/Kg		104	63 - 125
trans-1,2-Dichloroethene	49.8	48.5		ug/Kg		97	78 - 126
cis-1,2-Dichloroethene	49.8	49.4		ug/Kg		99	81 - 117

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		71 - 125

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-226312/1-A

Matrix: Solid

Analysis Batch: 227046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Aldrin	ND		1.7	0.41	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
alpha-BHC	ND		1.7	0.30	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
beta-BHC	ND		1.7	0.30	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Chlordane (technical)	ND		17	3.7	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
delta-BHC	ND		1.7	0.31	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Dieldrin	ND		1.7	0.40	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Endosulfan I	ND		1.7	0.32	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Endosulfan II	ND		1.7	0.30	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Endrin	ND		1.7	0.33	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Heptachlor	ND		1.7	0.36	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		02/10/15 08:05	02/17/15 11:26	1
Toxaphene	ND		17	9.6	ug/Kg		02/10/15 08:05	02/17/15 11:26	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

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

Lab Sample ID: MB 480-226312/1-A

Matrix: Solid

Analysis Batch: 227046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226312

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		32 - 136	02/10/15 08:05	02/17/15 11:26	1
Tetrachloro-m-xylene	74		30 - 124	02/10/15 08:05	02/17/15 11:26	1

Lab Sample ID: LCS 480-226312/2-A

Matrix: Solid

Analysis Batch: 227046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 226312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	15.3		ug/Kg		93	52 - 138
4,4'-DDE	16.5	13.8		ug/Kg		84	52 - 131
4,4'-DDT	16.5	13.3		ug/Kg		81	50 - 131
Aldrin	16.5	13.1		ug/Kg		79	35 - 120
alpha-BHC	16.5	12.7		ug/Kg		77	49 - 120
beta-BHC	16.5	11.9		ug/Kg		72	52 - 127
delta-BHC	16.5	13.0		ug/Kg		78	45 - 123
Dieldrin	16.5	14.7		ug/Kg		89	50 - 131
Endosulfan I	16.5	13.6		ug/Kg		83	43 - 121
Endosulfan II	16.5	14.1		ug/Kg		85	48 - 134
Endosulfan sulfate	16.5	14.2		ug/Kg		86	46 - 144
Endrin	16.5	14.4		ug/Kg		87	46 - 134
Endrin aldehyde	16.5	6.15		ug/Kg		37	31 - 137
gamma-BHC (Lindane)	16.5	12.9		ug/Kg		78	50 - 120
Heptachlor	16.5	12.7		ug/Kg		77	51 - 121
Heptachlor epoxide	16.5	14.1		ug/Kg		85	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	91		32 - 136
Tetrachloro-m-xylene	73		30 - 124

Lab Sample ID: LCSD 480-226312/3-A

Matrix: Solid

Analysis Batch: 227046

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 226312

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	16.3	15.7		ug/Kg		96	52 - 138	2	18
4,4'-DDE	16.3	14.0		ug/Kg		86	52 - 131	1	16
4,4'-DDT	16.3	13.5		ug/Kg		83	50 - 131	2	17
Aldrin	16.3	13.0		ug/Kg		80	35 - 120	1	24
alpha-BHC	16.3	12.6		ug/Kg		78	49 - 120	1	19
beta-BHC	16.3	12.0		ug/Kg		74	52 - 127	1	17
delta-BHC	16.3	12.8		ug/Kg		78	45 - 123	1	14
Dieldrin	16.3	14.9		ug/Kg		92	50 - 131	2	13
Endosulfan I	16.3	13.8		ug/Kg		85	43 - 121	1	16
Endosulfan II	16.3	14.4		ug/Kg		88	48 - 134	2	17
Endosulfan sulfate	16.3	14.6		ug/Kg		90	46 - 144	3	14
Endrin	16.3	14.7		ug/Kg		91	46 - 134	2	19
Endrin aldehyde	16.3	5.70		ug/Kg		35	31 - 137	8	23
gamma-BHC (Lindane)	16.3	12.8		ug/Kg		79	50 - 120	0	20

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

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

Lab Sample ID: LCSD 480-226312/3-A

Matrix: Solid

Analysis Batch: 227046

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 226312

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor	16.3	12.8		ug/Kg		79	51 - 121	1	16
Heptachlor epoxide	16.3	14.2		ug/Kg		87	52 - 129	1	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	95		32 - 136
Tetrachloro-m-xylene	74		30 - 124

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

GC/MS VOA

Prep Batch: 226351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1 - DL	SO-85121-020915-SM-001	Total/NA	Solid	5035A	
480-75219-2 - DL	SO-85121-020915-SM-002	Total/NA	Solid	5035A	

Prep Batch: 226392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1	SO-85121-020915-SM-001	Total/NA	Solid	5035A	
480-75219-2	SO-85121-020915-SM-002	Total/NA	Solid	5035A	
MB 480-226392/3-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 226438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1	SO-85121-020915-SM-001	Total/NA	Solid	8260C	226392
MB 480-226392/3-A	Method Blank	Total/NA	Solid	8260C	226392

Prep Batch: 226603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-226603/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-226603/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 226607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-2	SO-85121-020915-SM-002	Total/NA	Solid	8260C	226392
LCS 480-226603/1-A	Lab Control Sample	Total/NA	Solid	8260C	226603
MB 480-226603/2-A	Method Blank	Total/NA	Solid	8260C	226603

Analysis Batch: 226611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1 - DL	SO-85121-020915-SM-001	Total/NA	Solid	8260C	226351
480-75219-2 - DL	SO-85121-020915-SM-002	Total/NA	Solid	8260C	226351

GC Semi VOA

Prep Batch: 226312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1	SO-85121-020915-SM-001	Total/NA	Solid	3550C	
480-75219-2	SO-85121-020915-SM-002	Total/NA	Solid	3550C	
LCS 480-226312/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-226312/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
MB 480-226312/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 227046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1	SO-85121-020915-SM-001	Total/NA	Solid	8081B	226312
480-75219-2	SO-85121-020915-SM-002	Total/NA	Solid	8081B	226312
LCS 480-226312/2-A	Lab Control Sample	Total/NA	Solid	8081B	226312
LCSD 480-226312/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	226312
MB 480-226312/1-A	Method Blank	Total/NA	Solid	8081B	226312

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

General Chemistry

Analysis Batch: 226398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75219-1	SO-85121-020915-SM-001	Total/NA	Solid	Moisture	
480-75219-2	SO-85121-020915-SM-002	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Client Sample ID: SO-85121-020915-SM-001

Lab Sample ID: 480-75219-1

Date Collected: 02/09/15 14:00

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			226392	02/10/15 14:07	RAS	TAL BUF
Total/NA	Analysis	8260C		1	226438	02/11/15 02:27	CDC	TAL BUF
Total/NA	Prep	5035A	DL		226351	02/10/15 14:02	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	1	226611	02/12/15 07:50	LJF	TAL BUF
Total/NA	Prep	3550C			226312	02/10/15 12:21	TRG	TAL BUF
Total/NA	Analysis	8081B		50	227046	02/17/15 13:11	JRL	TAL BUF
Total/NA	Analysis	Moisture		1	226398	02/10/15 14:33	CMK	TAL BUF

Client Sample ID: SO-85121-020915-SM-002

Lab Sample ID: 480-75219-2

Date Collected: 02/09/15 14:15

Matrix: Solid

Date Received: 02/09/15 16:50

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			226392	02/10/15 14:07	RAS	TAL BUF
Total/NA	Analysis	8260C		1	226607	02/12/15 01:25	RAS	TAL BUF
Total/NA	Prep	5035A	DL		226351	02/10/15 14:02	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	1	226611	02/12/15 07:26	LJF	TAL BUF
Total/NA	Prep	3550C			226312	02/10/15 12:21	TRG	TAL BUF
Total/NA	Analysis	8081B		20	227046	02/17/15 13:28	JRL	TAL BUF
Total/NA	Analysis	Moisture		1	226398	02/10/15 14:33	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C	5035A	Solid	1,2-Dichloroethene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75219-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-75219-1	SO-85121-020915-SM-001	Solid	02/09/15 14:00	02/09/15 16:50
480-75219-2	SO-85121-020915-SM-002	Solid	02/09/15 14:15	02/09/15 16:50



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO.: 48103

PAGE OF

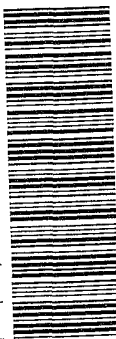
(See Reverse Side for Instructions)

Address:

Phone:

Fax:

Project No/Phase/Task Code: 85121-020915-403		Laboratory Name: Test America		Lab Location: Amherst, NY		SSOW ID: ENV2014-402-003	
Project Name: Nash Rd. Landfill		Lab Contact: Melissa Deyo		Lab Quote No:		Cooler No: -2100	
Project Location: Wheatfield, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Details)	
Chemistry Contact: Paul McMahon		Matrix Code (see back of COC)		Grab (G) or Comp (C)		MS/MSD Request	
Sampler(s): S. McEvoy		DATE (mm/dd/yyyy)		TIME (hh:mm)		Carrier:	
Item		DATE (mm/dd/yyyy)		TIME (hh:mm)		Airbill No:	
1		2/9/15		140030		Date Shipped:	
2		2/9/15		14115		COMMENTS/ SPECIAL INSTRUCTIONS:	
3						2 - Day TAT	
4						Any questions, call Paul	
5						McMahon	
6						297-6150	
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480-75219 Chain of Custody

75219

TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☒ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:		Total Number of Containers: 5		Notes/ Special Requirements:	
RELINQUISHED BY: [Signature]		RECEIVED BY: [Signature]		All Samples in Cooler must be on COC	
COMPANY: CRA		DATE: 2/9/15		TIME: 1615	
COMPANY: CRA		DATE: 2/9/15		TIME: 1650	
COMPANY: CRA		DATE: 2/9/15		TIME: 1650	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-75219-1

Login Number: 75219

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-81591-1

Client Project/Site: 85121DM, Nash Road Landfill Site

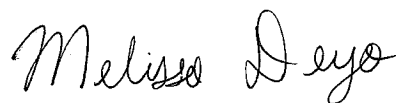
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

6/8/2015 3:43:22 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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results through

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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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Job ID: 480-81591-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-81591-1

Receipt

The samples were received on 6/4/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

GC/MS VOA

Method(s) 8260C: The method blank for 480-246178 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-246405 recovered outside acceptance criteria, low biased, for Vinyl Chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3).

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-246187 recovered outside control limits for the following analyte: Dichlorodifluoromethane. SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via 3620C, to reduce matrix interferences: SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3).

Method(s) 3550C: Due to the matrix, the initial volumes used for the following samples deviated from the standard procedure: SO-85121-060415-SM-014B (480-81591-1), SO-85121-060415-SM-018 (480-81591-2) and SO-85121-060415-SM-019 (480-81591-3). The reporting limits (RLs) have been adjusted proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-014B

Lab Sample ID: 480-81591-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	1.4	J	6.7	0.41	ug/Kg	1		✖	8260C	Total/NA
1,2-Dichlorobenzene	15		6.7	0.52	ug/Kg	1		✖	8260C	Total/NA
1,3-Dichlorobenzene	0.69	J	6.7	0.35	ug/Kg	1		✖	8260C	Total/NA
1,4-Dichlorobenzene	45		6.7	0.94	ug/Kg	1		✖	8260C	Total/NA
2-Butanone (MEK)	26	J	34	2.5	ug/Kg	1		✖	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	2.2	J	34	2.2	ug/Kg	1		✖	8260C	Total/NA
Acetone	85		34	5.7	ug/Kg	1		✖	8260C	Total/NA
Chloroform	1.6	J	6.7	0.41	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	49		6.7	0.94	ug/Kg	1		✖	8260C	Total/NA
Ethylbenzene	3.3	J	6.7	0.46	ug/Kg	1		✖	8260C	Total/NA
Methylcyclohexane	1.7	J	6.7	1.0	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	15	B	6.7	3.1	ug/Kg	1		✖	8260C	Total/NA
Tetrachloroethene	1.4	J	6.7	0.90	ug/Kg	1		✖	8260C	Total/NA
Xylenes, Total	3.5	J	13	1.1	ug/Kg	1		✖	8260C	Total/NA
Benzene - DL	7400		330	63	ug/Kg	2		✖	8260C	Total/NA
Chlorobenzene - DL	3800		330	44	ug/Kg	2		✖	8260C	Total/NA
Toluene - DL	22000		330	89	ug/Kg	2		✖	8260C	Total/NA
4,4'-DDE	31	J	130	26	ug/Kg	10		✖	8081B	Total/NA
alpha-BHC	170		130	22	ug/Kg	10		✖	8081B	Total/NA
beta-BHC	160		130	22	ug/Kg	10		✖	8081B	Total/NA

Client Sample ID: SO-85121-060415-SM-018

Lab Sample ID: 480-81591-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	1.1	J	6.8	0.41	ug/Kg	1		✖	8260C	Total/NA
1,2-Dichlorobenzene	30		6.8	0.53	ug/Kg	1		✖	8260C	Total/NA
1,3-Dichlorobenzene	1.5	J	6.8	0.35	ug/Kg	1		✖	8260C	Total/NA
1,4-Dichlorobenzene	94		6.8	0.95	ug/Kg	1		✖	8260C	Total/NA
2-Butanone (MEK)	67		34	2.5	ug/Kg	1		✖	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	5.4	J	34	2.2	ug/Kg	1		✖	8260C	Total/NA
Acetone	180		34	5.7	ug/Kg	1		✖	8260C	Total/NA
Chloroform	17		6.8	0.42	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	95		6.8	0.95	ug/Kg	1		✖	8260C	Total/NA
Ethylbenzene	2.1	J	6.8	0.47	ug/Kg	1		✖	8260C	Total/NA
Methylcyclohexane	5.5	J	6.8	1.0	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	22	B	6.8	3.1	ug/Kg	1		✖	8260C	Total/NA
Tetrachloroethene	2.4	J	6.8	0.91	ug/Kg	1		✖	8260C	Total/NA
Trichloroethene	2.1	J	6.8	1.5	ug/Kg	1		✖	8260C	Total/NA
Xylenes, Total	5.0	J	14	1.1	ug/Kg	1		✖	8260C	Total/NA
Benzene - DL	11000		660	130	ug/Kg	4		✖	8260C	Total/NA
Chlorobenzene - DL	5000		660	88	ug/Kg	4		✖	8260C	Total/NA
Toluene - DL	32000		660	180	ug/Kg	4		✖	8260C	Total/NA
alpha-BHC	61	J	240	44	ug/Kg	20		✖	8081B	Total/NA

Client Sample ID: SO-85121-060415-SM-019

Lab Sample ID: 480-81591-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	11		7.6	0.46	ug/Kg	1		✖	8260C	Total/NA
1,2-Dichlorobenzene	63		7.6	0.60	ug/Kg	1		✖	8260C	Total/NA
1,3-Dichlorobenzene	3.7	J	7.6	0.39	ug/Kg	1		✖	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-019 (Continued)

Lab Sample ID: 480-81591-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,4-Dichlorobenzene	200		7.6	1.1	ug/Kg	1		✱	8260C	Total/NA
2-Butanone (MEK)	55		38	2.8	ug/Kg	1		✱	8260C	Total/NA
2-Hexanone	4.9	J	38	3.8	ug/Kg	1		✱	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	4.5	J	38	2.5	ug/Kg	1		✱	8260C	Total/NA
Acetone	150		38	6.4	ug/Kg	1		✱	8260C	Total/NA
Chloroform	24		7.6	0.47	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	150		7.6	1.1	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	3.2	J	7.6	0.53	ug/Kg	1		✱	8260C	Total/NA
Methylcyclohexane	15		7.6	1.2	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	21	B	7.6	3.5	ug/Kg	1		✱	8260C	Total/NA
Tetrachloroethene	3.6	J	7.6	1.0	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	2.2	J	7.6	1.7	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	7.1	J	15	1.3	ug/Kg	1		✱	8260C	Total/NA
Benzene - DL	9600		710	130	ug/Kg	4		✱	8260C	Total/NA
Chlorobenzene - DL	4800		710	93	ug/Kg	4		✱	8260C	Total/NA
Toluene - DL	28000		710	190	ug/Kg	4		✱	8260C	Total/NA
alpha-BHC	540		280	49	ug/Kg	20		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-014B

Lab Sample ID: 480-81591-1

Date Collected: 06/04/15 13:20

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 71.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.7	0.49	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,1,2,2-Tetrachloroethane	ND		6.7	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,1,2-Trichloroethane	ND		6.7	0.87	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.7	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,1-Dichloroethane	ND		6.7	0.82	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,1-Dichloroethene	ND		6.7	0.82	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2,4-Trichlorobenzene	1.4	J	6.7	0.41	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2-Dibromo-3-Chloropropane	ND		6.7	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2-Dichlorobenzene	15		6.7	0.52	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2-Dichloroethane	ND		6.7	0.34	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2-Dichloropropane	ND		6.7	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,3-Dichlorobenzene	0.69	J	6.7	0.35	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,4-Dichlorobenzene	45		6.7	0.94	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
2-Butanone (MEK)	26	J	34	2.5	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
4-Methyl-2-pentanone (MIBK)	2.2	J	34	2.2	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Acetone	85		34	5.7	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Bromodichloromethane	ND		6.7	0.90	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Bromoform	ND		6.7	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Bromomethane	ND		6.7	0.60	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Carbon disulfide	ND		6.7	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Carbon tetrachloride	ND		6.7	0.65	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Dibromochloromethane	ND		6.7	0.86	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Chloroethane	ND		6.7	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Chloroform	1.6	J	6.7	0.41	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Chloromethane	ND		6.7	0.41	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
cis-1,2-Dichloroethene	ND		6.7	0.86	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
cis-1,3-Dichloropropene	ND		6.7	0.97	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Cyclohexane	49		6.7	0.94	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Dichlorodifluoromethane	ND		6.7	0.55	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Ethylbenzene	3.3	J	6.7	0.46	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
1,2-Dibromoethane	ND		6.7	0.86	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Isopropylbenzene	ND		6.7	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Methyl acetate	ND		6.7	4.1	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Methyl tert-butyl ether	ND		6.7	0.66	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Methylcyclohexane	1.7	J	6.7	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Methylene Chloride	15	B	6.7	3.1	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Styrene	ND		6.7	0.34	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Tetrachloroethene	1.4	J	6.7	0.90	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
trans-1,2-Dichloroethene	ND		6.7	0.69	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
trans-1,3-Dichloropropene	ND		6.7	3.0	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Trichloroethene	ND		6.7	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Trichlorofluoromethane	ND		6.7	0.64	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Vinyl chloride	ND		6.7	0.82	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1
Xylenes, Total	3.5	J	13	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	06/04/15 18:43	06/05/15 01:37	1
1,2-Dichloroethane-d4 (Surr)	89		64 - 126	06/04/15 18:43	06/05/15 01:37	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-014B

Lab Sample ID: 480-81591-1

Date Collected: 06/04/15 13:20

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 71.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 126	06/04/15 18:43	06/05/15 01:37	1
Dibromofluoromethane (Surr)	101		60 - 140	06/04/15 18:43	06/05/15 01:37	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7400		330	63	ug/Kg	☼	06/04/15 18:28	06/05/15 15:24	2
Chlorobenzene	3800		330	44	ug/Kg	☼	06/04/15 18:28	06/05/15 15:24	2
Toluene	22000		330	89	ug/Kg	☼	06/04/15 18:28	06/05/15 15:24	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		50 - 149				06/04/15 18:28	06/05/15 15:24	2
1,2-Dichloroethane-d4 (Surr)	98		53 - 146				06/04/15 18:28	06/05/15 15:24	2
4-Bromofluorobenzene (Surr)	102		49 - 148				06/04/15 18:28	06/05/15 15:24	2
Dibromofluoromethane (Surr)	100		60 - 140				06/04/15 18:28	06/05/15 15:24	2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		130	24	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
4,4'-DDE	31	J	130	26	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
4,4'-DDT	ND		130	29	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Aldrin	ND		130	31	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
alpha-BHC	170		130	22	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
beta-BHC	160		130	22	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Chlordane (technical)	ND		1300	280	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
delta-BHC	ND		130	23	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Dieldrin	ND		130	30	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Endosulfan I	ND		130	24	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Endosulfan II	ND		130	22	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Endosulfan sulfate	ND		130	23	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Endrin	ND		130	25	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Endrin aldehyde	ND		130	32	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
gamma-BHC (Lindane)	ND		130	23	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Heptachlor	ND		130	27	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Heptachlor epoxide	ND		130	32	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Toxaphene	ND		1300	730	ug/Kg	☼	06/05/15 14:06	06/06/15 11:55	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		32 - 136				06/05/15 14:06	06/06/15 11:55	10
Tetrachloro-m-xylene	101		30 - 124				06/05/15 14:06	06/06/15 11:55	10

Client Sample ID: SO-85121-060415-SM-018

Lab Sample ID: 480-81591-2

Date Collected: 06/04/15 13:00

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 72.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.8	0.49	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,1,2,2-Tetrachloroethane	ND		6.8	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,1,2-Trichloroethane	ND		6.8	0.88	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-018

Lab Sample ID: 480-81591-2

Date Collected: 06/04/15 13:00

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 72.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		6.8	0.82	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,1-Dichloroethene	ND		6.8	0.83	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2,4-Trichlorobenzene	1.1	J	6.8	0.41	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2-Dibromo-3-Chloropropane	ND		6.8	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2-Dichlorobenzene	30		6.8	0.53	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2-Dichloroethane	ND		6.8	0.34	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2-Dichloropropane	ND		6.8	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,3-Dichlorobenzene	1.5	J	6.8	0.35	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,4-Dichlorobenzene	94		6.8	0.95	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
2-Butanone (MEK)	67		34	2.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
4-Methyl-2-pentanone (MIBK)	5.4	J	34	2.2	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Acetone	180		34	5.7	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Bromodichloromethane	ND		6.8	0.91	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Bromoform	ND		6.8	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Bromomethane	ND		6.8	0.61	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Carbon disulfide	ND		6.8	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Carbon tetrachloride	ND		6.8	0.65	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Dibromochloromethane	ND		6.8	0.87	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Chloroethane	ND		6.8	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Chloroform	17		6.8	0.42	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Chloromethane	ND		6.8	0.41	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
cis-1,2-Dichloroethene	ND		6.8	0.87	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
cis-1,3-Dichloropropene	ND		6.8	0.97	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Cyclohexane	95		6.8	0.95	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Dichlorodifluoromethane	ND		6.8	0.56	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Ethylbenzene	2.1	J	6.8	0.47	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
1,2-Dibromoethane	ND		6.8	0.87	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Isopropylbenzene	ND		6.8	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Methyl acetate	ND		6.8	4.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Methyl tert-butyl ether	ND		6.8	0.66	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Methylcyclohexane	5.5	J	6.8	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Methylene Chloride	22	B	6.8	3.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Styrene	ND		6.8	0.34	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Tetrachloroethene	2.4	J	6.8	0.91	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
trans-1,2-Dichloroethene	ND		6.8	0.70	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
trans-1,3-Dichloropropene	ND		6.8	3.0	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Trichloroethene	2.1	J	6.8	1.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Trichlorofluoromethane	ND		6.8	0.64	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Vinyl chloride	ND		6.8	0.82	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Xylenes, Total	5.0	J	14	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		71 - 125				06/04/15 18:43	06/05/15 02:02	1
1,2-Dichloroethane-d4 (Surr)	87		64 - 126				06/04/15 18:43	06/05/15 02:02	1
4-Bromofluorobenzene (Surr)	112		72 - 126				06/04/15 18:43	06/05/15 02:02	1
Dibromofluoromethane (Surr)	105		60 - 140				06/04/15 18:43	06/05/15 02:02	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-018

Lab Sample ID: 480-81591-2

Date Collected: 06/04/15 13:00

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 72.0

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000		660	130	ug/Kg	☼	06/04/15 18:28	06/05/15 15:48	4
Chlorobenzene	5000		660	88	ug/Kg	☼	06/04/15 18:28	06/05/15 15:48	4
Toluene	32000		660	180	ug/Kg	☼	06/04/15 18:28	06/05/15 15:48	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 149	06/04/15 18:28	06/05/15 15:48	4
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	06/04/15 18:28	06/05/15 15:48	4
4-Bromofluorobenzene (Surr)	103		49 - 148	06/04/15 18:28	06/05/15 15:48	4
Dibromofluoromethane (Surr)	102		60 - 140	06/04/15 18:28	06/05/15 15:48	4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		240	47	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
4,4'-DDE	ND		240	51	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
4,4'-DDT	ND		240	57	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Aldrin	ND		240	60	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
alpha-BHC	61	J	240	44	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
beta-BHC	ND		240	44	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Chlordane (technical)	ND		2400	540	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
delta-BHC	ND		240	45	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Dieldrin	ND		240	58	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Endosulfan I	ND		240	47	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Endosulfan II	ND		240	44	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Endosulfan sulfate	ND		240	45	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Endrin	ND		240	48	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Endrin aldehyde	ND		240	62	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
gamma-BHC (Lindane)	ND		240	45	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Heptachlor	ND		240	53	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Heptachlor epoxide	ND		240	63	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20
Toxaphene	ND		2400	1400	ug/Kg	☼	06/05/15 14:06	06/06/15 10:41	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	06/05/15 14:06	06/06/15 10:41	20
Tetrachloro-m-xylene	138	X	30 - 124	06/05/15 14:06	06/06/15 10:41	20

Client Sample ID: SO-85121-060415-SM-019

Lab Sample ID: 480-81591-3

Date Collected: 06/04/15 13:05

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 69.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.6	0.55	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,1,2,2-Tetrachloroethane	ND		7.6	1.2	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,1,2-Trichloroethane	ND		7.6	0.99	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6	1.7	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,1-Dichloroethane	ND		7.6	0.93	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,1-Dichloroethene	ND		7.6	0.93	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,2,4-Trichlorobenzene	11		7.6	0.46	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,2-Dibromo-3-Chloropropane	ND		7.6	3.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,2-Dichlorobenzene	63		7.6	0.60	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-019

Lab Sample ID: 480-81591-3

Date Collected: 06/04/15 13:05

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 69.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		7.6	0.38	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,2-Dichloropropane	ND		7.6	3.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,3-Dichlorobenzene	3.7	J	7.6	0.39	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,4-Dichlorobenzene	200		7.6	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
2-Butanone (MEK)	55		38	2.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
2-Hexanone	4.9	J	38	3.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
4-Methyl-2-pentanone (MIBK)	4.5	J	38	2.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Acetone	150		38	6.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Bromodichloromethane	ND		7.6	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Bromoform	ND		7.6	3.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Bromomethane	ND		7.6	0.69	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Carbon disulfide	ND		7.6	3.8	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Carbon tetrachloride	ND		7.6	0.74	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Dibromochloromethane	ND		7.6	0.98	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Chloroethane	ND		7.6	1.7	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Chloroform	24		7.6	0.47	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Chloromethane	ND		7.6	0.46	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
cis-1,2-Dichloroethene	ND		7.6	0.98	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
cis-1,3-Dichloropropene	ND		7.6	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Cyclohexane	150		7.6	1.1	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Dichlorodifluoromethane	ND		7.6	0.63	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Ethylbenzene	3.2	J	7.6	0.53	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
1,2-Dibromoethane	ND		7.6	0.98	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Isopropylbenzene	ND		7.6	1.2	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Methyl acetate	ND		7.6	4.6	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Methyl tert-butyl ether	ND		7.6	0.75	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Methylcyclohexane	15		7.6	1.2	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Methylene Chloride	21	B	7.6	3.5	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Styrene	ND		7.6	0.38	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Tetrachloroethene	3.6	J	7.6	1.0	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
trans-1,2-Dichloroethene	ND		7.6	0.79	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
trans-1,3-Dichloropropene	ND		7.6	3.4	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Trichloroethene	2.2	J	7.6	1.7	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Trichlorofluoromethane	ND		7.6	0.72	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Vinyl chloride	ND		7.6	0.93	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1
Xylenes, Total	7.1	J	15	1.3	ug/Kg	☼	06/04/15 18:43	06/05/15 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	121		71 - 125	06/04/15 18:43	06/05/15 02:28	1
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	06/04/15 18:43	06/05/15 02:28	1
4-Bromofluorobenzene (Surr)	125		72 - 126	06/04/15 18:43	06/05/15 02:28	1
Dibromofluoromethane (Surr)	114		60 - 140	06/04/15 18:43	06/05/15 02:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9600		710	130	ug/Kg	☼	06/04/15 18:28	06/05/15 16:12	4
Chlorobenzene	4800		710	93	ug/Kg	☼	06/04/15 18:28	06/05/15 16:12	4
Toluene	28000		710	190	ug/Kg	☼	06/04/15 18:28	06/05/15 16:12	4

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-019

Lab Sample ID: 480-81591-3

Date Collected: 06/04/15 13:05

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 69.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		50 - 149	06/04/15 18:28	06/05/15 16:12	4
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/04/15 18:28	06/05/15 16:12	4
4-Bromofluorobenzene (Surr)	103		49 - 148	06/04/15 18:28	06/05/15 16:12	4
Dibromofluoromethane (Surr)	97		60 - 140	06/04/15 18:28	06/05/15 16:12	4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		280	53	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
4,4'-DDE	ND		280	58	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
4,4'-DDT	ND		280	64	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Aldrin	ND		280	68	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
alpha-BHC	540		280	49	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
beta-BHC	ND		280	49	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Chlordane (technical)	ND		2800	610	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
delta-BHC	ND		280	51	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Dieldrin	ND		280	66	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Endosulfan I	ND		280	53	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Endosulfan II	ND		280	49	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Endosulfan sulfate	ND		280	51	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Endrin	ND		280	54	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Endrin aldehyde	ND		280	70	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
gamma-BHC (Lindane)	ND		280	50	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Heptachlor	ND		280	60	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Heptachlor epoxide	ND		280	71	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20
Toxaphene	ND		2800	1600	ug/Kg	☼	06/05/15 14:06	06/06/15 10:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	06/05/15 14:06	06/06/15 10:59	20
Tetrachloro-m-xylene	0	X	30 - 124	06/05/15 14:06	06/06/15 10:59	20

TestAmerica Buffalo

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	12DCE (64-126)	BFB (72-126)	DBFM (60-140)
480-81591-1	SO-85121-060415-SM-014B	105	89	109	101
480-81591-2	SO-85121-060415-SM-018	109	87	112	105
480-81591-3	SO-85121-060415-SM-019	121	92	125	114
LCS 480-246178/1-A	Lab Control Sample	106	105	107	109
LCSD 480-246178/2-A	Lab Control Sample Dup	105	102	105	105
MB 480-246178/3-A	Method Blank	105	100	99	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-81591-1 - DL	SO-85121-060415-SM-014B	96	98	102	100
480-81591-2 - DL	SO-85121-060415-SM-018	98	98	103	102
480-81591-3 - DL	SO-85121-060415-SM-019	97	93	103	97
LCS 480-246187/1-A	Lab Control Sample	96	93	103	101
LCSD 480-246187/2-A	Lab Control Sample Dup	96	96	103	100
MB 480-246187/3-A	Method Blank	97	96	101	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (32-136)	TCX1 (30-124)
480-81591-1	SO-85121-060415-SM-014B	56	101
480-81591-2	SO-85121-060415-SM-018	0 X	138 X
480-81591-3	SO-85121-060415-SM-019	0 X	0 X
LCS 480-246519/2-A	Lab Control Sample	52	64
MB 480-246519/1-A	Method Blank	59	70

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-246178/3-A

Matrix: Solid

Analysis Batch: 246351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.80	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,1,2-Trichloroethane	ND		5.0	0.64	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,1-Dichloroethane	ND		5.0	0.60	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
2-Hexanone	ND		25	2.5	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Acetone	ND		25	4.2	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Benzene	ND		5.0	0.24	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Bromodichloromethane	ND		5.0	0.66	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Bromoform	ND		5.0	2.5	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Chlorobenzene	ND		5.0	0.65	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Dibromochloromethane	ND		5.0	0.63	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Chloroform	ND		5.0	0.31	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
cis-1,2-Dichloroethene	ND		5.0	0.63	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Cyclohexane	ND		5.0	0.69	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Methyl acetate	ND		5.0	3.0	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Methylcyclohexane	ND		5.0	0.75	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Methylene Chloride	2.48	J	5.0	2.3	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Styrene	ND		5.0	0.25	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Tetrachloroethene	ND		5.0	0.66	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Toluene	ND		5.0	0.37	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Vinyl chloride	ND		5.0	0.60	ug/Kg		06/04/15 09:21	06/05/15 00:53	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		06/04/15 09:21	06/05/15 00:53	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	06/04/15 09:21	06/05/15 00:53	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	06/04/15 09:21	06/05/15 00:53	1
4-Bromofluorobenzene (Surr)	99		72 - 126	06/04/15 09:21	06/05/15 00:53	1
Dibromofluoromethane (Surr)	105		60 - 140	06/04/15 09:21	06/05/15 00:53	1

Lab Sample ID: LCS 480-246178/1-A

Matrix: Solid

Analysis Batch: 246351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.8	50.6		ug/Kg		102	73 - 126
1,1-Dichloroethene	49.8	50.5		ug/Kg		101	59 - 125
1,2-Dichlorobenzene	49.8	49.2		ug/Kg		99	75 - 120
1,2-Dichloroethane	49.8	49.1		ug/Kg		99	77 - 122
Benzene	49.8	49.2		ug/Kg		99	79 - 127
Chlorobenzene	49.8	49.4		ug/Kg		99	76 - 124
cis-1,2-Dichloroethene	49.8	50.6		ug/Kg		102	81 - 117
Ethylbenzene	49.8	49.9		ug/Kg		100	80 - 120
Methyl tert-butyl ether	49.8	50.4		ug/Kg		101	63 - 125
Tetrachloroethene	49.8	50.1		ug/Kg		101	74 - 122
Toluene	49.8	49.2		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	49.8	50.3		ug/Kg		101	78 - 126
Trichloroethene	49.8	49.3		ug/Kg		99	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		71 - 125
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126
Dibromofluoromethane (Surr)	109		60 - 140

Lab Sample ID: LCSD 480-246178/2-A

Matrix: Solid

Analysis Batch: 246351

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 246178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethane	49.8	48.0		ug/Kg		96	73 - 126	5	20
1,1-Dichloroethene	49.8	46.7		ug/Kg		94	59 - 125	8	20
1,2-Dichlorobenzene	49.8	47.9		ug/Kg		96	75 - 120	3	20
1,2-Dichloroethane	49.8	47.8		ug/Kg		96	77 - 122	3	20
Benzene	49.8	46.9		ug/Kg		94	79 - 127	5	20
Chlorobenzene	49.8	47.6		ug/Kg		96	76 - 124	4	20
cis-1,2-Dichloroethene	49.8	48.0		ug/Kg		96	81 - 117	5	20
Ethylbenzene	49.8	47.8		ug/Kg		96	80 - 120	4	20
Methyl tert-butyl ether	49.8	47.9		ug/Kg		96	63 - 125	5	20
Tetrachloroethene	49.8	46.9		ug/Kg		94	74 - 122	7	20
Toluene	49.8	47.1		ug/Kg		95	74 - 128	5	20
trans-1,2-Dichloroethene	49.8	48.3		ug/Kg		97	78 - 126	4	20
Trichloroethene	49.8	47.4		ug/Kg		95	77 - 129	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	105		71 - 125
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-246178/2-A

Matrix: Solid

Analysis Batch: 246351

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 246178

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	105		60 - 140

Lab Sample ID: MB 480-246187/3-A

Matrix: Solid

Analysis Batch: 246405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		98	27	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,1,2,2-Tetrachloroethane	ND		98	16	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,1,2-Trichloroethane	ND		98	21	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,1-Dichloroethane	ND		98	30	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,1-Dichloroethene	ND		98	34	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2,4-Trichlorobenzene	ND		98	37	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2-Dibromo-3-Chloropropane	ND		98	49	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2-Dichlorobenzene	ND		98	25	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2-Dichloroethane	ND		98	40	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2-Dichloropropane	ND		98	16	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,3-Dichlorobenzene	ND		98	26	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,4-Dichlorobenzene	ND		98	14	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
2-Butanone (MEK)	ND		490	290	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
2-Hexanone	ND		490	200	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		490	31	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Acetone	ND		490	400	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Benzene	ND		98	19	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Bromodichloromethane	ND		98	20	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Bromoform	ND		98	49	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Bromomethane	ND		98	22	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Carbon disulfide	ND		98	45	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Carbon tetrachloride	ND		98	25	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Chlorobenzene	ND		98	13	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Dibromochloromethane	ND		98	48	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Chloroethane	ND		98	20	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Chloroform	ND		98	67	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Chloromethane	ND		98	23	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
cis-1,2-Dichloroethene	ND		98	27	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
cis-1,3-Dichloropropene	ND		98	23	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Cyclohexane	ND		98	22	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Dichlorodifluoromethane	ND		98	43	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Ethylbenzene	ND		98	29	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
1,2-Dibromoethane	ND		98	17	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Isopropylbenzene	ND		98	15	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Methyl acetate	ND		98	47	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Methyl tert-butyl ether	ND		98	37	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Methylcyclohexane	ND		98	46	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Methylene Chloride	ND		98	19	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Styrene	ND		98	24	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Tetrachloroethene	ND		98	13	ug/Kg		06/04/15 09:58	06/05/15 13:42	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-246187/3-A

Matrix: Solid

Analysis Batch: 246405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		98	26	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
trans-1,2-Dichloroethene	ND		98	23	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
trans-1,3-Dichloropropene	ND		98	9.7	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Trichloroethene	ND		98	27	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Trichlorofluoromethane	ND		98	46	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Vinyl chloride	ND		98	33	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Xylenes, Total	ND		200	54	ug/Kg		06/04/15 09:58	06/05/15 13:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		50 - 149				06/04/15 09:58	06/05/15 13:42	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146				06/04/15 09:58	06/05/15 13:42	1
4-Bromofluorobenzene (Surr)	101		49 - 148				06/04/15 09:58	06/05/15 13:42	1
Dibromofluoromethane (Surr)	99		60 - 140				06/04/15 09:58	06/05/15 13:42	1

Lab Sample ID: LCS 480-246187/1-A

Matrix: Solid

Analysis Batch: 246405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
1,1-Dichloroethane	2470	2490		ug/Kg		101	78 - 121	
1,1-Dichloroethene	2470	2390		ug/Kg		97	48 - 133	
1,2-Dichlorobenzene	2470	2430		ug/Kg		99	78 - 125	
1,2-Dichloroethane	2470	2270		ug/Kg		92	74 - 127	
Benzene	2470	2420		ug/Kg		98	77 - 125	
Chlorobenzene	2470	2340		ug/Kg		95	76 - 126	
cis-1,2-Dichloroethene	2470	2440		ug/Kg		99	79 - 124	
Ethylbenzene	2470	2310		ug/Kg		94	78 - 124	
Methyl tert-butyl ether	2470	2270		ug/Kg		92	67 - 137	
Tetrachloroethene	2470	2520		ug/Kg		102	73 - 133	
Toluene	2470	2330		ug/Kg		94	75 - 124	
trans-1,2-Dichloroethene	2470	2430		ug/Kg		99	74 - 129	
Trichloroethene	2470	2470		ug/Kg		100	75 - 131	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
Toluene-d8 (Surr)	96		50 - 149					
1,2-Dichloroethane-d4 (Surr)	93		53 - 146					
4-Bromofluorobenzene (Surr)	103		49 - 148					
Dibromofluoromethane (Surr)	101		60 - 140					

Lab Sample ID: LCSD 480-246187/2-A

Matrix: Solid

Analysis Batch: 246405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 246187

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethane	2490	2490		ug/Kg		100	78 - 121	0	20
1,1-Dichloroethene	2490	2210		ug/Kg		89	48 - 133	8	20
1,2-Dichlorobenzene	2490	2430		ug/Kg		97	78 - 125	0	20
1,2-Dichloroethane	2490	2330		ug/Kg		93	74 - 127	2	20

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-246187/2-A

Matrix: Solid

Analysis Batch: 246405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 246187

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	2490	2450		ug/Kg		98	77 - 125	1	20
Chlorobenzene	2490	2380		ug/Kg		96	76 - 126	2	20
cis-1,2-Dichloroethene	2490	2510		ug/Kg		101	79 - 124	3	20
Ethylbenzene	2490	2310		ug/Kg		93	78 - 124	0	20
Methyl tert-butyl ether	2490	2350		ug/Kg		94	67 - 137	3	20
Tetrachloroethene	2490	2440		ug/Kg		98	73 - 133	3	20
Toluene	2490	2340		ug/Kg		94	75 - 124	0	20
trans-1,2-Dichloroethene	2490	2490		ug/Kg		100	74 - 129	2	20
Trichloroethene	2490	2500		ug/Kg		101	75 - 131	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	96		50 - 149
1,2-Dichloroethane-d4 (Surr)	96		53 - 146
4-Bromofluorobenzene (Surr)	103		49 - 148
Dibromofluoromethane (Surr)	100		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-246519/1-A

Matrix: Solid

Analysis Batch: 246593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
4,4'-DDE	ND		1.6	0.35	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Aldrin	ND		1.6	0.40	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
alpha-BHC	ND		1.6	0.30	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
beta-BHC	ND		1.6	0.30	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Chlordane (technical)	ND		16	3.6	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
delta-BHC	ND		1.6	0.31	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Dieldrin	ND		1.6	0.39	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Endosulfan I	ND		1.6	0.32	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Endosulfan II	ND		1.6	0.30	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Endrin	ND		1.6	0.33	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Heptachlor	ND		1.6	0.36	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		06/05/15 14:06	06/06/15 11:18	1
Toxaphene	ND		16	9.6	ug/Kg		06/05/15 14:06	06/06/15 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		32 - 136	06/05/15 14:06	06/06/15 11:18	1
Tetrachloro-m-xylene	70		30 - 124	06/05/15 14:06	06/06/15 11:18	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

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

Lab Sample ID: LCS 480-246519/2-A

Matrix: Solid

Analysis Batch: 246593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	11.6		ug/Kg		70	52 - 138
4,4'-DDE	16.5	12.0		ug/Kg		73	52 - 131
4,4'-DDT	16.5	10.8		ug/Kg		66	50 - 131
Aldrin	16.5	8.99		ug/Kg		55	35 - 120
alpha-BHC	16.5	9.26		ug/Kg		56	49 - 120
beta-BHC	16.5	9.26		ug/Kg		56	52 - 127
delta-BHC	16.5	10.5		ug/Kg		64	45 - 123
Dieldrin	16.5	11.5		ug/Kg		70	50 - 131
Endosulfan I	16.5	11.3		ug/Kg		69	43 - 121
Endosulfan II	16.5	13.2		ug/Kg		80	48 - 134
Endosulfan sulfate	16.5	15.4		ug/Kg		93	46 - 144
Endrin	16.5	13.4		ug/Kg		82	46 - 134
Endrin aldehyde	16.5	13.4		ug/Kg		81	31 - 137
gamma-BHC (Lindane)	16.5	9.65		ug/Kg		59	50 - 120
Heptachlor	16.5	10.5		ug/Kg		64	51 - 121
Heptachlor epoxide	16.5	11.1		ug/Kg		67	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		32 - 136
Tetrachloro-m-xylene	64		30 - 124

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

GC/MS VOA

Prep Batch: 246178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1	SO-85121-060415-SM-014B	Total/NA	Solid	5035A	
480-81591-2	SO-85121-060415-SM-018	Total/NA	Solid	5035A	
480-81591-3	SO-85121-060415-SM-019	Total/NA	Solid	5035A	
LCS 480-246178/1-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 480-246178/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
MB 480-246178/3-A	Method Blank	Total/NA	Solid	5035A	

Prep Batch: 246187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1 - DL	SO-85121-060415-SM-014B	Total/NA	Solid	5035A	
480-81591-2 - DL	SO-85121-060415-SM-018	Total/NA	Solid	5035A	
480-81591-3 - DL	SO-85121-060415-SM-019	Total/NA	Solid	5035A	
LCS 480-246187/1-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 480-246187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
MB 480-246187/3-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 246351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1	SO-85121-060415-SM-014B	Total/NA	Solid	8260C	246178
480-81591-2	SO-85121-060415-SM-018	Total/NA	Solid	8260C	246178
480-81591-3	SO-85121-060415-SM-019	Total/NA	Solid	8260C	246178
LCS 480-246178/1-A	Lab Control Sample	Total/NA	Solid	8260C	246178
LCSD 480-246178/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	246178
MB 480-246178/3-A	Method Blank	Total/NA	Solid	8260C	246178

Analysis Batch: 246405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1 - DL	SO-85121-060415-SM-014B	Total/NA	Solid	8260C	246187
480-81591-2 - DL	SO-85121-060415-SM-018	Total/NA	Solid	8260C	246187
480-81591-3 - DL	SO-85121-060415-SM-019	Total/NA	Solid	8260C	246187
LCS 480-246187/1-A	Lab Control Sample	Total/NA	Solid	8260C	246187
LCSD 480-246187/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	246187
MB 480-246187/3-A	Method Blank	Total/NA	Solid	8260C	246187

GC Semi VOA

Prep Batch: 246519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1	SO-85121-060415-SM-014B	Total/NA	Solid	3550C	
480-81591-2	SO-85121-060415-SM-018	Total/NA	Solid	3550C	
480-81591-3	SO-85121-060415-SM-019	Total/NA	Solid	3550C	
LCS 480-246519/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-246519/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 246593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1	SO-85121-060415-SM-014B	Total/NA	Solid	8081B	246519
480-81591-2	SO-85121-060415-SM-018	Total/NA	Solid	8081B	246519
480-81591-3	SO-85121-060415-SM-019	Total/NA	Solid	8081B	246519
LCS 480-246519/2-A	Lab Control Sample	Total/NA	Solid	8081B	246519

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

GC Semi VOA (Continued)

Analysis Batch: 246593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-246519/1-A	Method Blank	Total/NA	Solid	8081B	246519

General Chemistry

Analysis Batch: 246341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81591-1	SO-85121-060415-SM-014B	Total/NA	Solid	Moisture	
480-81591-2	SO-85121-060415-SM-018	Total/NA	Solid	Moisture	
480-81591-3	SO-85121-060415-SM-019	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Client Sample ID: SO-85121-060415-SM-014B

Lab Sample ID: 480-81591-1

Date Collected: 06/04/15 13:20

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 71.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			246178	06/04/15 18:43	RAS	TAL BUF
Total/NA	Analysis	8260C		1	246351	06/05/15 01:37	RAS	TAL BUF
Total/NA	Prep	5035A	DL		246187	06/04/15 18:28	RAS	TAL BUF
Total/NA	Analysis	8260C	DL	2	246405	06/05/15 15:24	EDB	TAL BUF
Total/NA	Prep	3550C			246519	06/05/15 14:06	CPH	TAL BUF
Total/NA	Analysis	8081B		10	246593	06/06/15 11:55	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	246341	06/04/15 19:49	MJH	TAL BUF

Client Sample ID: SO-85121-060415-SM-018

Lab Sample ID: 480-81591-2

Date Collected: 06/04/15 13:00

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 72.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			246178	06/04/15 18:43	RAS	TAL BUF
Total/NA	Analysis	8260C		1	246351	06/05/15 02:02	RAS	TAL BUF
Total/NA	Prep	5035A	DL		246187	06/04/15 18:28	RAS	TAL BUF
Total/NA	Analysis	8260C	DL	4	246405	06/05/15 15:48	EDB	TAL BUF
Total/NA	Prep	3550C			246519	06/05/15 14:06	CPH	TAL BUF
Total/NA	Analysis	8081B		20	246593	06/06/15 10:41	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	246341	06/04/15 19:49	MJH	TAL BUF

Client Sample ID: SO-85121-060415-SM-019

Lab Sample ID: 480-81591-3

Date Collected: 06/04/15 13:05

Matrix: Solid

Date Received: 06/04/15 15:15

Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			246178	06/04/15 18:43	RAS	TAL BUF
Total/NA	Analysis	8260C		1	246351	06/05/15 02:28	RAS	TAL BUF
Total/NA	Prep	5035A	DL		246187	06/04/15 18:28	RAS	TAL BUF
Total/NA	Analysis	8260C	DL	4	246405	06/05/15 16:12	EDB	TAL BUF
Total/NA	Prep	3550C			246519	06/05/15 14:06	CPH	TAL BUF
Total/NA	Analysis	8081B		20	246593	06/06/15 10:59	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	246341	06/04/15 19:49	MJH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81591-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-81591-1	SO-85121-060415-SM-014B	Solid	06/04/15 13:20	06/04/15 15:15
480-81591-2	SO-85121-060415-SM-018	Solid	06/04/15 13:00	06/04/15 15:15
480-81591-3	SO-85121-060415-SM-019	Solid	06/04/15 13:05	06/04/15 15:15



CHAIN OF CUSTODY RECORD

COC NO.: 48117

Address:

PAGE OF

Phone:

Fax:

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 95121-041101-403		Laboratory Name: Test America, Inc.		Lab Location: Amherst, NY		SSOW ID: ENVA-402-003-200										
Project Name: Nash Rd. Landfill		Lab Contact: Melissa Deyo		Lab Quote No:		Cooler No:										
Project Location: Wheatfield, NY		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier:										
Chemistry Contact: Paul McMahon		SAMPLE TYPE		Total Containers/Sample		Airbill No:										
Sampler(s): Shawn McEvoy		Matrix Code		Other:		Date Shipped:										
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yyyy)	TIME (hh:mm)	Grab (g) or Comp (c)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:			
1	SO-85121-060415-SM-014B	6/4/15	1320	SO G	1						3		2 day TAT			
2	SO-85121-060415-SM-018	6/4/15	1300	SO G	1						3		Any questions call Paul McMahon 297-6150			
3	SO-85121-060415-SM-019	6/4/15	1305	SO G	1						3					
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☒ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:													Total Number of Containers: 12	Notes/Special Requirements: Temp 48#1		
All Samples in Cooler must be on COC													RECEIVED BY	COMPANY	DATE	TIME
1.													1.	CRA	6/4/15	1445
2.													2.	CRA	6/4/15	1515
3.													3.	CRA	6/4/15	1515

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

WHITE – Fully Executed Copy (CRA)

YELLOW – Receiving Laboratory Copy

PINK – Shipper

GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-81591-1

Login Number: 81591

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-75311-1

Client Project/Site: 85121DM, Nash Road Landfill Site

Revision: 1

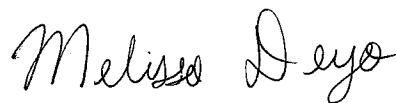
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

2/20/2015 11:24:11 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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results through

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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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Job ID: 480-75311-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-75311-1

Revision I

This report was revised to include additional analytes.

Receipt

The samples were received on 2/11/2015 4:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 226659 recovered above the upper control limit for Several Analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-226659/3).

Method(s) 8260C: Surrogate recovery for the following sample was outside control limits: SO-85121-021115-SM-003 (480-75311-1), SO-85121-021115-SM-004 (480-75311-2). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Method(s) 8260C: The following sample(s) was analyzed and or diluted using medium level soil analysis to bring the concentration of target analytes within the calibration range: SO-85121-021115-SM-003 (480-75311-1), SO-85121-021115-SM-004 (480-75311-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 226825 recovered above the upper control limit for Carbon Tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-226825/3).

Method(s) 8260C: The laboratory control sample (LCS) batch 226825 recovered outside control limits for the following analytes: Cis-1,3Dichloropropene and Trans-1,3Dichloropropene. These were not requested spike compounds; therefore, the data have been qualified and reported.

Method(s) 8260C: The following sample(s) was diluted to medium level soil analysis to bring the concentration of target analytes within the calibration range: SO-85121-021115-SM-003 (480-75311-1), SO-85121-021115-SM-004 (480-75311-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Surrogate recovery for the following sample(s) was outside control limits: SO-85121-021115-SM-003 (480-75311-1), SO-85121-021115-SM-004 (480-75311-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to matrix effects: SO-85121-021115-SM-003 (480-75311-1), SO-85121-021115-SM-004 (480-75311-2). Surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-003

Lab Sample ID: 480-75311-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	160		8.4	0.66	ug/Kg	1		✱	8260C	Total/NA
1,3-Dichlorobenzene	24		8.4	0.43	ug/Kg	1		✱	8260C	Total/NA
Chloroform	0.75	J	8.4	0.52	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	40		8.4	0.58	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	6.1	J	8.4	3.9	ug/Kg	1		✱	8260C	Total/NA
1,2,4-Trichlorobenzene	140		8.4	0.51	ug/Kg	1		✱	8260C	Total/NA
2-Butanone (MEK)	110		42	3.1	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene - DL	1100	*	150	21	ug/Kg	1		✱	8260C	Total/NA
Benzene - DL	2400		150	28	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene - DL	1700		150	19	ug/Kg	1		✱	8260C	Total/NA
Toluene - DL	5300		150	40	ug/Kg	1		✱	8260C	Total/NA
alpha-BHC	10	J B	46	8.3	ug/Kg	20		✱	8081B	Total/NA
beta-BHC	15	J	46	8.3	ug/Kg	20		✱	8081B	Total/NA

Client Sample ID: SO-85121-021115-SM-004

Lab Sample ID: 480-75311-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	39	J	130	34	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene	140		130	19	ug/Kg	1		✱	8260C	Total/NA
Benzene	4700		130	25	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	1200		130	18	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	80	J	130	26	ug/Kg	1		✱	8260C	Total/NA
Toluene	12000		130	36	ug/Kg	1		✱	8260C	Total/NA
4,4'-DDD	13	J	43	8.4	ug/Kg	20		✱	8081B	Total/NA
4,4'-DDE	14	J	43	9.1	ug/Kg	20		✱	8081B	Total/NA
Aldrin	17	J	43	11	ug/Kg	20		✱	8081B	Total/NA
alpha-BHC	120	B	43	7.8	ug/Kg	20		✱	8081B	Total/NA
beta-BHC	190		43	7.8	ug/Kg	20		✱	8081B	Total/NA
delta-BHC	15	J	43	8.1	ug/Kg	20		✱	8081B	Total/NA
Endosulfan I	14	J	43	8.3	ug/Kg	20		✱	8081B	Total/NA
Endrin	140		43	8.6	ug/Kg	20		✱	8081B	Total/NA
gamma-BHC (Lindane)	14	J	43	8.0	ug/Kg	20		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-003

Lab Sample ID: 480-75311-1

Date Collected: 02/11/15 14:00

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 72.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.4	0.61	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,1,2,2-Tetrachloroethane	ND		8.4	1.4	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,1,2-Trichloroethane	ND		8.4	1.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,1-Dichloroethane	ND		8.4	1.0	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,1-Dichloroethene	ND		8.4	1.0	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,2-Dichlorobenzene	160		8.4	0.66	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,2-Dichloroethane	ND		8.4	0.42	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,2-Dichloroethene, Total	ND		17	4.4	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,2-Dichloropropane	ND		8.4	4.2	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,3-Dichlorobenzene	24		8.4	0.43	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
2-Chloroethyl vinyl ether	ND		17	4.2	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Acrolein	ND		42	13	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Acrylonitrile	ND		42	7.6	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Bromodichloromethane	ND		8.4	1.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Bromoform	ND		8.4	4.2	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Bromomethane	ND		8.4	0.76	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Carbon tetrachloride	ND		8.4	0.82	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Chloroethane	ND		8.4	1.9	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Chloroform	0.75	J	8.4	0.52	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Chloromethane	ND		8.4	0.51	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
cis-1,3-Dichloropropene	ND		8.4	1.2	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Dibromochloromethane	ND		8.4	1.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Ethylbenzene	40		8.4	0.58	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Methylene Chloride	6.1	J	8.4	3.9	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Tetrachloroethene	ND		8.4	1.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
trans-1,3-Dichloropropene	ND		8.4	3.7	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Trichloroethene	ND		8.4	1.9	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Vinyl chloride	ND		8.4	1.0	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
1,2,4-Trichlorobenzene	140		8.4	0.51	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
Methyl tert-butyl ether	ND		8.4	0.83	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
trans-1,2-Dichloroethene	ND		8.4	0.87	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
2-Butanone (MEK)	110		42	3.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1
cis-1,2-Dichloroethene	ND		8.4	1.1	ug/Kg	☼	02/11/15 21:00	02/12/15 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	02/11/15 21:00	02/12/15 02:17	1
4-Bromofluorobenzene (Surr)	95		72 - 126	02/11/15 21:00	02/12/15 02:17	1
Dibromofluoromethane (Surr)	92		60 - 140	02/11/15 21:00	02/12/15 02:17	1
Toluene-d8 (Surr)	94		71 - 125	02/11/15 21:00	02/12/15 02:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1100	*	150	21	ug/Kg	☼	02/11/15 21:20	02/12/15 13:34	1
Benzene	2400		150	28	ug/Kg	☼	02/11/15 21:20	02/12/15 13:34	1
Chlorobenzene	1700		150	19	ug/Kg	☼	02/11/15 21:20	02/12/15 13:34	1
Toluene	5300		150	40	ug/Kg	☼	02/11/15 21:20	02/12/15 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	157	X	53 - 146	02/11/15 21:20	02/12/15 13:34	1
4-Bromofluorobenzene (Surr)	160	X	49 - 148	02/11/15 21:20	02/12/15 13:34	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-003

Lab Sample ID: 480-75311-1

Date Collected: 02/11/15 14:00

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 72.2

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	147	X	60 - 140	02/11/15 21:20	02/12/15 13:34	1
Toluene-d8 (Surr)	148		50 - 149	02/11/15 21:20	02/12/15 13:34	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		46	8.9	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
4,4'-DDE	ND		46	9.6	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
4,4'-DDT	ND		46	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Aldrin	ND		46	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
alpha-BHC	10	J B	46	8.3	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
beta-BHC	15	J	46	8.3	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Chlordane (technical)	ND		460	100	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
delta-BHC	ND		46	8.5	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Dieldrin	ND		46	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Endosulfan I	ND		46	8.8	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Endosulfan II	ND		46	8.3	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Endosulfan sulfate	ND		46	8.6	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Endrin	ND		46	9.1	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Endrin aldehyde	ND		46	12	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
gamma-BHC (Lindane)	ND		46	8.4	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Heptachlor	ND		46	9.9	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Heptachlor epoxide	ND		46	12	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Toxaphene	ND		460	270	ug/Kg	☼	02/12/15 08:21	02/13/15 16:16	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136				02/12/15 08:21	02/13/15 16:16	20
Tetrachloro-m-xylene	153	X	30 - 124				02/12/15 08:21	02/13/15 16:16	20

Client Sample ID: SO-85121-021115-SM-004

Lab Sample ID: 480-75311-2

Date Collected: 02/11/15 14:15

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 76.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	37	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,1,2,2-Tetrachloroethane	ND		130	22	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,1,2-Trichloroethane	ND		130	28	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,1-Dichloroethane	ND		130	41	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,1-Dichloroethene	ND		130	46	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,2-Dichlorobenzene	39	J	130	34	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,2-Dichloroethane	ND		130	55	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,2-Dichloroethene, Total	ND		270	70	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,2-Dichloropropane	ND		130	22	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,3-Dichlorobenzene	ND		130	36	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,4-Dichlorobenzene	140		130	19	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
2-Chloroethyl vinyl ether	ND		670	43	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Acrolein	ND		670	270	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Acrylonitrile	ND		670	330	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Benzene	4700		130	25	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Bromodichloromethane	ND		130	27	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-004

Lab Sample ID: 480-75311-2

Date Collected: 02/11/15 14:15

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 76.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		130	67	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Bromomethane	ND		130	29	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Carbon tetrachloride	ND		130	34	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Chlorobenzene	1200		130	18	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Chloroethane	ND		130	28	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Chloroform	ND		130	91	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Chloromethane	ND		130	32	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
cis-1,3-Dichloropropene	ND		130	32	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Dibromochloromethane	ND		130	65	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Ethylbenzene	ND		130	39	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Methylene Chloride	80 J		130	26	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Tetrachloroethene	ND		130	18	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Toluene	12000		130	36	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
trans-1,3-Dichloropropene	ND		130	13	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Trichloroethene	ND		130	37	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Vinyl chloride	ND		130	45	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
1,2,4-Trichlorobenzene	ND		130	51	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
Methyl tert-butyl ether	ND		130	50	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
trans-1,2-Dichloroethene	ND		130	31	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
2-Butanone (MEK)	ND		670	400	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1
cis-1,2-Dichloroethene	ND		130	37	ug/Kg	☼	02/11/15 21:20	02/12/15 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	148	X	53 - 146	02/11/15 21:20	02/12/15 13:57	1
4-Bromofluorobenzene (Surr)	154	X	49 - 148	02/11/15 21:20	02/12/15 13:57	1
Dibromofluoromethane (Surr)	145	X	60 - 140	02/11/15 21:20	02/12/15 13:57	1
Toluene-d8 (Surr)	142		50 - 149	02/11/15 21:20	02/12/15 13:57	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	13 J		43	8.4	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
4,4'-DDE	14 J		43	9.1	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
4,4'-DDT	ND		43	10	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Aldrin	17 J		43	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
alpha-BHC	120 B		43	7.8	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
beta-BHC	190		43	7.8	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Chlordane (technical)	ND		430	96	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
delta-BHC	15 J		43	8.1	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Dieldrin	ND		43	10	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Endosulfan I	14 J		43	8.3	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Endosulfan II	ND		43	7.8	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Endosulfan sulfate	ND		43	8.1	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Endrin	140		43	8.6	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Endrin aldehyde	ND		43	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
gamma-BHC (Lindane)	14 J		43	8.0	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Heptachlor	ND		43	9.4	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Heptachlor epoxide	ND		43	11	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20
Toxaphene	ND		430	250	ug/Kg	☼	02/12/15 08:21	02/13/15 16:34	20

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-004

Lab Sample ID: 480-75311-2

Date Collected: 02/11/15 14:15

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 76.7

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
DCB Decachlorobiphenyl	0	X	32 - 136	02/12/15 08:21	02/13/15 16:34	20
Tetrachloro-m-xylene	179	X	30 - 124	02/12/15 08:21	02/13/15 16:34	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-75311-1	SO-85121-021115-SM-003	97	95	92	94
LCS 480-226603/1-A	Lab Control Sample	102	99	101	100
MB 480-226603/2-A	Method Blank	99	96	96	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (53-146)	BFB (49-148)	DBFM (60-140)	TOL (50-149)
480-75311-1 - DL	SO-85121-021115-SM-003	157 X	160 X	147 X	148
480-75311-2	SO-85121-021115-SM-004	148 X	154 X	145 X	142

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (32-136)	TCX1 (30-124)
480-75311-1	SO-85121-021115-SM-003	0 X	153 X
480-75311-2	SO-85121-021115-SM-004	0 X	179 X
LCS 480-226654/2-A	Lab Control Sample	91	93
MB 480-226654/1-A	Method Blank	95	92

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-226603/2-A

Matrix: Solid

Analysis Batch: 226607

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.80	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1,2-Trichloroethane	ND		5.0	0.64	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1-Dichloroethane	ND		5.0	0.60	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloroethene, Total	ND		9.9	2.6	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
2-Chloroethyl vinyl ether	ND		9.9	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Acrolein	ND		25	7.8	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Acrylonitrile	ND		25	4.4	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Benzene	ND		5.0	0.24	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromodichloromethane	ND		5.0	0.66	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromoform	ND		5.0	2.5	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Bromomethane	ND		5.0	0.45	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chlorobenzene	ND		5.0	0.65	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloroethane	ND		5.0	1.1	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloroform	ND		5.0	0.31	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Chloromethane	ND		5.0	0.30	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Dibromochloromethane	ND		5.0	0.63	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Tetrachloroethene	ND		5.0	0.66	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Toluene	ND		5.0	0.37	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Trichloroethene	ND		5.0	1.1	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Vinyl chloride	ND		5.0	0.60	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		02/11/15 21:00	02/12/15 00:19	1
cis-1,2-Dichloroethene	ND		5.0	0.63	ug/Kg		02/11/15 21:00	02/12/15 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	02/11/15 21:00	02/12/15 00:19	1
4-Bromofluorobenzene (Surr)	96		72 - 126	02/11/15 21:00	02/12/15 00:19	1
Dibromofluoromethane (Surr)	96		60 - 140	02/11/15 21:00	02/12/15 00:19	1
Toluene-d8 (Surr)	100		71 - 125	02/11/15 21:00	02/12/15 00:19	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-226603/1-A

Matrix: Solid

Analysis Batch: 226607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 226603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.8	49.2		ug/Kg		99	73 - 126
1,1-Dichloroethene	49.8	47.9		ug/Kg		96	59 - 125
1,2-Dichlorobenzene	49.8	49.9		ug/Kg		100	75 - 120
1,2-Dichloroethane	49.8	49.5		ug/Kg		99	77 - 122
2-Chloroethyl vinyl ether	49.8	55.7		ug/Kg		112	82 - 116
Benzene	49.8	49.4		ug/Kg		99	79 - 127
Chlorobenzene	49.8	48.9		ug/Kg		98	76 - 124
Ethylbenzene	49.8	49.8		ug/Kg		100	80 - 120
Tetrachloroethene	49.8	47.8		ug/Kg		96	74 - 122
Toluene	49.8	48.5		ug/Kg		97	74 - 128
Trichloroethene	49.8	49.3		ug/Kg		99	77 - 129
Methyl tert-butyl ether	49.8	51.6		ug/Kg		104	63 - 125
trans-1,2-Dichloroethene	49.8	48.5		ug/Kg		97	78 - 126
cis-1,2-Dichloroethene	49.8	49.4		ug/Kg		99	81 - 117

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		71 - 125

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-226654/1-A

Matrix: Solid

Analysis Batch: 226863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Aldrin	ND		1.7	0.41	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
alpha-BHC	0.485	J	1.7	0.30	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
beta-BHC	ND		1.7	0.30	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Chlordane (technical)	ND		17	3.7	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
delta-BHC	ND		1.7	0.31	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Dieldrin	ND		1.7	0.40	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Endosulfan I	ND		1.7	0.32	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Endosulfan II	ND		1.7	0.30	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Endrin	ND		1.7	0.33	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Heptachlor	ND		1.7	0.36	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		02/12/15 08:21	02/13/15 09:37	1
Toxaphene	ND		17	9.6	ug/Kg		02/12/15 08:21	02/13/15 09:37	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

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

Lab Sample ID: MB 480-226654/1-A

Matrix: Solid

Analysis Batch: 226863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226654

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		32 - 136	02/12/15 08:21	02/13/15 09:37	1
Tetrachloro-m-xylene	92		30 - 124	02/12/15 08:21	02/13/15 09:37	1

Lab Sample ID: LCS 480-226654/2-A

Matrix: Solid

Analysis Batch: 226863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 226654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	15.7		ug/Kg		96	52 - 138
4,4'-DDE	16.4	15.3		ug/Kg		93	52 - 131
4,4'-DDT	16.4	14.9		ug/Kg		91	50 - 131
Aldrin	16.4	13.7		ug/Kg		84	35 - 120
alpha-BHC	16.4	14.2		ug/Kg		86	49 - 120
beta-BHC	16.4	13.4		ug/Kg		82	52 - 127
delta-BHC	16.4	14.6		ug/Kg		89	45 - 123
Dieldrin	16.4	15.9		ug/Kg		97	50 - 131
Endosulfan I	16.4	14.8		ug/Kg		90	43 - 121
Endosulfan II	16.4	15.8		ug/Kg		96	48 - 134
Endosulfan sulfate	16.4	17.8		ug/Kg		109	46 - 144
Endrin	16.4	15.9		ug/Kg		97	46 - 134
Endrin aldehyde	16.4	16.7		ug/Kg		102	31 - 137
gamma-BHC (Lindane)	16.4	14.3		ug/Kg		87	50 - 120
Heptachlor	16.4	15.1		ug/Kg		92	51 - 121
Heptachlor epoxide	16.4	15.0		ug/Kg		91	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	91		32 - 136
Tetrachloro-m-xylene	93		30 - 124

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

GC/MS VOA

Prep Batch: 226603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1	SO-85121-021115-SM-003	Total/NA	Solid	5035A	
LCS 480-226603/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-226603/2-A	Method Blank	Total/NA	Solid	5035A	

Prep Batch: 226604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1 - DL	SO-85121-021115-SM-003	Total/NA	Solid	5035A	
480-75311-2	SO-85121-021115-SM-004	Total/NA	Solid	5035A	

Analysis Batch: 226607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1	SO-85121-021115-SM-003	Total/NA	Solid	8260C	226603
LCS 480-226603/1-A	Lab Control Sample	Total/NA	Solid	8260C	226603
MB 480-226603/2-A	Method Blank	Total/NA	Solid	8260C	226603

Analysis Batch: 226659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1 - DL	SO-85121-021115-SM-003	Total/NA	Solid	8260C	226604
480-75311-2	SO-85121-021115-SM-004	Total/NA	Solid	8260C	226604

GC Semi VOA

Prep Batch: 226654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1	SO-85121-021115-SM-003	Total/NA	Solid	3550C	
480-75311-2	SO-85121-021115-SM-004	Total/NA	Solid	3550C	
LCS 480-226654/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-226654/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 226863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1	SO-85121-021115-SM-003	Total/NA	Solid	8081B	226654
480-75311-2	SO-85121-021115-SM-004	Total/NA	Solid	8081B	226654
LCS 480-226654/2-A	Lab Control Sample	Total/NA	Solid	8081B	226654
MB 480-226654/1-A	Method Blank	Total/NA	Solid	8081B	226654

General Chemistry

Analysis Batch: 226818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75311-1	SO-85121-021115-SM-003	Total/NA	Solid	Moisture	
480-75311-2	SO-85121-021115-SM-004	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Client Sample ID: SO-85121-021115-SM-003

Lab Sample ID: 480-75311-1

Date Collected: 02/11/15 14:00

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			226603	02/11/15 21:00	GTG	TAL BUF
Total/NA	Analysis	8260C		1	226607	02/12/15 02:17	RAS	TAL BUF
Total/NA	Prep	5035A	DL		226604	02/11/15 21:20	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	1	226659	02/12/15 13:34	GTG	TAL BUF
Total/NA	Prep	3550C			226654	02/12/15 08:21	MRB	TAL BUF
Total/NA	Analysis	8081B		20	226863	02/13/15 16:16	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	226618	02/11/15 22:34	CMK	TAL BUF

Client Sample ID: SO-85121-021115-SM-004

Lab Sample ID: 480-75311-2

Date Collected: 02/11/15 14:15

Matrix: Solid

Date Received: 02/11/15 16:45

Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			226604	02/11/15 21:20	GTG	TAL BUF
Total/NA	Analysis	8260C		1	226659	02/12/15 13:57	GTG	TAL BUF
Total/NA	Prep	3550C			226654	02/12/15 08:21	MRB	TAL BUF
Total/NA	Analysis	8081B		20	226863	02/13/15 16:34	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	226618	02/11/15 22:34	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C	5035A	Solid	1,2-Dichloroethene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75311-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-75311-1	SO-85121-021115-SM-003	Solid	02/11/15 14:00	02/11/15 16:45
480-75311-2	SO-85121-021115-SM-004	Solid	02/11/15 14:15	02/11/15 16:45

CHAIN OF CUSTODY RECORD

COC NO: 48105

PAGE 1 OF 1

(See Reverse Side for Instructions)



480-75311 Chain of Custody

VERS

Address:

Phone:

Fax:

Project: 85121 - D41101 - 403 Nash Rd. Landfill Wheatfield, NY Chemistry Contact: Paul McMahon Sampler(s): S McEvoy		Laboratory Name: Test America Lab Contact: Melissa Deyo		Lab Location: Amherst, NY Lab Quote No:		SSOW ID: ENV20H-402-DC3-2100												
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	CONTAINER QUANTITY & PRESERVATION							ANALYSIS REQUESTED (See Back of COC for Definitions)	Carrier:	Airbill No:	Date Shipped:	COMMENTS/ SPECIAL INSTRUCTIONS:
	Unpreserved	Hydrochloric Acid (HCl)					Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample					
1	SO-85121-021115-SM-003		2/11/15	14:00	SO	C	✓											
2	SO-85121-021115-SM-004		2/11/15	14:15	SO	C	✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☒ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:					Total Number of Containers: 8		Notes/ Special Requirements:											
RELINQUISHED BY [Signature]					DATE 2/11/15		TIME 16:20		COMPANY CRA		RECEIVED BY [Signature]		DATE 2/11/15		TIME 16:20		COMPANY CRA	
1. [Signature]					DATE 2/11/15		TIME 16:45		COMPANY CRA		RECEIVED BY [Signature]		DATE 2/11/15		TIME 16:45		COMPANY CRA	
2. [Signature]					DATE 2/11/15		TIME 16:45		COMPANY CRA		RECEIVED BY [Signature]		DATE 2/11/15		TIME 16:45		COMPANY CRA	
3. [Signature]					DATE 2/11/15		TIME 16:45		COMPANY CRA		RECEIVED BY [Signature]		DATE 2/11/15		TIME 16:45		COMPANY CRA	

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

WHITE Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK Shipper

GOLDENROD - Sampling Crew

CRA Form CRA-105 (9/11/04)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-75311-1

Login Number: 75311

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	cra
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-75971-1

Client Project/Site: 85121DM, Nash Road Landfill Site

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

3/5/2015 5:15:38 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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results through

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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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Job ID: 480-75971-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-75971-1

Receipt

The samples were received on 2/27/2015 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method(s) 8260C: Surrogate recovery for the following sample(s) was outside the upper control limit: (LCS 480-228662/1-A). This sample was spiked with surrogate at the Encore preparation step. The instrument autosampler also added surrogate to this sample. There is no volume remaining for reanalysis. The data has been accepted.

Method(s) 8260C: The following sample was analyzed using medium level soil techniques to bring the concentration of target analytes within the calibration range: SO-85121-022715-SM-005 (480-75971-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following sample(s) was diluted due to the nature of the sample matrix : SO-85121-022715-SM-006 (480-75971-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-005

Lab Sample ID: 480-75971-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Toluene	3.3	J	5.2	0.39	ug/Kg	1		✱	8260C	Total/NA
Benzene - DL	1100		120	23	ug/Kg	1		✱	8260C	Total/NA
alpha-BHC	2.2		2.0	0.37	ug/Kg	1		✱	8081B	Total/NA
beta-BHC	2.3		2.0	0.37	ug/Kg	1		✱	8081B	Total/NA
delta-BHC	0.52	J B	2.0	0.38	ug/Kg	1		✱	8081B	Total/NA
gamma-BHC (Lindane)	0.73	J B	2.0	0.37	ug/Kg	1		✱	8081B	Total/NA

Client Sample ID: SO-85121-022715-SM-006

Lab Sample ID: 480-75971-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	11		5.9	0.36	ug/Kg	1		✱	8260C	Total/NA
1,2-Dichlorobenzene	8.1		5.9	0.46	ug/Kg	1		✱	8260C	Total/NA
1,3-Dichlorobenzene	1.4	J	5.9	0.30	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene	14		5.9	0.83	ug/Kg	1		✱	8260C	Total/NA
Acetone	14	J	30	5.0	ug/Kg	1		✱	8260C	Total/NA
Benzene	11		5.9	0.29	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	14		5.9	0.78	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	2.6	J	5.9	0.83	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	0.83	J	5.9	0.41	ug/Kg	1		✱	8260C	Total/NA
Methylcyclohexane	1.2	J	5.9	0.90	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.8	J	5.9	2.7	ug/Kg	1		✱	8260C	Total/NA
Toluene	90		5.9	0.45	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	7.9	J	12	0.99	ug/Kg	1		✱	8260C	Total/NA
alpha-BHC	36		20	3.6	ug/Kg	10		✱	8081B	Total/NA
beta-BHC	61		20	3.6	ug/Kg	10		✱	8081B	Total/NA
delta-BHC	9.8	J B	20	3.7	ug/Kg	10		✱	8081B	Total/NA
gamma-BHC (Lindane)	13	J B	20	3.7	ug/Kg	10		✱	8081B	Total/NA
Heptachlor	83		20	4.3	ug/Kg	10		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-005

Lab Sample ID: 480-75971-1

Date Collected: 02/27/15 14:00

Matrix: Solid

Date Received: 02/27/15 16:10

Percent Solids: 79.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.84	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,1,2-Trichloroethane	ND		5.2	0.68	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,1-Dichloroethane	ND		5.2	0.63	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2-Dichlorobenzene	ND		5.2	0.41	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,3-Dichlorobenzene	ND		5.2	0.27	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,4-Dichlorobenzene	ND		5.2	0.73	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Acetone	ND		26	4.4	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Carbon tetrachloride	ND		5.2	0.50	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Dibromochloromethane	ND		5.2	0.67	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Chloromethane	ND		5.2	0.31	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Isopropylbenzene	ND		5.2	0.78	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Methyl acetate	ND		5.2	3.1	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Methylcyclohexane	ND		5.2	0.79	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Methylene Chloride	ND		5.2	2.4	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Styrene	ND		5.2	0.26	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Toluene	3.3 J		5.2	0.39	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Trichloroethene	ND		5.2	1.1	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Trichlorofluoromethane	ND		5.2	0.49	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Vinyl chloride	ND		5.2	0.63	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1
Xylenes, Total	ND		10	0.87	ug/Kg	☼	02/27/15 22:20	03/02/15 02:47	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-005

Lab Sample ID: 480-75971-1

Date Collected: 02/27/15 14:00

Matrix: Solid

Date Received: 02/27/15 16:10

Percent Solids: 79.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 125	02/27/15 22:20	03/02/15 02:47	1
1,2-Dichloroethane-d4 (Surr)	96		64 - 126	02/27/15 22:20	03/02/15 02:47	1
4-Bromofluorobenzene (Surr)	82		72 - 126	02/27/15 22:20	03/02/15 02:47	1
Dibromofluoromethane (Surr)	87		60 - 140	02/27/15 22:20	03/02/15 02:47	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		120	23	ug/Kg	☼	02/27/15 22:33	03/04/15 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	132		50 - 149	02/27/15 22:33	03/04/15 21:08	1
1,2-Dichloroethane-d4 (Surr)	137		53 - 146	02/27/15 22:33	03/04/15 21:08	1
4-Bromofluorobenzene (Surr)	133		49 - 148	02/27/15 22:33	03/04/15 21:08	1
Dibromofluoromethane (Surr)	133		60 - 140	02/27/15 22:33	03/04/15 21:08	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.40	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
4,4'-DDE	ND		2.0	0.43	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
4,4'-DDT	ND		2.0	0.48	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Aldrin	ND		2.0	0.50	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
alpha-BHC	2.2		2.0	0.37	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
beta-BHC	2.3		2.0	0.37	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Chlordane (technical)	ND		20	4.5	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
delta-BHC	0.52	J B	2.0	0.38	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Dieldrin	ND		2.0	0.49	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Endosulfan I	ND		2.0	0.39	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Endosulfan II	ND		2.0	0.37	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Endrin	ND		2.0	0.40	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Endrin aldehyde	ND		2.0	0.52	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
gamma-BHC (Lindane)	0.73	J B	2.0	0.37	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Heptachlor epoxide	ND		2.0	0.53	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1
Toxaphene	ND		20	12	ug/Kg	☼	02/28/15 07:48	03/02/15 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		32 - 136	02/28/15 07:48	03/02/15 09:33	1
Tetrachloro-m-xylene	65		30 - 124	02/28/15 07:48	03/02/15 09:33	1

Client Sample ID: SO-85121-022715-SM-006

Lab Sample ID: 480-75971-2

Date Collected: 02/27/15 14:20

Matrix: Solid

Date Received: 02/27/15 16:10

Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.96	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,1,2-Trichloroethane	ND		5.9	0.77	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,1,2-Trichloro-1,1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-006

Lab Sample ID: 480-75971-2

Date Collected: 02/27/15 14:20

Matrix: Solid

Date Received: 02/27/15 16:10

Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2,4-Trichlorobenzene	11		5.9	0.36	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2-Dichlorobenzene	8.1		5.9	0.46	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2-Dichloroethane	ND		5.9	0.30	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2-Dichloropropane	ND		5.9	3.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,3-Dichlorobenzene	1.4 J		5.9	0.30	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,4-Dichlorobenzene	14		5.9	0.83	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
2-Hexanone	ND		30	3.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		30	1.9	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Acetone	14 J		30	5.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Benzene	11		5.9	0.29	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Bromodichloromethane	ND		5.9	0.79	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Bromomethane	ND		5.9	0.53	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Carbon disulfide	ND		5.9	3.0	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Chlorobenzene	14		5.9	0.78	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Dibromochloromethane	ND		5.9	0.76	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Chloroethane	ND		5.9	1.3	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Chloroform	ND		5.9	0.37	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Chloromethane	ND		5.9	0.36	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
cis-1,2-Dichloroethene	ND		5.9	0.76	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
cis-1,3-Dichloropropene	ND		5.9	0.85	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Cyclohexane	2.6 J		5.9	0.83	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Dichlorodifluoromethane	ND		5.9	0.49	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Ethylbenzene	0.83 J		5.9	0.41	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
1,2-Dibromoethane	ND		5.9	0.76	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Isopropylbenzene	ND		5.9	0.89	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Methyl acetate	ND		5.9	3.6	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Methylcyclohexane	1.2 J		5.9	0.90	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Methylene Chloride	2.8 J		5.9	2.7	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Styrene	ND		5.9	0.30	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Toluene	90		5.9	0.45	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
trans-1,2-Dichloroethene	ND		5.9	0.61	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Trichlorofluoromethane	ND		5.9	0.56	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Xylenes, Total	7.9 J		12	0.99	ug/Kg	☼	02/27/15 22:20	03/02/15 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		71 - 125				02/27/15 22:20	03/02/15 03:13	1
1,2-Dichloroethane-d4 (Surr)	93		64 - 126				02/27/15 22:20	03/02/15 03:13	1
4-Bromofluorobenzene (Surr)	83		72 - 126				02/27/15 22:20	03/02/15 03:13	1
Dibromofluoromethane (Surr)	87		60 - 140				02/27/15 22:20	03/02/15 03:13	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-006

Lab Sample ID: 480-75971-2

Date Collected: 02/27/15 14:20

Matrix: Solid

Date Received: 02/27/15 16:10

Percent Solids: 82.0

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		20	3.9	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
4,4'-DDE	ND		20	4.2	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
4,4'-DDT	ND		20	4.7	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Aldrin	ND		20	4.9	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
alpha-BHC	36		20	3.6	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
beta-BHC	61		20	3.6	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Chlordane (technical)	ND		200	45	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
delta-BHC	9.8 J B		20	3.7	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Dieldrin	ND		20	4.8	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Endosulfan I	ND		20	3.9	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Endosulfan II	ND		20	3.6	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Endosulfan sulfate	ND		20	3.7	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Endrin	ND		20	4.0	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Endrin aldehyde	ND		20	5.1	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
gamma-BHC (Lindane)	13 J B		20	3.7	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Heptachlor	83		20	4.3	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Heptachlor epoxide	ND		20	5.2	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Toxaphene	ND		200	120	ug/Kg	☼	02/28/15 07:48	03/02/15 09:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		32 - 136				02/28/15 07:48	03/02/15 09:51	10
Tetrachloro-m-xylene	118		30 - 124				02/28/15 07:48	03/02/15 09:51	10

TestAmerica Buffalo

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	12DCE (64-126)	BFB (72-126)	DBFM (60-140)
480-75971-1	SO-85121-022715-SM-005	103	96	82	87
480-75971-2	SO-85121-022715-SM-006	102	93	83	87
LCS 480-228660/8-A	Lab Control Sample	99	95	94	93
MB 480-228660/2-A	Method Blank	96	92	88	87

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-75971-1 - DL	SO-85121-022715-SM-005	132	137	133	133
LCS 480-228662/1-A	Lab Control Sample	130	148 X	129	138
MB 480-228662/2-A	Method Blank	124	140	124	130

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-75971-1	SO-85121-022715-SM-005	92	65
480-75971-1 MS	SO-85121-022715-SM-005	99	66
480-75971-1 MSD	SO-85121-022715-SM-005	96	64
480-75971-2	SO-85121-022715-SM-006	88	118
LCS 480-228672/2-A	Lab Control Sample	96	77
MB 480-228672/1-A	Method Blank	99	75

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-228660/2-A

Matrix: Solid

Analysis Batch: 228735

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
2-Hexanone	ND		25	2.5	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Acetone	ND		25	4.2	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Benzene	ND		5.0	0.24	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Bromoform	ND		5.0	2.5	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Bromomethane	ND		5.0	0.45	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Chloroethane	ND		5.0	1.1	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Chloroform	ND		5.0	0.31	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Chloromethane	ND		5.0	0.30	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Cyclohexane	ND		5.0	0.70	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Methyl acetate	ND		5.0	3.0	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Styrene	ND		5.0	0.25	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Toluene	ND		5.0	0.38	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Trichloroethene	ND		5.0	1.1	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		02/27/15 22:20	03/02/15 01:00	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		02/27/15 22:20	03/02/15 01:00	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-228660/2-A

Matrix: Solid

Analysis Batch: 228735

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228660

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 125	02/27/15 22:20	03/02/15 01:00	1
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	02/27/15 22:20	03/02/15 01:00	1
4-Bromofluorobenzene (Surr)	88		72 - 126	02/27/15 22:20	03/02/15 01:00	1
Dibromofluoromethane (Surr)	87		60 - 140	02/27/15 22:20	03/02/15 01:00	1

Lab Sample ID: LCS 480-228660/8-A

Matrix: Solid

Analysis Batch: 228735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.1	48.1		ug/Kg		98	73 - 126
1,1-Dichloroethene	49.1	47.1		ug/Kg		96	59 - 125
1,2-Dichlorobenzene	49.1	48.6		ug/Kg		99	75 - 120
1,2-Dichloroethane	49.1	43.8		ug/Kg		89	77 - 122
Benzene	49.1	49.1		ug/Kg		100	79 - 127
Chlorobenzene	49.1	48.2		ug/Kg		98	76 - 124
cis-1,2-Dichloroethene	49.1	47.1		ug/Kg		96	81 - 117
Ethylbenzene	49.1	49.9		ug/Kg		102	80 - 120
Methyl tert-butyl ether	49.1	47.0		ug/Kg		96	63 - 125
Tetrachloroethene	49.1	47.4		ug/Kg		97	74 - 122
Toluene	49.1	48.8		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	49.1	47.0		ug/Kg		96	78 - 126
Trichloroethene	49.1	47.5		ug/Kg		97	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Dibromofluoromethane (Surr)	93		60 - 140

Lab Sample ID: MB 480-228662/2-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,1-Dichloroethane	ND		100	31	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,1-Dichloroethene	ND		100	34	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2-Dichlorobenzene	ND		100	25	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2-Dichloroethane	ND		100	41	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2-Dichloropropane	ND		100	16	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		02/27/15 22:33	03/03/15 17:44	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-228662/2-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	300	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
2-Hexanone	ND		500	200	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Acetone	ND		500	410	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Benzene	ND		100	19	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Bromodichloromethane	ND		100	20	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Bromoform	ND		100	50	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Bromomethane	ND		100	22	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Carbon disulfide	ND		100	45	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Carbon tetrachloride	ND		100	25	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Chlorobenzene	ND		100	13	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Dibromochloromethane	ND		100	48	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Chloroethane	ND		100	21	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Chloroform	ND		100	68	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Chloromethane	ND		100	24	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
cis-1,2-Dichloroethene	ND		100	27	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Cyclohexane	ND		100	22	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Dichlorodifluoromethane	ND		100	43	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Ethylbenzene	ND		100	29	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
1,2-Dibromoethane	ND		100	17	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Isopropylbenzene	ND		100	15	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Methyl acetate	ND		100	47	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Methylcyclohexane	ND		100	47	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Methylene Chloride	89.3	J	100	20	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Styrene	ND		100	24	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Tetrachloroethene	ND		100	13	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Toluene	ND		100	27	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Trichloroethene	ND		100	28	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Trichlorofluoromethane	ND		100	47	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Vinyl chloride	ND		100	33	ug/Kg		02/27/15 22:33	03/03/15 17:44	1
Xylenes, Total	ND		200	55	ug/Kg		02/27/15 22:33	03/03/15 17:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	124		50 - 149	02/27/15 22:33	03/03/15 17:44	1
1,2-Dichloroethane-d4 (Surr)	140		53 - 146	02/27/15 22:33	03/03/15 17:44	1
4-Bromofluorobenzene (Surr)	124		49 - 148	02/27/15 22:33	03/03/15 17:44	1
Dibromofluoromethane (Surr)	130		60 - 140	02/27/15 22:33	03/03/15 17:44	1

Lab Sample ID: LCS 480-228662/1-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2450	2430		ug/Kg		99	78 - 121

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-228662/1-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	2450	2360		ug/Kg		96	48 - 133
1,2-Dichlorobenzene	2450	2390		ug/Kg		97	78 - 125
1,2-Dichloroethane	2450	2620		ug/Kg		107	74 - 127
Benzene	2450	2350		ug/Kg		96	77 - 125
Chlorobenzene	2450	2150		ug/Kg		88	76 - 126
cis-1,2-Dichloroethene	2450	2420		ug/Kg		99	79 - 124
Ethylbenzene	2450	2300		ug/Kg		94	78 - 124
Methyl tert-butyl ether	2450	2500		ug/Kg		102	67 - 137
Tetrachloroethene	2450	2300		ug/Kg		94	73 - 133
Toluene	2450	2310		ug/Kg		94	75 - 124
trans-1,2-Dichloroethene	2450	2340		ug/Kg		95	74 - 129
Trichloroethene	2450	2430		ug/Kg		99	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	130		50 - 149
1,2-Dichloroethane-d4 (Surr)	148	X	53 - 146
4-Bromofluorobenzene (Surr)	129		49 - 148
Dibromofluoromethane (Surr)	138		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-228672/1-A

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Aldrin	ND		1.6	0.40	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
alpha-BHC	ND		1.6	0.29	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
beta-BHC	ND		1.6	0.29	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Chlordane (technical)	ND		16	3.6	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
delta-BHC	0.405	J	1.6	0.30	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Dieldrin	ND		1.6	0.39	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Endosulfan I	ND		1.6	0.31	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Endosulfan II	ND		1.6	0.29	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Endrin	ND		1.6	0.32	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
gamma-BHC (Lindane)	0.332	J	1.6	0.30	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Heptachlor	ND		1.6	0.35	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		02/28/15 07:48	03/02/15 08:23	1
Toxaphene	ND		16	9.5	ug/Kg		02/28/15 07:48	03/02/15 08:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		32 - 136	02/28/15 07:48	03/02/15 08:23	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

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

Lab Sample ID: MB 480-228672/1-A

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228672

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		30 - 124	02/28/15 07:48	03/02/15 08:23	1

Lab Sample ID: LCS 480-228672/2-A

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	16.5		ug/Kg		100	52 - 138
4,4'-DDE	16.5	14.4		ug/Kg		88	52 - 131
4,4'-DDT	16.5	14.3		ug/Kg		87	50 - 131
Aldrin	16.5	13.5		ug/Kg		82	35 - 120
alpha-BHC	16.5	13.1		ug/Kg		79	49 - 120
beta-BHC	16.5	12.2		ug/Kg		74	52 - 127
delta-BHC	16.5	13.7		ug/Kg		83	45 - 123
Dieldrin	16.5	15.2		ug/Kg		92	50 - 131
Endosulfan I	16.5	13.8		ug/Kg		84	43 - 121
Endosulfan II	16.5	14.9		ug/Kg		91	48 - 134
Endosulfan sulfate	16.5	16.0		ug/Kg		97	46 - 144
Endrin	16.5	15.0		ug/Kg		91	46 - 134
Endrin aldehyde	16.5	14.8		ug/Kg		90	31 - 137
gamma-BHC (Lindane)	16.5	13.8		ug/Kg		84	50 - 120
Heptachlor	16.5	13.8		ug/Kg		84	51 - 121
Heptachlor epoxide	16.5	14.8		ug/Kg		90	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	96		32 - 136
Tetrachloro-m-xylene	77		30 - 124

Lab Sample ID: 480-75971-1 MS

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: SO-85121-022715-SM-005

Prep Type: Total/NA

Prep Batch: 228672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		20.5	18.4		ug/Kg	☼	90	26 - 162
4,4'-DDE	ND		20.5	17.3		ug/Kg	☼	84	34 - 138
4,4'-DDT	ND		20.5	16.3		ug/Kg	☼	80	43 - 131
Aldrin	ND		20.5	18.2		ug/Kg	☼	89	37 - 125
alpha-BHC	2.2		20.5	17.6		ug/Kg	☼	75	39 - 117
beta-BHC	2.3		20.5	17.7		ug/Kg	☼	75	36 - 139
delta-BHC	0.52	J B	20.5	16.6		ug/Kg	☼	78	23 - 132
Dieldrin	ND		20.5	17.1		ug/Kg	☼	84	38 - 135
Endosulfan I	ND		20.5	15.5		ug/Kg	☼	75	39 - 128
Endosulfan II	ND		20.5	16.8		ug/Kg	☼	82	24 - 134
Endosulfan sulfate	ND		20.5	18.5		ug/Kg	☼	90	19 - 137
Endrin	ND		20.5	17.4		ug/Kg	☼	85	41 - 147
Endrin aldehyde	ND		20.5	16.7		ug/Kg	☼	81	20 - 120
gamma-BHC (Lindane)	0.73	J B	20.5	16.6		ug/Kg	☼	77	50 - 120
Heptachlor	ND		20.5	20.1		ug/Kg	☼	98	42 - 128

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

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

Lab Sample ID: 480-75971-1 MS

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: SO-85121-022715-SM-005

Prep Type: Total/NA

Prep Batch: 228672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	ND		20.5	17.0		ug/Kg	✱	83	26 - 141
Surrogate	%Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	99		32 - 136						
Tetrachloro-m-xylene	66		30 - 124						

Lab Sample ID: 480-75971-1 MSD

Matrix: Solid

Analysis Batch: 228757

Client Sample ID: SO-85121-022715-SM-005

Prep Type: Total/NA

Prep Batch: 228672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		20.8	18.5		ug/Kg	✱	89	26 - 162	0	21
4,4'-DDE	ND		20.8	16.6		ug/Kg	✱	80	34 - 138	5	18
4,4'-DDT	ND		20.8	16.8		ug/Kg	✱	81	43 - 131	3	25
Aldrin	ND		20.8	17.9		ug/Kg	✱	86	37 - 125	2	12
alpha-BHC	2.2		20.8	15.4		ug/Kg	✱	63	39 - 117	14	15
beta-BHC	2.3		20.8	14.6		ug/Kg	✱	59	36 - 139	19	19
delta-BHC	0.52	J B	20.8	16.2		ug/Kg	✱	76	23 - 132	2	14
Dieldrin	ND		20.8	17.5		ug/Kg	✱	84	38 - 135	2	12
Endosulfan I	ND		20.8	15.8		ug/Kg	✱	76	39 - 128	2	18
Endosulfan II	ND		20.8	17.0		ug/Kg	✱	82	24 - 134	1	26
Endosulfan sulfate	ND		20.8	18.7		ug/Kg	✱	90	19 - 137	1	35
Endrin	ND		20.8	17.6		ug/Kg	✱	85	41 - 147	1	20
Endrin aldehyde	ND		20.8	16.4		ug/Kg	✱	79	20 - 120	2	47
gamma-BHC (Lindane)	0.73	J B	20.8	16.2		ug/Kg	✱	74	50 - 120	2	12
Heptachlor	ND		20.8	16.9		ug/Kg	✱	82	42 - 128	17	22
Heptachlor epoxide	ND		20.8	17.1		ug/Kg	✱	83	26 - 141	1	15
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	96		32 - 136								
Tetrachloro-m-xylene	64		30 - 124								

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

GC/MS VOA

Prep Batch: 228660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1	SO-85121-022715-SM-005	Total/NA	Solid	5035A	
480-75971-2	SO-85121-022715-SM-006	Total/NA	Solid	5035A	
LCS 480-228660/8-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-228660/2-A	Method Blank	Total/NA	Solid	5035A	

Prep Batch: 228662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1 - DL	SO-85121-022715-SM-005	Total/NA	Solid	5035A	
LCS 480-228662/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-228662/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 228735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1	SO-85121-022715-SM-005	Total/NA	Solid	8260C	228660
480-75971-2	SO-85121-022715-SM-006	Total/NA	Solid	8260C	228660
LCS 480-228660/8-A	Lab Control Sample	Total/NA	Solid	8260C	228660
MB 480-228660/2-A	Method Blank	Total/NA	Solid	8260C	228660

Analysis Batch: 228933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-228662/1-A	Lab Control Sample	Total/NA	Solid	8260C	228662
MB 480-228662/2-A	Method Blank	Total/NA	Solid	8260C	228662

Analysis Batch: 229120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1 - DL	SO-85121-022715-SM-005	Total/NA	Solid	8260C	228662

GC Semi VOA

Prep Batch: 228672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1	SO-85121-022715-SM-005	Total/NA	Solid	3550C	
480-75971-1 MS	SO-85121-022715-SM-005	Total/NA	Solid	3550C	
480-75971-1 MSD	SO-85121-022715-SM-005	Total/NA	Solid	3550C	
480-75971-2	SO-85121-022715-SM-006	Total/NA	Solid	3550C	
LCS 480-228672/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-228672/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 228757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1	SO-85121-022715-SM-005	Total/NA	Solid	8081B	228672
480-75971-1 MS	SO-85121-022715-SM-005	Total/NA	Solid	8081B	228672
480-75971-1 MSD	SO-85121-022715-SM-005	Total/NA	Solid	8081B	228672
480-75971-2	SO-85121-022715-SM-006	Total/NA	Solid	8081B	228672
LCS 480-228672/2-A	Lab Control Sample	Total/NA	Solid	8081B	228672
MB 480-228672/1-A	Method Blank	Total/NA	Solid	8081B	228672

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

General Chemistry

Analysis Batch: 228711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-75971-1	SO-85121-022715-SM-005	Total/NA	Solid	Moisture	
480-75971-2	SO-85121-022715-SM-006	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Client Sample ID: SO-85121-022715-SM-005

Date Collected: 02/27/15 14:00

Date Received: 02/27/15 16:10

Lab Sample ID: 480-75971-1

Matrix: Solid

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A	DL		228662	02/27/15 22:33	NMD1	TAL BUF
Total/NA	Analysis	8260C	DL	1	229120	03/04/15 21:08	LJF	TAL BUF
Total/NA	Prep	5035A			228660	02/27/15 22:20	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	228735	03/02/15 02:47	LCH	TAL BUF
Total/NA	Prep	3550C			228672	02/28/15 07:48	JLS	TAL BUF
Total/NA	Analysis	8081B		1	228757	03/02/15 09:33	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	228711	02/28/15 12:41	CW	TAL BUF

Client Sample ID: SO-85121-022715-SM-006

Date Collected: 02/27/15 14:20

Date Received: 02/27/15 16:10

Lab Sample ID: 480-75971-2

Matrix: Solid

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			228660	02/27/15 22:20	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	228735	03/02/15 03:13	LCH	TAL BUF
Total/NA	Prep	3550C			228672	02/28/15 07:48	JLS	TAL BUF
Total/NA	Analysis	8081B		10	228757	03/02/15 09:51	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	228711	02/28/15 12:41	CW	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-75971-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-75971-1	SO-85121-022715-SM-005	Solid	02/27/15 14:00	02/27/15 16:10
480-75971-2	SO-85121-022715-SM-006	Solid	02/27/15 14:20	02/27/15 16:10



**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN OF CUSTODY RECORD

Address: 10 Hazelwood Dr. Amherst, NY
Phone: 504-9874 Fax: _____



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uctions)

Project No/Phase/Task Code: <u>85121-041101-403</u>		Laboratory Name: <u>Test America</u>		Lab Location: <u>Amherst, NY</u>		Cooler No: <u>2100</u>	
Project Name: <u>Nash Rd. Landfill</u>		Lab Contact: <u>Melissa Deyo</u>		Lab Quote No: <u>117</u>		Carrier: <u>2100</u>	
Project Location: <u>Whesut Field, NY</u>		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: <u>Paul McMahon</u>		Matrix Code		Unpreserved		MS/MSD Request	
Sampler(s): <u>S. McEvoy</u>		DATE (mm/dd/yy)		Grab (g) or Comp (c)		Total Containers/Sample	
Item		TIME (hh:mm)		Hydrochloric Acid (HCl)		Nitric Acid (HNO ₃)	
1		2/27/15 1400		✓		Sulfuric Acid (H ₂ SO ₄)	
2		2/27/15 1420		✓		Sodium Hydroxide	
3						Methanol/Water (Soil)	
4						EnCores 3x5-g, 1x25-g	
5						Other:	
6						Total Containers/Sample	
7						4	
8						4	
9						4	
10						4	
11						4	
12						4	
13						4	
14						4	
15						4	
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Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-75971-1

Login Number: 75971

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	cra
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-76015-1

Client Project/Site: 85121DM, Nash Road Landfill Site

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

3/5/2015 4:57:54 PM

Rebecca Jones, Project Management Assistant I

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Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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results through

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www.testamericainc.com

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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Job ID: 480-76015-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-76015-1

Receipt

The samples were received on 3/2/2015 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method(s) 8260C: The following sample was analyzed and diluted using medium level soil techniques to bring the concentration of target analytes within the calibration range: SO-85121-030215-SM-008 (480-76015-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed and diluted using medium level soil techniques to bring the concentration of target analytes within the calibration range: SO-85121-030215-SM-007 (480-76015-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The continuing calibration verification (CCV) (CCV 480-229082/10) for Chlordane was decreased and exceeded control criteria of 20%D, though all associated samples did not show any potential pattern. The data has been reported.

Method(s) 8081B: The following sample(s) were diluted due to the nature of the sample matrix: SO-85121-030215-SM-007 (480-76015-1), SO-85121-030215-SM-008 (480-76015-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: (480-76015-1 MS), (480-76015-1 MSD). As such, surrogate and spike recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 228998.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-007

Lab Sample ID: 480-76015-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	1200		770	290	ug/Kg	5	✱	8260C	Total/NA
1,2-Dichlorobenzene	960		770	200	ug/Kg	5	✱	8260C	Total/NA
1,4-Dichlorobenzene	3000		770	110	ug/Kg	5	✱	8260C	Total/NA
Benzene	8100		770	150	ug/Kg	5	✱	8260C	Total/NA
Chlorobenzene	2700		770	100	ug/Kg	5	✱	8260C	Total/NA
Cyclohexane	1000		770	170	ug/Kg	5	✱	8260C	Total/NA
Methylcyclohexane	680	J	770	360	ug/Kg	5	✱	8260C	Total/NA
Methylene Chloride	490	J B	770	150	ug/Kg	5	✱	8260C	Total/NA
Toluene	44000		770	210	ug/Kg	5	✱	8260C	Total/NA
alpha-BHC	160	B	46	8.3	ug/Kg	20	✱	8081B	Total/NA
beta-BHC	50	B	46	8.3	ug/Kg	20	✱	8081B	Total/NA
gamma-BHC (Lindane)	26	J	46	8.5	ug/Kg	20	✱	8081B	Total/NA

Client Sample ID: SO-85121-030215-SM-008

Lab Sample ID: 480-76015-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	91000		13000	5100	ug/Kg	100	✱	8260C	Total/NA
1,2-Dichlorobenzene	28000		13000	3400	ug/Kg	100	✱	8260C	Total/NA
1,4-Dichlorobenzene	85000		13000	1900	ug/Kg	100	✱	8260C	Total/NA
Benzene	110000		13000	2500	ug/Kg	100	✱	8260C	Total/NA
Chlorobenzene	77000		13000	1800	ug/Kg	100	✱	8260C	Total/NA
Cyclohexane	17000		13000	3000	ug/Kg	100	✱	8260C	Total/NA
Methylcyclohexane	21000		13000	6300	ug/Kg	100	✱	8260C	Total/NA
Methylene Chloride	15000	B	13000	2600	ug/Kg	100	✱	8260C	Total/NA
Toluene	1100000		13000	3600	ug/Kg	100	✱	8260C	Total/NA
4,4'-DDD	13000		11000	2100	ug/Kg	5000	✱	8081B	Total/NA
4,4'-DDE	49000		11000	2200	ug/Kg	5000	✱	8081B	Total/NA
4,4'-DDT	5900	J	11000	2500	ug/Kg	5000	✱	8081B	Total/NA
Aldrin	66000		11000	2600	ug/Kg	5000	✱	8081B	Total/NA
alpha-BHC	140000	B	11000	1900	ug/Kg	5000	✱	8081B	Total/NA
beta-BHC	50000	B	11000	1900	ug/Kg	5000	✱	8081B	Total/NA
delta-BHC	180000		11000	2000	ug/Kg	5000	✱	8081B	Total/NA
Dieldrin	5800	J	11000	2600	ug/Kg	5000	✱	8081B	Total/NA
Endosulfan I	9100	J	11000	2100	ug/Kg	5000	✱	8081B	Total/NA
Endosulfan II	12000		11000	1900	ug/Kg	5000	✱	8081B	Total/NA
Endosulfan sulfate	21000		11000	2000	ug/Kg	5000	✱	8081B	Total/NA
Endrin	16000		11000	2100	ug/Kg	5000	✱	8081B	Total/NA
Endrin aldehyde	4800	J	11000	2700	ug/Kg	5000	✱	8081B	Total/NA
gamma-BHC (Lindane)	54000		11000	2000	ug/Kg	5000	✱	8081B	Total/NA
Heptachlor	6500	J	11000	2300	ug/Kg	5000	✱	8081B	Total/NA
Heptachlor epoxide	2900	J	11000	2800	ug/Kg	5000	✱	8081B	Total/NA

Client Sample ID: TB-85121-030215

Lab Sample ID: 480-76015-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.4		1.0	0.44	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-007

Lab Sample ID: 480-76015-1

Date Collected: 03/02/15 14:30

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 71.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		770	210	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,1,2,2-Tetrachloroethane	ND		770	130	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,1,2-Trichloroethane	ND		770	160	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		770	390	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,1-Dichloroethane	ND		770	240	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,1-Dichloroethene	ND		770	270	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2,4-Trichlorobenzene	1200		770	290	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2-Dibromo-3-Chloropropane	ND		770	390	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2-Dichlorobenzene	960		770	200	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2-Dichloroethane	ND		770	320	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2-Dichloropropane	ND		770	130	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,3-Dichlorobenzene	ND		770	210	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,4-Dichlorobenzene	3000		770	110	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
2-Butanone (MEK)	ND		3900	2300	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
2-Hexanone	ND		3900	1600	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
4-Methyl-2-pentanone (MIBK)	ND		3900	250	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Acetone	ND		3900	3200	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Benzene	8100		770	150	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Bromodichloromethane	ND		770	150	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Bromoform	ND		770	390	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Bromomethane	ND		770	170	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Carbon disulfide	ND		770	350	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Carbon tetrachloride	ND		770	200	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Chlorobenzene	2700		770	100	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Dibromochloromethane	ND		770	370	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Chloroethane	ND		770	160	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Chloroform	ND		770	530	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Chloromethane	ND		770	180	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
cis-1,2-Dichloroethene	ND		770	210	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
cis-1,3-Dichloropropene	ND		770	180	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Cyclohexane	1000		770	170	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Dichlorodifluoromethane	ND		770	340	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Ethylbenzene	ND		770	220	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
1,2-Dibromoethane	ND		770	140	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Isopropylbenzene	ND		770	120	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Methyl acetate	ND		770	370	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Methyl tert-butyl ether	ND		770	290	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Methylcyclohexane	680 J		770	360	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Methylene Chloride	490 J B		770	150	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Styrene	ND		770	190	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Tetrachloroethene	ND		770	100	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Toluene	44000		770	210	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
trans-1,2-Dichloroethene	ND		770	180	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
trans-1,3-Dichloropropene	ND		770	76	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Trichloroethene	ND		770	210	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Trichlorofluoromethane	ND		770	360	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Vinyl chloride	ND		770	260	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5
Xylenes, Total	ND		1500	430	ug/Kg	☼	03/03/15 10:09	03/04/15 13:36	5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-007

Lab Sample ID: 480-76015-1

Date Collected: 03/02/15 14:30

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 71.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 149	03/03/15 10:09	03/04/15 13:36	5
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	03/03/15 10:09	03/04/15 13:36	5
4-Bromofluorobenzene (Surr)	99		49 - 148	03/03/15 10:09	03/04/15 13:36	5
Dibromofluoromethane (Surr)	98		60 - 140	03/03/15 10:09	03/04/15 13:36	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		46	9.0	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
4,4'-DDE	ND		46	9.7	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
4,4'-DDT	ND		46	11	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Aldrin	ND		46	11	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
alpha-BHC	160	B	46	8.3	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
beta-BHC	50	B	46	8.3	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Chlordane (technical)	ND		460	100	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
delta-BHC	ND		46	8.6	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Dieldrin	ND		46	11	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Endosulfan I	ND		46	8.9	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Endosulfan II	ND		46	8.3	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Endosulfan sulfate	ND		46	8.6	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Endrin	ND		46	9.2	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Endrin aldehyde	ND		46	12	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
gamma-BHC (Lindane)	26	J	46	8.5	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Heptachlor	ND		46	10	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Heptachlor epoxide	ND		46	12	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20
Toxaphene	ND		460	270	ug/Kg	☼	03/03/15 14:19	03/04/15 12:24	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	03/03/15 14:19	03/04/15 12:24	20
Tetrachloro-m-xylene	130	X	30 - 124	03/03/15 14:19	03/04/15 12:24	20

Client Sample ID: SO-85121-030215-SM-008

Lab Sample ID: 480-76015-2

Date Collected: 03/02/15 14:45

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 76.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		13000	3700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,1,2,2-Tetrachloroethane	ND		13000	2200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,1,2-Trichloroethane	ND		13000	2800	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13000	6700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,1-Dichloroethane	ND		13000	4100	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,1-Dichloroethene	ND		13000	4600	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2,4-Trichlorobenzene	91000		13000	5100	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2-Dibromo-3-Chloropropane	ND		13000	6700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2-Dichlorobenzene	28000		13000	3400	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2-Dichloroethane	ND		13000	5500	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2-Dichloropropane	ND		13000	2200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,3-Dichlorobenzene	ND		13000	3600	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,4-Dichlorobenzene	85000		13000	1900	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
2-Butanone (MEK)	ND		67000	40000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
2-Hexanone	ND		67000	27000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-008

Lab Sample ID: 480-76015-2

Date Collected: 03/02/15 14:45

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 76.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		67000	4300	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Acetone	ND		67000	55000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Benzene	110000		13000	2500	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Bromodichloromethane	ND		13000	2700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Bromoform	ND		13000	6700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Bromomethane	ND		13000	2900	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Carbon disulfide	ND		13000	6100	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Carbon tetrachloride	ND		13000	3400	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Chlorobenzene	77000		13000	1800	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Dibromochloromethane	ND		13000	6500	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Chloroethane	ND		13000	2800	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Chloroform	ND		13000	9200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Chloromethane	ND		13000	3200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
cis-1,2-Dichloroethene	ND		13000	3700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
cis-1,3-Dichloropropene	ND		13000	3200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Cyclohexane	17000		13000	3000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Dichlorodifluoromethane	ND		13000	5800	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Ethylbenzene	ND		13000	3900	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
1,2-Dibromoethane	ND		13000	2300	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Isopropylbenzene	ND		13000	2000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Methyl acetate	ND		13000	6400	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Methyl tert-butyl ether	ND		13000	5000	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Methylcyclohexane	21000		13000	6300	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Methylene Chloride	15000 B		13000	2600	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Styrene	ND		13000	3200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Tetrachloroethene	ND		13000	1800	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Toluene	1100000		13000	3600	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
trans-1,2-Dichloroethene	ND		13000	3200	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
trans-1,3-Dichloropropene	ND		13000	1300	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Trichloroethene	ND		13000	3700	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Trichlorofluoromethane	ND		13000	6300	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Vinyl chloride	ND		13000	4500	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100
Xylenes, Total	ND		27000	7400	ug/Kg	☼	03/03/15 10:13	03/03/15 20:32	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		50 - 149	03/03/15 10:13	03/03/15 20:32	100
1,2-Dichloroethane-d4 (Surr)	123		53 - 146	03/03/15 10:13	03/03/15 20:32	100
4-Bromofluorobenzene (Surr)	103		49 - 148	03/03/15 10:13	03/03/15 20:32	100
Dibromofluoromethane (Surr)	116		60 - 140	03/03/15 10:13	03/03/15 20:32	100

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	13000		11000	2100	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
4,4'-DDE	49000		11000	2200	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
4,4'-DDT	5900 J		11000	2500	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Aldrin	66000		11000	2600	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
alpha-BHC	140000 B		11000	1900	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
beta-BHC	50000 B		11000	1900	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Chlordane (technical)	ND		110000	24000	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
delta-BHC	180000		11000	2000	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-008

Lab Sample ID: 480-76015-2

Date Collected: 03/02/15 14:45

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	5800	J	11000	2600	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Endosulfan I	9100	J	11000	2100	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Endosulfan II	12000		11000	1900	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Endosulfan sulfate	21000		11000	2000	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Endrin	16000		11000	2100	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Endrin aldehyde	4800	J	11000	2700	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
gamma-BHC (Lindane)	54000		11000	2000	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Heptachlor	6500	J	11000	2300	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Heptachlor epoxide	2900	J	11000	2800	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Toxaphene	ND		110000	62000	ug/Kg	☼	03/03/15 14:19	03/04/15 12:42	5000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106938	X	32 - 136				03/03/15 14:19	03/04/15 12:42	5000
Tetrachloro-m-xylene	97532	X	30 - 124				03/03/15 14:19	03/04/15 12:42	5000

Client Sample ID: TB-85121-030215

Lab Sample ID: 480-76015-3

Date Collected: 03/02/15 00:00

Matrix: Water

Date Received: 03/02/15 16:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/04/15 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/04/15 13:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/04/15 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/04/15 13:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/04/15 13:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/04/15 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/04/15 13:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/04/15 13:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/04/15 13:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/04/15 13:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/04/15 13:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/04/15 13:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/04/15 13:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/04/15 13:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/04/15 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/04/15 13:08	1
Acetone	ND		10	3.0	ug/L			03/04/15 13:08	1
Benzene	ND		1.0	0.41	ug/L			03/04/15 13:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/04/15 13:08	1
Bromoform	ND		1.0	0.26	ug/L			03/04/15 13:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/04/15 13:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/04/15 13:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/04/15 13:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/04/15 13:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/04/15 13:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/04/15 13:08	1
Chloroform	ND		1.0	0.34	ug/L			03/04/15 13:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/04/15 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/04/15 13:08	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: TB-85121-030215

Lab Sample ID: 480-76015-3

Date Collected: 03/02/15 00:00

Matrix: Water

Date Received: 03/02/15 16:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/04/15 13:08	1
Cyclohexane	ND		1.0	0.18	ug/L			03/04/15 13:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/04/15 13:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/04/15 13:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/04/15 13:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/04/15 13:08	1
Methyl acetate	ND		2.5	0.50	ug/L			03/04/15 13:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/04/15 13:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/04/15 13:08	1
Methylene Chloride	2.4		1.0	0.44	ug/L			03/04/15 13:08	1
Styrene	ND		1.0	0.73	ug/L			03/04/15 13:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/04/15 13:08	1
Toluene	ND		1.0	0.51	ug/L			03/04/15 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/04/15 13:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/04/15 13:08	1
Trichloroethene	ND		1.0	0.46	ug/L			03/04/15 13:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/04/15 13:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/04/15 13:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/04/15 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		03/04/15 13:08	1
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		03/04/15 13:08	1
4-Bromofluorobenzene (Surr)	97		73 - 120		03/04/15 13:08	1
Dibromofluoromethane (Surr)	104		60 - 140		03/04/15 13:08	1

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-76015-1	SO-85121-030215-SM-007	98	104	99	98
480-76015-2	SO-85121-030215-SM-008	109	123	103	116
LCS 480-228955/1-A	Lab Control Sample	91	109	92	97
MB 480-228955/2-A	Method Blank	95	107	93	95

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-126)	12DCE (66-137)	BFB (73-120)	DBFM (60-140)
480-76015-3	TB-85121-030215	97	109	97	104
LCS 480-229120/5	Lab Control Sample	94	101	91	101
MB 480-229120/8	Method Blank	97	109	95	103

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-76015-1	SO-85121-030215-SM-007	0 X	130 X
480-76015-1 MS	SO-85121-030215-SM-007	0 X	169 X
480-76015-1 MSD	SO-85121-030215-SM-007	0 X	3713 X
480-76015-2	SO-85121-030215-SM-008	106938 X	97532 X
LCS 480-228998/2-A	Lab Control Sample	90	72
MB 480-228998/1-A	Method Blank	92	70

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-228955/2-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		98	27	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,1,2,2-Tetrachloroethane	ND		98	16	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,1,2-Trichloroethane	ND		98	21	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,1-Dichloroethane	ND		98	30	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,1-Dichloroethene	ND		98	34	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2,4-Trichlorobenzene	ND		98	37	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2-Dibromo-3-Chloropropane	ND		98	49	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2-Dichlorobenzene	ND		98	25	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2-Dichloroethane	ND		98	40	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2-Dichloropropane	ND		98	16	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,3-Dichlorobenzene	ND		98	26	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,4-Dichlorobenzene	ND		98	14	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
2-Butanone (MEK)	ND		490	290	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
2-Hexanone	ND		490	200	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
4-Methyl-2-pentanone (MIBK)	ND		490	31	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Acetone	ND		490	400	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Benzene	ND		98	19	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Bromodichloromethane	ND		98	20	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Bromoform	ND		98	49	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Bromomethane	ND		98	22	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Carbon disulfide	ND		98	45	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Carbon tetrachloride	ND		98	25	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Chlorobenzene	ND		98	13	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Dibromochloromethane	ND		98	48	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Chloroethane	ND		98	20	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Chloroform	ND		98	68	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Chloromethane	ND		98	23	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
cis-1,2-Dichloroethene	ND		98	27	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
cis-1,3-Dichloropropene	ND		98	24	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Cyclohexane	ND		98	22	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Dichlorodifluoromethane	ND		98	43	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Ethylbenzene	ND		98	29	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
1,2-Dibromoethane	ND		98	17	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Isopropylbenzene	ND		98	15	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Methyl acetate	ND		98	47	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Methyl tert-butyl ether	ND		98	37	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Methylcyclohexane	ND		98	46	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Methylene Chloride	84.8	J	98	19	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Styrene	ND		98	24	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Tetrachloroethene	ND		98	13	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Toluene	ND		98	26	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
trans-1,2-Dichloroethene	ND		98	23	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
trans-1,3-Dichloropropene	ND		98	9.7	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Trichloroethene	ND		98	27	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Trichlorofluoromethane	ND		98	46	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Vinyl chloride	ND		98	33	ug/Kg		03/03/15 10:02	03/03/15 19:36	1
Xylenes, Total	ND		200	55	ug/Kg		03/03/15 10:02	03/03/15 19:36	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-228955/2-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228955

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		50 - 149	03/03/15 10:02	03/03/15 19:36	1
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	03/03/15 10:02	03/03/15 19:36	1
4-Bromofluorobenzene (Surr)	93		49 - 148	03/03/15 10:02	03/03/15 19:36	1
Dibromofluoromethane (Surr)	95		60 - 140	03/03/15 10:02	03/03/15 19:36	1

Lab Sample ID: LCS 480-228955/1-A

Matrix: Solid

Analysis Batch: 228933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2470	2440		ug/Kg		99	78 - 121
1,1-Dichloroethene	2470	2360		ug/Kg		96	48 - 133
1,2-Dichlorobenzene	2470	2370		ug/Kg		96	78 - 125
1,2-Dichloroethane	2470	2590		ug/Kg		105	74 - 127
Benzene	2470	2360		ug/Kg		96	77 - 125
Chlorobenzene	2470	2110		ug/Kg		86	76 - 126
cis-1,2-Dichloroethene	2470	2410		ug/Kg		98	79 - 124
Ethylbenzene	2470	2280		ug/Kg		93	78 - 124
Methyl tert-butyl ether	2470	2440		ug/Kg		99	67 - 137
Tetrachloroethene	2470	2300		ug/Kg		93	73 - 133
Toluene	2470	2240		ug/Kg		91	75 - 124
trans-1,2-Dichloroethene	2470	2260		ug/Kg		91	74 - 129
Trichloroethene	2470	2470		ug/Kg		100	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		50 - 149
1,2-Dichloroethane-d4 (Surr)	109		53 - 146
4-Bromofluorobenzene (Surr)	92		49 - 148
Dibromofluoromethane (Surr)	97		60 - 140

Lab Sample ID: MB 480-229120/8

Matrix: Water

Analysis Batch: 229120

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/04/15 12:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/04/15 12:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/04/15 12:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/04/15 12:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/04/15 12:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/04/15 12:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/04/15 12:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/04/15 12:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/04/15 12:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/04/15 12:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/04/15 12:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/04/15 12:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/04/15 12:20	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-229120/8

Matrix: Water

Analysis Batch: 229120

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			03/04/15 12:20	1
2-Hexanone	ND		5.0	1.2	ug/L			03/04/15 12:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/04/15 12:20	1
Acetone	ND		10	3.0	ug/L			03/04/15 12:20	1
Benzene	ND		1.0	0.41	ug/L			03/04/15 12:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/04/15 12:20	1
Bromoform	ND		1.0	0.26	ug/L			03/04/15 12:20	1
Bromomethane	ND		1.0	0.69	ug/L			03/04/15 12:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/04/15 12:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/04/15 12:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/04/15 12:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/04/15 12:20	1
Chloroethane	ND		1.0	0.32	ug/L			03/04/15 12:20	1
Chloroform	ND		1.0	0.34	ug/L			03/04/15 12:20	1
Chloromethane	ND		1.0	0.35	ug/L			03/04/15 12:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/04/15 12:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/04/15 12:20	1
Cyclohexane	ND		1.0	0.18	ug/L			03/04/15 12:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/04/15 12:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/04/15 12:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/04/15 12:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/04/15 12:20	1
Methyl acetate	ND		2.5	0.50	ug/L			03/04/15 12:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/04/15 12:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/04/15 12:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/04/15 12:20	1
Styrene	ND		1.0	0.73	ug/L			03/04/15 12:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/04/15 12:20	1
Toluene	ND		1.0	0.51	ug/L			03/04/15 12:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/04/15 12:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/04/15 12:20	1
Trichloroethene	ND		1.0	0.46	ug/L			03/04/15 12:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/04/15 12:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/04/15 12:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/04/15 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		03/04/15 12:20	1
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		03/04/15 12:20	1
4-Bromofluorobenzene (Surr)	95		73 - 120		03/04/15 12:20	1
Dibromofluoromethane (Surr)	103		60 - 140		03/04/15 12:20	1

Lab Sample ID: LCS 480-229120/5

Matrix: Water

Analysis Batch: 229120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.5		ug/L		98	71 - 129

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-229120/5

Matrix: Water

Analysis Batch: 229120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	23.6		ug/L		94	58 - 121
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 127
Benzene	25.0	23.5		ug/L		94	71 - 124
Chlorobenzene	25.0	21.3		ug/L		85	72 - 120
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123
Methyl tert-butyl ether	25.0	25.7		ug/L		103	64 - 127
Tetrachloroethene	25.0	21.6		ug/L		86	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
Trichloroethene	25.0	24.0		ug/L		96	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		71 - 126
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	101		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-228998/1-A

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Aldrin	ND		1.6	0.40	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
alpha-BHC	1.62		1.6	0.29	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
beta-BHC	0.626	J	1.6	0.29	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Chlordane (technical)	ND		16	3.6	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
delta-BHC	ND		1.6	0.30	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Dieldrin	ND		1.6	0.39	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Endosulfan I	ND		1.6	0.31	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Endosulfan II	ND		1.6	0.29	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Endrin	ND		1.6	0.32	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Heptachlor	ND		1.6	0.35	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		03/03/15 14:19	03/04/15 11:49	1
Toxaphene	ND		16	9.5	ug/Kg		03/03/15 14:19	03/04/15 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		32 - 136	03/03/15 14:19	03/04/15 11:49	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

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

Lab Sample ID: MB 480-228998/1-A

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 228998

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		30 - 124	03/03/15 14:19	03/04/15 11:49	1

Lab Sample ID: LCS 480-228998/2-A

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 228998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	14.3		ug/Kg		87	52 - 138
4,4'-DDE	16.4	13.4		ug/Kg		82	52 - 131
4,4'-DDT	16.4	13.1		ug/Kg		80	50 - 131
Aldrin	16.4	13.3		ug/Kg		81	35 - 120
alpha-BHC	16.4	14.9		ug/Kg		91	49 - 120
beta-BHC	16.4	12.3		ug/Kg		75	52 - 127
delta-BHC	16.4	13.6		ug/Kg		83	45 - 123
Dieldrin	16.4	13.2		ug/Kg		80	50 - 131
Endosulfan I	16.4	12.4		ug/Kg		76	43 - 121
Endosulfan II	16.4	13.9		ug/Kg		85	48 - 134
Endosulfan sulfate	16.4	13.5		ug/Kg		82	46 - 144
Endrin	16.4	13.6		ug/Kg		83	46 - 134
Endrin aldehyde	16.4	14.0		ug/Kg		85	31 - 137
gamma-BHC (Lindane)	16.4	11.9		ug/Kg		73	50 - 120
Heptachlor	16.4	14.0		ug/Kg		86	51 - 121
Heptachlor epoxide	16.4	12.9		ug/Kg		78	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	90		32 - 136
Tetrachloro-m-xylene	72		30 - 124

Lab Sample ID: 480-76015-1 MS

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: SO-85121-030215-SM-007

Prep Type: Total/NA

Prep Batch: 228998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		23.1	28.3	J	ug/Kg	☼	123	26 - 162
4,4'-DDE	ND		23.1	43.5	J F1	ug/Kg	☼	188	34 - 138
4,4'-DDT	ND		23.1	29.8	J	ug/Kg	☼	129	43 - 131
Aldrin	ND		23.1	127	F1	ug/Kg	☼	551	37 - 125
alpha-BHC	160	B	23.1	430	4	ug/Kg	☼	1186	39 - 117
beta-BHC	50	B	23.1	170	F1	ug/Kg	☼	519	36 - 139
delta-BHC	ND		23.1	22.0	J	ug/Kg	☼	95	23 - 132
Dieldrin	ND		23.1	26.1	J	ug/Kg	☼	113	38 - 135
Endosulfan I	ND		23.1	21.1	J	ug/Kg	☼	91	39 - 128
Endosulfan II	ND		23.1	32.3	J F1	ug/Kg	☼	140	24 - 134
Endosulfan sulfate	ND		23.1	22.4	J	ug/Kg	☼	97	19 - 137
Endrin	ND		23.1	ND	F1	ug/Kg	☼	0	41 - 147
Endrin aldehyde	ND		23.1	23.1	J	ug/Kg	☼	100	20 - 120
gamma-BHC (Lindane)	26	J	23.1	34.3	J F1	ug/Kg	☼	34	50 - 120
Heptachlor	ND		23.1	11.3	J	ug/Kg	☼	49	42 - 128

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

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

Lab Sample ID: 480-76015-1 MS

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: SO-85121-030215-SM-007

Prep Type: Total/NA

Prep Batch: 228998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	ND		23.1	ND	F1	ug/Kg	✱	0	26 - 141
Surrogate	%Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	0	X	32 - 136						
Tetrachloro-m-xylene	169	X	30 - 124						

Lab Sample ID: 480-76015-1 MSD

Matrix: Solid

Analysis Batch: 229082

Client Sample ID: SO-85121-030215-SM-007

Prep Type: Total/NA

Prep Batch: 228998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		23.0	13.4	J F2	ug/Kg	✱	58	26 - 162	72	21
4,4'-DDE	ND		23.0	12.9	J F2	ug/Kg	✱	56	34 - 138	109	18
4,4'-DDT	ND		23.0	29.2	J	ug/Kg	✱	127	43 - 131	2	25
Aldrin	ND		23.0	35.4	J F1 F2	ug/Kg	✱	154	37 - 125	113	12
alpha-BHC	160	B	23.0	170	4 F2	ug/Kg	✱	62	39 - 117	87	15
beta-BHC	50	B	23.0	80.3	F2	ug/Kg	✱	132	36 - 139	72	19
delta-BHC	ND		23.0	25.6	J F2	ug/Kg	✱	111	23 - 132	15	14
Dieldrin	ND		23.0	24.9	J	ug/Kg	✱	108	38 - 135	5	12
Endosulfan I	ND		23.0	22.9	J	ug/Kg	✱	99	39 - 128	8	18
Endosulfan II	ND		23.0	33.3	J F1	ug/Kg	✱	145	24 - 134	3	26
Endosulfan sulfate	ND		23.0	12.5	J F2	ug/Kg	✱	54	19 - 137	57	35
Endrin	ND		23.0	29.8	J	ug/Kg	✱	129	41 - 147	NC	20
Endrin aldehyde	ND		23.0	27.1	J	ug/Kg	✱	118	20 - 120	16	47
gamma-BHC (Lindane)	26	J	23.0	28.7	J F1 F2	ug/Kg	✱	10	50 - 120	18	12
Heptachlor	ND		23.0	49.3	F1 F2	ug/Kg	✱	214	42 - 128	125	22
Heptachlor epoxide	ND		23.0	27.2	J	ug/Kg	✱	118	26 - 141	NC	15
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	0	X	32 - 136								
Tetrachloro-m-xylene	3713	X	30 - 124								

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

GC/MS VOA

Analysis Batch: 228933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-2	SO-85121-030215-SM-008	Total/NA	Solid	8260C	228955
LCS 480-228955/1-A	Lab Control Sample	Total/NA	Solid	8260C	228955
MB 480-228955/2-A	Method Blank	Total/NA	Solid	8260C	228955

Prep Batch: 228955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-1	SO-85121-030215-SM-007	Total/NA	Solid	5035A	
480-76015-2	SO-85121-030215-SM-008	Total/NA	Solid	5035A	
LCS 480-228955/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-228955/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 229120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-1	SO-85121-030215-SM-007	Total/NA	Solid	8260C	228955
480-76015-3	TB-85121-030215	Total/NA	Water	8260C	
LCS 480-229120/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-229120/8	Method Blank	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 228998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-1	SO-85121-030215-SM-007	Total/NA	Solid	3550C	
480-76015-1 MS	SO-85121-030215-SM-007	Total/NA	Solid	3550C	
480-76015-1 MSD	SO-85121-030215-SM-007	Total/NA	Solid	3550C	
480-76015-2	SO-85121-030215-SM-008	Total/NA	Solid	3550C	
LCS 480-228998/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-228998/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 229082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-1	SO-85121-030215-SM-007	Total/NA	Solid	8081B	228998
480-76015-1 MS	SO-85121-030215-SM-007	Total/NA	Solid	8081B	228998
480-76015-1 MSD	SO-85121-030215-SM-007	Total/NA	Solid	8081B	228998
480-76015-2	SO-85121-030215-SM-008	Total/NA	Solid	8081B	228998
LCS 480-228998/2-A	Lab Control Sample	Total/NA	Solid	8081B	228998
MB 480-228998/1-A	Method Blank	Total/NA	Solid	8081B	228998

General Chemistry

Analysis Batch: 228879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76015-1	SO-85121-030215-SM-007	Total/NA	Solid	Moisture	
480-76015-2	SO-85121-030215-SM-008	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Client Sample ID: SO-85121-030215-SM-007

Lab Sample ID: 480-76015-1

Date Collected: 03/02/15 14:30

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 71.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			228955	03/03/15 10:09	LCH	TAL BUF
Total/NA	Analysis	8260C		5	229120	03/04/15 13:36	LJF	TAL BUF
Total/NA	Prep	3550C			228998	03/03/15 14:19	GVF	TAL BUF
Total/NA	Analysis	8081B		20	229082	03/04/15 12:24	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	228879	03/03/15 02:47	CSW	TAL BUF

Client Sample ID: SO-85121-030215-SM-008

Lab Sample ID: 480-76015-2

Date Collected: 03/02/15 14:45

Matrix: Solid

Date Received: 03/02/15 16:40

Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			228955	03/03/15 10:13	LCH	TAL BUF
Total/NA	Analysis	8260C		100	228933	03/03/15 20:32	LJF	TAL BUF
Total/NA	Prep	3550C			228998	03/03/15 14:19	GVF	TAL BUF
Total/NA	Analysis	8081B		5000	229082	03/04/15 12:42	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	228879	03/03/15 02:47	CSW	TAL BUF

Client Sample ID: TB-85121-030215

Lab Sample ID: 480-76015-3

Date Collected: 03/02/15 00:00

Matrix: Water

Date Received: 03/02/15 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	229120	03/04/15 13:08	LJF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76015-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-76015-1	SO-85121-030215-SM-007	Solid	03/02/15 14:30	03/02/15 16:40
480-76015-2	SO-85121-030215-SM-008	Solid	03/02/15 14:45	03/02/15 16:40
480-76015-3	TB-85121-030215	Water	03/02/15 00:00	03/02/15 16:40



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECC

Address: _____

Phone: _____ Fax: _____



48108

PAGE ____ OF ____

Side for Instructions)

480-76015 Chain of Custody

Project No/ Phase/Task Code: 55121-041101-403			Laboratory Name: Test America			Lab Location: Amherst, NY			D: ENV204-402-003			
Project Name: Nash Rd. Landfill			Lab Contact: Melissa Deyo			Lab Quote No:			Cooler No: -2100			
Project Location: Wheatfield, NY			Chemistry Contact: Paul McMahon			Carrier:			Airbill No:			
Sampler(s): Shawn McEvoy			SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yyyy)			TIME (hh:mm)			
SAMPLE TYPE			CONTAINER QUANTITY & PRESERVATION			ANALYSIS REQUESTED (See Back of COC for Definitions)			MS/MSD Request			
Matrix Code			Grab (G) or Comp (C)			Unpreserved			Hydrochloric Acid (HCl)			
			Nitric Acid (HNO ₃)			Sulfuric Acid (H ₂ SO ₄)			Sodium Hydroxide (NaOH)			
			Methanol/Water (Soil VOC)			EnCores 3x5-g, 1x25-g			Other:			
			Total Containers/Sample									
1	50-55121-030215-SM-007	3/2/15	1430	50 G	✓						PPL Destrodes	
2	50-55121-030215-SM-008	3/2/15	1445	50 G	✓						PPL VCS	
3	TD-55121-030215	3/2/15		W							SW SC035	
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
TAT Required in business days (use separate COCs for different TATs):			Total Number of Containers: 8			Notes/ Special Requirements:						
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:			All Samples in Cooler must be on COC									
RELINQUISHED BY			DATE			RECEIVED BY			DATE			
CRA			3/2/15			CRA			3/2/15			
CRA			3/2/15			CRA			3/2/15			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10B (20110804)

1

14

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4

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2

1

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-76015-1

Login Number: 76015

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	cra
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-76561-1

Client Project/Site: 85121DM, Nash Road Landfill Site

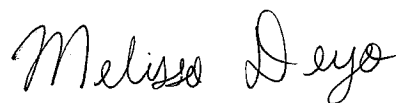
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

3/19/2015 10:53:03 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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results through

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www.testamericainc.com

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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Job ID: 480-76561-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-76561-1

Receipt

The sample was received on 3/12/2015 4:20 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

Method(s) 8260C: The laboratory control sample (LCS) for batch 230534 recovered outside control limits for the following analyte: Cyclohexane. This was not a requested spike compound; therefore, the data have been qualified and reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 230534 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-230534/4).

Method(s) 8260C: The method blank for batch 230534 contained Acetone and Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: Surrogate recovery for the following sample(s) was outside the upper control limit, evidence of matrix interference is not obvious; Therefore re-analysis of the sample must be conducted to confirm surrogate high. The following samples will be effected: SO-85121-031215-SM-008B (480-76561-1).

Method(s) 8260C: The laboratory control sample (LCS) for batch 229283 recovered outside control limits for the following analytes: Isopropylbenzene . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: SO-85121-031215-SM-008B (480-76561-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was analyzed using medium level soil technique to bring the concentration of target analytes within the calibration range: SO-85121-031215-SM-008B (480-76561-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for prep batch 230261 recovered outside control limits for the following analyte: Isopropylbenzene. This was not a requested spike compound; therefore, the data have been qualified and reported.
(LCS 480-230261/1-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SO-85121-031215-SM-008B (480-76561-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Client Sample ID: SO-85121-031215-SM-008B

Lab Sample ID: 480-76561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.73	J	9.1	0.55	ug/Kg	1	☼	8260C	Total/NA
1,2-Dichlorobenzene	28		9.1	0.71	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	77		9.1	1.3	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	100		45	3.3	ug/Kg	1	☼	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	7.9	J	45	3.0	ug/Kg	1	☼	8260C	Total/NA
Acetone	110	B	45	7.6	ug/Kg	1	☼	8260C	Total/NA
Chloroform	79		9.1	0.56	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	91	*	9.1	1.3	ug/Kg	1	☼	8260C	Total/NA
Dichlorodifluoromethane	2.3	J	9.1	0.75	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	1.8	J	9.1	0.63	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	16		9.1	1.4	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	37	B	9.1	4.2	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2.5	J	9.1	1.2	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2.7	J	9.1	2.0	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	3.0	J	9.1	1.1	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	7.8	J	18	1.5	ug/Kg	1	☼	8260C	Total/NA
Benzene - DL	3200		710	130	ug/Kg	4	☼	8260C	Total/NA
Chlorobenzene - DL	2200		710	94	ug/Kg	4	☼	8260C	Total/NA
Toluene - DL	28000		710	190	ug/Kg	4	☼	8260C	Total/NA
alpha-BHC	9.5	J	22	4.0	ug/Kg	10	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Client Sample ID: SO-85121-031215-SM-008B

Lab Sample ID: 480-76561-1

Date Collected: 03/12/15 14:00

Matrix: Solid

Date Received: 03/12/15 16:20

Percent Solids: 72.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		9.1	0.66	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,1,2,2-Tetrachloroethane	ND		9.1	1.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,1,2-Trichloroethane	ND		9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.1	2.1	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,1-Dichloroethane	ND		9.1	1.1	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,1-Dichloroethene	ND		9.1	1.1	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2,4-Trichlorobenzene	0.73	J	9.1	0.55	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2-Dibromo-3-Chloropropane	ND		9.1	4.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2-Dichlorobenzene	28		9.1	0.71	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2-Dichloroethane	ND		9.1	0.46	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2-Dichloropropane	ND		9.1	4.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,3-Dichlorobenzene	ND		9.1	0.47	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,4-Dichlorobenzene	77		9.1	1.3	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
2-Butanone (MEK)	100		45	3.3	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
2-Hexanone	ND		45	4.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
4-Methyl-2-pentanone (MIBK)	7.9	J	45	3.0	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Acetone	110	B	45	7.6	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Bromodichloromethane	ND		9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Bromoform	ND		9.1	4.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Bromomethane	ND		9.1	0.82	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Carbon disulfide	ND		9.1	4.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Carbon tetrachloride	ND		9.1	0.88	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Dibromochloromethane	ND		9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Chloroethane	ND		9.1	2.0	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Chloroform	79		9.1	0.56	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Chloromethane	ND		9.1	0.55	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
cis-1,2-Dichloroethene	ND		9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
cis-1,3-Dichloropropene	ND		9.1	1.3	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Cyclohexane	91	*	9.1	1.3	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Dichlorodifluoromethane	2.3	J	9.1	0.75	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Ethylbenzene	1.8	J	9.1	0.63	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
1,2-Dibromoethane	ND		9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Isopropylbenzene	ND		9.1	1.4	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Methyl acetate	ND		9.1	5.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Methyl tert-butyl ether	ND		9.1	0.89	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Methylcyclohexane	16		9.1	1.4	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Methylene Chloride	37	B	9.1	4.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Styrene	ND		9.1	0.45	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Tetrachloroethene	2.5	J	9.1	1.2	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
trans-1,2-Dichloroethene	ND		9.1	0.94	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
trans-1,3-Dichloropropene	ND		9.1	4.0	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Trichloroethene	2.7	J	9.1	2.0	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Trichlorofluoromethane	ND		9.1	0.86	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Vinyl chloride	3.0	J	9.1	1.1	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1
Xylenes, Total	7.8	J	18	1.5	ug/Kg	☼	03/12/15 21:25	03/16/15 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		71 - 125	03/12/15 21:25	03/16/15 03:52	1
1,2-Dichloroethane-d4 (Surr)	94		64 - 126	03/12/15 21:25	03/16/15 03:52	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Client Sample ID: SO-85121-031215-SM-008B

Lab Sample ID: 480-76561-1

Date Collected: 03/12/15 14:00

Matrix: Solid

Date Received: 03/12/15 16:20

Percent Solids: 72.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 126	03/12/15 21:25	03/16/15 03:52	1
Dibromofluoromethane (Surr)	104		60 - 140	03/12/15 21:25	03/16/15 03:52	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3200		710	130	ug/Kg	☼	03/12/15 21:24	03/19/15 02:34	4
Chlorobenzene	2200		710	94	ug/Kg	☼	03/12/15 21:24	03/19/15 02:34	4
Toluene	28000		710	190	ug/Kg	☼	03/12/15 21:24	03/19/15 02:34	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	75		50 - 149				03/12/15 21:24	03/19/15 02:34	4
1,2-Dichloroethane-d4 (Surr)	73		53 - 146				03/12/15 21:24	03/19/15 02:34	4
4-Bromofluorobenzene (Surr)	94		49 - 148				03/12/15 21:24	03/19/15 02:34	4
Dibromofluoromethane (Surr)	70		60 - 140				03/12/15 21:24	03/19/15 02:34	4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		22	4.4	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
4,4'-DDE	ND		22	4.7	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
4,4'-DDT	ND		22	5.2	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Aldrin	ND		22	5.5	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
alpha-BHC	9.5 J		22	4.0	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
beta-BHC	ND		22	4.0	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Chlordane (technical)	ND		220	50	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
delta-BHC	ND		22	4.2	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Dieldrin	ND		22	5.4	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Endosulfan I	ND		22	4.3	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Endosulfan II	ND		22	4.0	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Endosulfan sulfate	ND		22	4.2	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Endrin	ND		22	4.4	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Endrin aldehyde	ND		22	5.7	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
gamma-BHC (Lindane)	ND		22	4.1	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Heptachlor	ND		22	4.9	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Heptachlor epoxide	ND		22	5.8	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Toxaphene	ND		220	130	ug/Kg	☼	03/13/15 08:06	03/17/15 18:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		32 - 136				03/13/15 08:06	03/17/15 18:48	10
Tetrachloro-m-xylene	986	X	30 - 124				03/13/15 08:06	03/17/15 18:48	10

TestAmerica Buffalo

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	12DCE (64-126)	BFB (72-126)	DBFM (60-140)
480-76561-1	SO-85121-031215-SM-008B	95	94	103	104
LCS 480-230259/1-A	Lab Control Sample	100	106	102	108
MB 480-230259/2-A	Method Blank	100	110	100	110

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-76561-1 - DL	SO-85121-031215-SM-008B	75	73	94	70
LCS 480-230261/1-A	Lab Control Sample	133	134	127	131
MB 480-230261/2-A	Method Blank	130	136	126	133

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-76561-1	SO-85121-031215-SM-008B	75	986 X
LCS 480-230293/2-A	Lab Control Sample	84	62
MB 480-230293/1-A	Method Blank	87	63

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-230259/2-A

Matrix: Solid

Analysis Batch: 230534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2-Dichlorobenzene	ND		4.9	0.39	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
2-Hexanone	ND		25	2.5	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Acetone	16.2	J	25	4.2	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Benzene	ND		4.9	0.24	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Bromoform	ND		4.9	2.5	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Bromomethane	ND		4.9	0.44	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Chloroethane	ND		4.9	1.1	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Chloroform	ND		4.9	0.31	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Chloromethane	ND		4.9	0.30	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Cyclohexane	ND		4.9	0.69	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Isopropylbenzene	ND		4.9	0.75	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Methyl acetate	ND		4.9	3.0	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Methyl tert-butyl ether	ND		4.9	0.49	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Methylene Chloride	4.26	J	4.9	2.3	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Styrene	ND		4.9	0.25	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Toluene	ND		4.9	0.37	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Trichloroethene	ND		4.9	1.1	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		03/12/15 21:01	03/16/15 02:50	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		03/12/15 21:01	03/16/15 02:50	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-230259/2-A

Matrix: Solid

Analysis Batch: 230534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230259

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	03/12/15 21:01	03/16/15 02:50	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	03/12/15 21:01	03/16/15 02:50	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/12/15 21:01	03/16/15 02:50	1
Dibromofluoromethane (Surr)	110		60 - 140	03/12/15 21:01	03/16/15 02:50	1

Lab Sample ID: LCS 480-230259/1-A

Matrix: Solid

Analysis Batch: 230534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 230259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	48.6	51.7		ug/Kg		106	73 - 126
1,1-Dichloroethene	48.6	53.1		ug/Kg		109	59 - 125
1,2-Dichlorobenzene	48.6	47.7		ug/Kg		98	75 - 120
1,2-Dichloroethane	48.6	51.3		ug/Kg		105	77 - 122
Benzene	48.6	51.6		ug/Kg		106	79 - 127
Chlorobenzene	48.6	48.7		ug/Kg		100	76 - 124
cis-1,2-Dichloroethene	48.6	52.3		ug/Kg		107	81 - 117
Ethylbenzene	48.6	48.7		ug/Kg		100	80 - 120
Methyl tert-butyl ether	48.6	50.7		ug/Kg		104	63 - 125
Tetrachloroethene	48.6	49.9		ug/Kg		103	74 - 122
Toluene	48.6	48.7		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	48.6	52.4		ug/Kg		108	78 - 126
Trichloroethene	48.6	50.6		ug/Kg		104	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	108		60 - 140

Lab Sample ID: MB 480-230261/2-A

Matrix: Solid

Analysis Batch: 230861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2-Dichlorobenzene	ND		100	25	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/12/15 21:05	03/18/15 00:45	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-230261/2-A

Matrix: Solid

Analysis Batch: 230861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	300	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
2-Hexanone	ND		500	200	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Acetone	ND		500	410	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Benzene	ND		100	19	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Bromodichloromethane	ND		100	20	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Bromoform	ND		100	50	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Bromomethane	ND		100	22	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Carbon disulfide	ND		100	45	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Carbon tetrachloride	ND		100	25	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Chlorobenzene	ND		100	13	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Dibromochloromethane	ND		100	48	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Chloroethane	ND		100	21	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Chloroform	ND		100	68	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Chloromethane	ND		100	24	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Cyclohexane	ND		100	22	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Ethylbenzene	ND		100	29	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
1,2-Dibromoethane	ND		100	17	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Isopropylbenzene	ND		100	15	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Methyl acetate	ND		100	48	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Methylcyclohexane	ND		100	47	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Methylene Chloride	ND		100	20	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Styrene	ND		100	24	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Tetrachloroethene	ND		100	13	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Toluene	ND		100	27	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Trichloroethene	ND		100	28	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Vinyl chloride	ND		100	33	ug/Kg		03/12/15 21:05	03/18/15 00:45	1
Xylenes, Total	ND		200	55	ug/Kg		03/12/15 21:05	03/18/15 00:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	130		50 - 149	03/12/15 21:05	03/18/15 00:45	1
1,2-Dichloroethane-d4 (Surr)	136		53 - 146	03/12/15 21:05	03/18/15 00:45	1
4-Bromofluorobenzene (Surr)	126		49 - 148	03/12/15 21:05	03/18/15 00:45	1
Dibromofluoromethane (Surr)	133		60 - 140	03/12/15 21:05	03/18/15 00:45	1

Lab Sample ID: LCS 480-230261/1-A

Matrix: Solid

Analysis Batch: 230861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 230261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2500	2870		ug/Kg		115	78 - 121

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-230261/1-A

Matrix: Solid

Analysis Batch: 230861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 230261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	2500	2920		ug/Kg		117	48 - 133
1,2-Dichlorobenzene	2500	2760		ug/Kg		110	78 - 125
1,2-Dichloroethane	2500	2640		ug/Kg		106	74 - 127
Benzene	2500	2820		ug/Kg		113	77 - 125
Chlorobenzene	2500	2840		ug/Kg		114	76 - 126
cis-1,2-Dichloroethene	2500	2770		ug/Kg		111	79 - 124
Ethylbenzene	2500	2940		ug/Kg		117	78 - 124
Methyl tert-butyl ether	2500	2590		ug/Kg		103	67 - 137
Tetrachloroethene	2500	3060		ug/Kg		122	73 - 133
Toluene	2500	2850		ug/Kg		114	75 - 124
trans-1,2-Dichloroethene	2500	2790		ug/Kg		111	74 - 129
Trichloroethene	2500	2870		ug/Kg		115	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	133		50 - 149
1,2-Dichloroethane-d4 (Surr)	134		53 - 146
4-Bromofluorobenzene (Surr)	127		49 - 148
Dibromofluoromethane (Surr)	131		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-230293/1-A

Matrix: Solid

Analysis Batch: 230778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230293

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Aldrin	ND		1.7	0.41	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
alpha-BHC	ND		1.7	0.30	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
beta-BHC	ND		1.7	0.30	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Chlordane (technical)	ND		17	3.7	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
delta-BHC	ND		1.7	0.31	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Dieldrin	ND		1.7	0.40	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Endosulfan I	ND		1.7	0.32	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Endosulfan II	ND		1.7	0.30	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Endrin	ND		1.7	0.33	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Endrin aldehyde	0.952	J	1.7	0.42	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Heptachlor	ND		1.7	0.36	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		03/13/15 08:06	03/17/15 17:37	1
Toxaphene	ND		17	9.6	ug/Kg		03/13/15 08:06	03/17/15 17:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		32 - 136	03/13/15 08:06	03/17/15 17:37	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

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

Lab Sample ID: MB 480-230293/1-A

Matrix: Solid

Analysis Batch: 230778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230293

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		30 - 124	03/13/15 08:06	03/17/15 17:37	1

Lab Sample ID: LCS 480-230293/2-A

Matrix: Solid

Analysis Batch: 230778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 230293

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.6	14.4		ug/Kg		87	52 - 138
4,4'-DDE	16.6	12.9		ug/Kg		78	52 - 131
4,4'-DDT	16.6	13.1		ug/Kg		79	50 - 131
Aldrin	16.6	10.4		ug/Kg		63	35 - 120
alpha-BHC	16.6	11.1		ug/Kg		67	49 - 120
beta-BHC	16.6	10.5		ug/Kg		64	52 - 127
delta-BHC	16.6	12.9		ug/Kg		78	45 - 123
Dieldrin	16.6	13.1		ug/Kg		79	50 - 131
Endosulfan I	16.6	11.9		ug/Kg		72	43 - 121
Endosulfan II	16.6	13.5		ug/Kg		81	48 - 134
Endosulfan sulfate	16.6	13.7		ug/Kg		83	46 - 144
Endrin	16.6	13.2		ug/Kg		80	46 - 134
Endrin aldehyde	16.6	14.2		ug/Kg		85	31 - 137
gamma-BHC (Lindane)	16.6	11.6		ug/Kg		70	50 - 120
Heptachlor	16.6	12.1		ug/Kg		73	51 - 121
Heptachlor epoxide	16.6	12.3		ug/Kg		74	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	84		32 - 136
Tetrachloro-m-xylene	62		30 - 124

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

GC/MS VOA

Prep Batch: 230259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1	SO-85121-031215-SM-008B	Total/NA	Solid	5035A	
LCS 480-230259/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-230259/2-A	Method Blank	Total/NA	Solid	5035A	

Prep Batch: 230261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1 - DL	SO-85121-031215-SM-008B	Total/NA	Solid	5035A	
LCS 480-230261/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-230261/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 230534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1	SO-85121-031215-SM-008B	Total/NA	Solid	8260C	230259
LCS 480-230259/1-A	Lab Control Sample	Total/NA	Solid	8260C	230259
MB 480-230259/2-A	Method Blank	Total/NA	Solid	8260C	230259

Analysis Batch: 230861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-230261/1-A	Lab Control Sample	Total/NA	Solid	8260C	230261
MB 480-230261/2-A	Method Blank	Total/NA	Solid	8260C	230261

Analysis Batch: 231080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1 - DL	SO-85121-031215-SM-008B	Total/NA	Solid	8260C	230261

GC Semi VOA

Prep Batch: 230293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1	SO-85121-031215-SM-008B	Total/NA	Solid	3550C	
LCS 480-230293/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-230293/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 230778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1	SO-85121-031215-SM-008B	Total/NA	Solid	8081B	230293
LCS 480-230293/2-A	Lab Control Sample	Total/NA	Solid	8081B	230293
MB 480-230293/1-A	Method Blank	Total/NA	Solid	8081B	230293

General Chemistry

Analysis Batch: 230272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-76561-1	SO-85121-031215-SM-008B	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Client Sample ID: SO-85121-031215-SM-008B

Lab Sample ID: 480-76561-1

Date Collected: 03/12/15 14:00

Matrix: Solid

Date Received: 03/12/15 16:20

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			230259	03/12/15 21:25	CDC	TAL BUF
Total/NA	Analysis	8260C		1	230534	03/16/15 03:52	RAS	TAL BUF
Total/NA	Prep	5035A	DL		230261	03/12/15 21:24	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	4	231080	03/19/15 02:34	LJF	TAL BUF
Total/NA	Prep	3550C			230293	03/13/15 08:06	JLS	TAL BUF
Total/NA	Analysis	8081B		10	230778	03/17/15 18:48	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	230272	03/12/15 23:02	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-76561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-76561-1	SO-85121-031215-SM-008B	Solid	03/12/15 14:00	03/12/15 16:20



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO: 10100

(See Reverse Side for Instructions)

Address:

Phone:

Fax:

Project No/Phase/Task Code: 85121-041101-403		Laboratory Name: Test America, Inc.		Lab Location: Arboret, NY		SSOW ID: ENV104-402-003-	
Project Name: Wash Rd. Landfill		Lab Contact: Melissa Deyo		Lab Quote No:		Cooler No: 2100	
Project Location: Wheatfield, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		Carrier:	
Chemistry Contact: Paul McMahon		Matrix Code		Unpreserved		Airbill No:	
Sampler(s): Shan McEvoy		(see back of COC)		Grab (G) or Comp (C)		Date Shipped:	
SAMPLE IDENTIFICATION (Containers for each sample must be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		COMMENTS/ SPECIAL INSTRUCTIONS:	
1 50-85121-031115-SM-008B		3/12/15		14:00		2-day TAT	
2 50-85121-031215-SM-008B		3/12/15		14:00		Any questions call Paul McMahon	
3						297-6150	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☒ 2-Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:		RECEIVED BY 		DATE 3/12/15		COMPANY CRA	
1.		DATE 3/12/15		TIME 16:00		Total Number of Containers: 4	
2.		DATE 3/12/15		TIME 16:20		Notes/ Special Requirements: Temp 2.4 #3 ICE	
3.		DATE		TIME		COMPANY CRA	
		DATE		TIME		COMPANY TA	

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10B (20110804)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-76561-1

Login Number: 76561

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	conestoga-rovers
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-79539-1

Client Project/Site: 85121DM, Nash Road Landfill Site

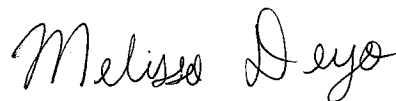
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

5/8/2015 11:58:59 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Job ID: 480-79539-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-79539-1

Receipt

The samples were received on 5/1/2015 2:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 240237 recovered outside acceptance criteria, low biased, for 1,1,1-Trichloroethane, 1,2-Dichloroethane and Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. SO-85121-050115-SM-009 (480-79539-1), SO-85121-050115-SM-010 (480-79539-2), SO-85121-050115-SM-011 (480-79539-3), SO-85121-050115-SM-011 (480-79539-3[MS]) and SO-85121-050115-SM-011 (480-79539-3[MSD])

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 240049 were outside control limits. Sample non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. SO-85121-050115-SM-011 (480-79539-3[MS]) and SO-85121-050115-SM-011 (480-79539-3[MSD])

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The closing continuing calibration verification (CCV) standard was decreased slightly and failed to meet acceptance limits for 4,4'-DDT. (-21.2% - limit 20%) All spike recoveries for the Laboratory Control Sample, Matrix Spike, & Spike Duplicate are compliant and well with range for 4,4'-DDT, and all samples are non-detect to the MDL for this compound, therefore the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-009

Lab Sample ID: 480-79539-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.1	J	5.4	0.42	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene	3.5	J	5.4	0.76	ug/Kg	1		✱	8260C	Total/NA
Acetone	7.1	J	27	4.6	ug/Kg	1		✱	8260C	Total/NA
Benzene	3.5	J	5.4	0.27	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	3.5	J	5.4	0.72	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.6	J	5.4	2.5	ug/Kg	1		✱	8260C	Total/NA
Toluene	68		5.4	0.41	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	1.3	J	11	0.91	ug/Kg	1		✱	8260C	Total/NA
Aldrin	0.76	J	2.0	0.49	ug/Kg	1		✱	8081B	Total/NA
alpha-BHC	7.1		2.0	0.36	ug/Kg	1		✱	8081B	Total/NA
beta-BHC	4.0		2.0	0.36	ug/Kg	1		✱	8081B	Total/NA
delta-BHC	0.49	J B	2.0	0.37	ug/Kg	1		✱	8081B	Total/NA
Endosulfan sulfate	0.44	J	2.0	0.37	ug/Kg	1		✱	8081B	Total/NA

Client Sample ID: SO-85121-050115-SM-010

Lab Sample ID: 480-79539-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	1.6	J	6.5	0.39	ug/Kg	1		✱	8260C	Total/NA
1,2-Dichlorobenzene	3.1	J	6.5	0.51	ug/Kg	1		✱	8260C	Total/NA
1,3-Dichlorobenzene	0.73	J	6.5	0.33	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene	8.7		6.5	0.91	ug/Kg	1		✱	8260C	Total/NA
Acetone	11	J	32	5.5	ug/Kg	1		✱	8260C	Total/NA
Benzene	5.9	J	6.5	0.32	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	7.9		6.5	0.86	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	1.2	J	6.5	0.91	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	0.48	J	6.5	0.45	ug/Kg	1		✱	8260C	Total/NA
Isopropylbenzene	1.5	J	6.5	0.98	ug/Kg	1		✱	8260C	Total/NA
Toluene	140		6.5	0.49	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	5.8	J	13	1.1	ug/Kg	1		✱	8260C	Total/NA
4,4'-DDD	4.6		2.0	0.40	ug/Kg	1		✱	8081B	Total/NA
4,4'-DDE	1.0	J	2.0	0.43	ug/Kg	1		✱	8081B	Total/NA
Aldrin	1.3	J	2.0	0.50	ug/Kg	1		✱	8081B	Total/NA
alpha-BHC	4.8		2.0	0.37	ug/Kg	1		✱	8081B	Total/NA
beta-BHC	3.2		2.0	0.37	ug/Kg	1		✱	8081B	Total/NA
Endosulfan sulfate	0.50	J	2.0	0.38	ug/Kg	1		✱	8081B	Total/NA

Client Sample ID: SO-85121-050115-SM-011

Lab Sample ID: 480-79539-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.9	J	6.4	0.90	ug/Kg	1		✱	8260C	Total/NA
Acetone	7.9	J	32	5.4	ug/Kg	1		✱	8260C	Total/NA
Benzene	2.3	J	6.4	0.32	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	2.1	J	6.4	0.85	ug/Kg	1		✱	8260C	Total/NA
Toluene	33		6.4	0.49	ug/Kg	1		✱	8260C	Total/NA
alpha-BHC	2.9	F2	2.2	0.40	ug/Kg	1		✱	8081B	Total/NA
beta-BHC	2.0	J F2	2.2	0.40	ug/Kg	1		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-009

Lab Sample ID: 480-79539-1

Date Collected: 05/01/15 12:20

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 82.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2-Dichlorobenzene	1.1	J	5.4	0.42	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,4-Dichlorobenzene	3.5	J	5.4	0.76	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Acetone	7.1	J	27	4.6	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Benzene	3.5	J	5.4	0.27	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Chlorobenzene	3.5	J	5.4	0.72	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Isopropylbenzene	ND		5.4	0.82	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Methylene Chloride	2.6	J	5.4	2.5	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Styrene	ND		5.4	0.27	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Toluene	68		5.4	0.41	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1
Xylenes, Total	1.3	J	11	0.91	ug/Kg	☼	05/01/15 15:42	05/04/15 01:29	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-009

Lab Sample ID: 480-79539-1

Date Collected: 05/01/15 12:20

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 82.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		71 - 125	05/01/15 15:42	05/04/15 01:29	1
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	05/01/15 15:42	05/04/15 01:29	1
4-Bromofluorobenzene (Surr)	106		72 - 126	05/01/15 15:42	05/04/15 01:29	1
Dibromofluoromethane (Surr)	105		60 - 140	05/01/15 15:42	05/04/15 01:29	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.38	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
4,4'-DDE	ND		2.0	0.42	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
4,4'-DDT	ND		2.0	0.46	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Aldrin	0.76	J	2.0	0.49	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
alpha-BHC	7.1		2.0	0.36	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
beta-BHC	4.0		2.0	0.36	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Chlordane (technical)	ND		20	4.4	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
delta-BHC	0.49	J B	2.0	0.37	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Dieldrin	ND		2.0	0.47	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Endosulfan II	ND		2.0	0.36	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Endosulfan sulfate	0.44	J	2.0	0.37	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Endrin	ND		2.0	0.39	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Endrin aldehyde	ND		2.0	0.51	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
gamma-BHC (Lindane)	ND		2.0	0.36	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Heptachlor epoxide	ND		2.0	0.51	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1
Toxaphene	ND		20	12	ug/Kg	☼	05/04/15 09:14	05/07/15 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		32 - 136	05/04/15 09:14	05/07/15 10:46	1
Tetrachloro-m-xylene	85		30 - 124	05/04/15 09:14	05/07/15 10:46	1

Client Sample ID: SO-85121-050115-SM-010

Lab Sample ID: 480-79539-2

Date Collected: 05/01/15 12:30

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 80.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.5	0.47	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,1,2,2-Tetrachloroethane	ND		6.5	1.1	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,1,2-Trichloroethane	ND		6.5	0.84	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,1-Dichloroethane	ND		6.5	0.79	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,1-Dichloroethene	ND		6.5	0.79	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2,4-Trichlorobenzene	1.6	J	6.5	0.39	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2-Dibromo-3-Chloropropane	ND		6.5	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2-Dichlorobenzene	3.1	J	6.5	0.51	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2-Dichloroethane	ND		6.5	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2-Dichloropropane	ND		6.5	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,3-Dichlorobenzene	0.73	J	6.5	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,4-Dichlorobenzene	8.7		6.5	0.91	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
2-Butanone (MEK)	ND		32	2.4	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-010

Lab Sample ID: 480-79539-2

Date Collected: 05/01/15 12:30

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 80.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Acetone	11	J	32	5.5	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Benzene	5.9	J	6.5	0.32	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Bromodichloromethane	ND		6.5	0.87	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Bromoform	ND		6.5	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Bromomethane	ND		6.5	0.58	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Carbon disulfide	ND		6.5	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Carbon tetrachloride	ND		6.5	0.63	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Chlorobenzene	7.9		6.5	0.86	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Dibromochloromethane	ND		6.5	0.83	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Chloroethane	ND		6.5	1.5	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Chloroform	ND		6.5	0.40	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Chloromethane	ND		6.5	0.39	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
cis-1,2-Dichloroethene	ND		6.5	0.83	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
cis-1,3-Dichloropropene	ND		6.5	0.93	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Cyclohexane	1.2	J	6.5	0.91	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Dichlorodifluoromethane	ND		6.5	0.54	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Ethylbenzene	0.48	J	6.5	0.45	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
1,2-Dibromoethane	ND		6.5	0.83	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Isopropylbenzene	1.5	J	6.5	0.98	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Methyl acetate	ND		6.5	3.9	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Methyl tert-butyl ether	ND		6.5	0.64	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Methylcyclohexane	ND		6.5	0.99	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Methylene Chloride	ND		6.5	3.0	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Styrene	ND		6.5	0.32	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Tetrachloroethene	ND		6.5	0.87	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Toluene	140		6.5	0.49	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
trans-1,2-Dichloroethene	ND		6.5	0.67	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Trichloroethene	ND		6.5	1.4	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Trichlorofluoromethane	ND		6.5	0.61	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Vinyl chloride	ND		6.5	0.79	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1
Xylenes, Total	5.8	J	13	1.1	ug/Kg	☼	05/01/15 15:42	05/04/15 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/01/15 15:42	05/04/15 01:55	1
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	05/01/15 15:42	05/04/15 01:55	1
4-Bromofluorobenzene (Surr)	97		72 - 126	05/01/15 15:42	05/04/15 01:55	1
Dibromofluoromethane (Surr)	94		60 - 140	05/01/15 15:42	05/04/15 01:55	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	4.6		2.0	0.40	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
4,4'-DDE	1.0	J	2.0	0.43	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
4,4'-DDT	ND		2.0	0.48	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Aldrin	1.3	J	2.0	0.50	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
alpha-BHC	4.8		2.0	0.37	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
beta-BHC	3.2		2.0	0.37	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Chlordane (technical)	ND		20	4.5	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
delta-BHC	ND		2.0	0.38	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-010

Lab Sample ID: 480-79539-2

Date Collected: 05/01/15 12:30

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		2.0	0.49	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Endosulfan I	ND		2.0	0.39	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Endosulfan II	ND		2.0	0.37	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Endosulfan sulfate	0.50	J	2.0	0.38	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Endrin	ND		2.0	0.40	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Endrin aldehyde	ND		2.0	0.52	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
gamma-BHC (Lindane)	ND		2.0	0.38	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Heptachlor epoxide	ND		2.0	0.53	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Toxaphene	ND		20	12	ug/Kg	☼	05/04/15 09:14	05/07/15 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		32 - 136				05/04/15 09:14	05/07/15 11:03	1
Tetrachloro-m-xylene	83		30 - 124				05/04/15 09:14	05/07/15 11:03	1

Client Sample ID: SO-85121-050115-SM-011

Lab Sample ID: 480-79539-3

Date Collected: 05/01/15 12:50

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 72.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.4	0.47	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,1,2,2-Tetrachloroethane	ND		6.4	1.0	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,1,2-Trichloroethane	ND		6.4	0.84	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,1-Dichloroethane	ND		6.4	0.78	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,1-Dichloroethene	ND		6.4	0.79	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2,4-Trichlorobenzene	ND		6.4	0.39	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2-Dibromo-3-Chloropropane	ND		6.4	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2-Dichlorobenzene	ND		6.4	0.50	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2-Dichloroethane	ND		6.4	0.32	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2-Dichloropropane	ND		6.4	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,3-Dichlorobenzene	ND		6.4	0.33	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,4-Dichlorobenzene	2.9	J	6.4	0.90	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
2-Butanone (MEK)	ND		32	2.4	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Acetone	7.9	J	32	5.4	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Benzene	2.3	J	6.4	0.32	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Bromodichloromethane	ND		6.4	0.86	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Bromoform	ND		6.4	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Bromomethane	ND		6.4	0.58	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Carbon disulfide	ND		6.4	3.2	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Carbon tetrachloride	ND		6.4	0.62	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Chlorobenzene	2.1	J	6.4	0.85	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Dibromochloromethane	ND		6.4	0.82	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Chloroethane	ND		6.4	1.5	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Chloroform	ND		6.4	0.40	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Chloromethane	ND		6.4	0.39	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
cis-1,2-Dichloroethene	ND		6.4	0.82	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-011

Lab Sample ID: 480-79539-3

Date Collected: 05/01/15 12:50

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 72.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		6.4	0.93	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Cyclohexane	ND		6.4	0.90	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Dichlorodifluoromethane	ND		6.4	0.53	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Ethylbenzene	ND		6.4	0.44	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
1,2-Dibromoethane	ND		6.4	0.83	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Isopropylbenzene	ND		6.4	0.97	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Methyl acetate	ND		6.4	3.9	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Methyl tert-butyl ether	ND		6.4	0.63	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Methylcyclohexane	ND		6.4	0.98	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Methylene Chloride	ND		6.4	3.0	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Styrene	ND		6.4	0.32	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Tetrachloroethene	ND		6.4	0.86	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Toluene	33		6.4	0.49	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
trans-1,2-Dichloroethene	ND		6.4	0.66	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
trans-1,3-Dichloropropene	ND		6.4	2.8	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Trichloroethene	ND		6.4	1.4	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Trichlorofluoromethane	ND		6.4	0.61	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Vinyl chloride	ND		6.4	0.78	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	05/01/15 15:42	05/04/15 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	101		71 - 125	05/01/15 15:42	05/04/15 02:21	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	89		64 - 126	05/01/15 15:42	05/04/15 02:21	1
<i>4-Bromofluorobenzene (Surr)</i>	94		72 - 126	05/01/15 15:42	05/04/15 02:21	1
<i>Dibromofluoromethane (Surr)</i>	94		60 - 140	05/01/15 15:42	05/04/15 02:21	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.2	0.43	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
4,4'-DDE	ND		2.2	0.47	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
4,4'-DDT	ND		2.2	0.52	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Aldrin	ND		2.2	0.55	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
alpha-BHC	2.9	F2	2.2	0.40	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
beta-BHC	2.0	J F2	2.2	0.40	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Chlordane (technical)	ND		22	5.0	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
delta-BHC	ND		2.2	0.42	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Dieldrin	ND		2.2	0.54	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Endosulfan I	ND		2.2	0.43	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Endosulfan II	ND		2.2	0.40	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Endosulfan sulfate	ND		2.2	0.42	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Endrin	ND		2.2	0.44	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Endrin aldehyde	ND		2.2	0.57	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
gamma-BHC (Lindane)	ND		2.2	0.41	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Heptachlor	ND		2.2	0.48	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Heptachlor epoxide	ND		2.2	0.58	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1
Toxaphene	ND		22	13	ug/Kg	☼	05/04/15 09:14	05/07/15 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	72		32 - 136	05/04/15 09:14	05/07/15 11:21	1
<i>Tetrachloro-m-xylene</i>	73		30 - 124	05/04/15 09:14	05/07/15 11:21	1

TestAmerica Buffalo

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	12DCE (64-126)	BFB (72-126)	DBFM (60-140)
480-79539-1	SO-85121-050115-SM-009	111	97	106	105
480-79539-2	SO-85121-050115-SM-010	98	90	97	94
480-79539-3	SO-85121-050115-SM-011	101	89	94	94
480-79539-3 MS	SO-85121-050115-SM-011	106	77	87	92
480-79539-3 MSD	SO-85121-050115-SM-011	106	76	90	90
LCS 480-240049/1-A	Lab Control Sample	98	89	97	95
MB 480-240049/2-A	Method Blank	98	88	92	92

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (32-136)	TCX1 (30-124)
480-79539-1	SO-85121-050115-SM-009	77	85
480-79539-2	SO-85121-050115-SM-010	72	83
480-79539-3	SO-85121-050115-SM-011	72	73
480-79539-3 MS	SO-85121-050115-SM-011	82	73
480-79539-3 MSD	SO-85121-050115-SM-011	75	80
LCS 480-240312/2-A	Lab Control Sample	61	63
MB 480-240312/1-A	Method Blank	68	75

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-240049/2-A

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2-Dichlorobenzene	ND		4.9	0.39	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
2-Hexanone	ND		25	2.5	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Acetone	ND		25	4.2	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Benzene	ND		4.9	0.24	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Bromoform	ND		4.9	2.5	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Bromomethane	ND		4.9	0.44	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Chloroethane	ND		4.9	1.1	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Chloroform	ND		4.9	0.31	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Chloromethane	ND		4.9	0.30	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Cyclohexane	ND		4.9	0.69	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Isopropylbenzene	ND		4.9	0.75	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Methyl acetate	ND		4.9	3.0	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Methyl tert-butyl ether	ND		4.9	0.49	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Methylene Chloride	ND		4.9	2.3	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Styrene	ND		4.9	0.25	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Toluene	ND		4.9	0.37	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Trichloroethene	ND		4.9	1.1	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		05/01/15 15:42	05/04/15 00:25	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		05/01/15 15:42	05/04/15 00:25	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-240049/2-A

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240049

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/01/15 15:42	05/04/15 00:25	1
1,2-Dichloroethane-d4 (Surr)	88		64 - 126	05/01/15 15:42	05/04/15 00:25	1
4-Bromofluorobenzene (Surr)	92		72 - 126	05/01/15 15:42	05/04/15 00:25	1
Dibromofluoromethane (Surr)	92		60 - 140	05/01/15 15:42	05/04/15 00:25	1

Lab Sample ID: LCS 480-240049/1-A

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 240049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	48.6	44.0		ug/Kg		90	73 - 126
1,1-Dichloroethene	48.6	41.5		ug/Kg		85	59 - 125
1,2-Dichlorobenzene	48.6	40.3		ug/Kg		83	75 - 120
1,2-Dichloroethane	48.6	38.8		ug/Kg		80	77 - 122
Benzene	48.6	44.3		ug/Kg		91	79 - 127
Chlorobenzene	48.6	43.9		ug/Kg		90	76 - 124
cis-1,2-Dichloroethene	48.6	43.6		ug/Kg		90	81 - 117
Ethylbenzene	48.6	43.1		ug/Kg		89	80 - 120
Methyl tert-butyl ether	48.6	39.2		ug/Kg		81	63 - 125
Tetrachloroethene	48.6	44.3		ug/Kg		91	74 - 122
Toluene	48.6	43.8		ug/Kg		90	74 - 128
trans-1,2-Dichloroethene	48.6	43.1		ug/Kg		89	78 - 126
Trichloroethene	48.6	41.5		ug/Kg		85	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	89		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Dibromofluoromethane (Surr)	95		60 - 140

Lab Sample ID: 480-79539-3 MS

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		70.9	50.3	F1	ug/Kg	☼	71	73 - 126
1,1-Dichloroethene	ND		70.9	50.5		ug/Kg	☼	71	59 - 125
1,2-Dichlorobenzene	ND		70.9	20.8	F1	ug/Kg	☼	29	75 - 120
1,2-Dichloroethane	ND		70.9	35.4	F1	ug/Kg	☼	50	77 - 122
Benzene	2.3	J	70.9	49.6	F1	ug/Kg	☼	67	79 - 127
Chlorobenzene	2.1	J	70.9	33.5	F1	ug/Kg	☼	44	76 - 124
cis-1,2-Dichloroethene	ND		70.9	43.7	F1	ug/Kg	☼	62	81 - 117
Ethylbenzene	ND		70.9	32.8	F1	ug/Kg	☼	46	80 - 120
Methyl tert-butyl ether	ND		70.9	43.1	F1	ug/Kg	☼	61	63 - 125
Tetrachloroethene	ND		70.9	36.9	F1	ug/Kg	☼	52	74 - 122
Toluene	33		70.9	91.1		ug/Kg	☼	82	74 - 128
trans-1,2-Dichloroethene	ND		70.9	44.7	F1	ug/Kg	☼	63	78 - 126
Trichloroethene	ND		70.9	34.8	F1	ug/Kg	☼	49	77 - 129

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-79539-3 MS

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240049

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	106		71 - 125
1,2-Dichloroethane-d4 (Surr)	77		64 - 126
4-Bromofluorobenzene (Surr)	87		72 - 126
Dibromofluoromethane (Surr)	92		60 - 140

Lab Sample ID: 480-79539-3 MSD

Matrix: Solid

Analysis Batch: 240237

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		65.8	41.3	F1	ug/Kg	☼	63	73 - 126	20	30
1,1-Dichloroethene	ND		65.8	45.3		ug/Kg	☼	69	59 - 125	11	30
1,2-Dichlorobenzene	ND		65.8	16.0	F1	ug/Kg	☼	24	75 - 120	26	30
1,2-Dichloroethane	ND		65.8	28.7	F1	ug/Kg	☼	44	77 - 122	21	30
Benzene	2.3	J	65.8	41.6	F1	ug/Kg	☼	60	79 - 127	18	30
Chlorobenzene	2.1	J	65.8	27.4	F1	ug/Kg	☼	39	76 - 124	20	30
cis-1,2-Dichloroethene	ND		65.8	34.9	F1	ug/Kg	☼	53	81 - 117	22	30
Ethylbenzene	ND		65.8	25.9	F1	ug/Kg	☼	39	80 - 120	23	30
Methyl tert-butyl ether	ND		65.8	34.4	F1	ug/Kg	☼	52	63 - 125	22	30
Tetrachloroethene	ND		65.8	33.0	F1	ug/Kg	☼	50	74 - 122	11	30
Toluene	33		65.8	87.8		ug/Kg	☼	83	74 - 128	4	30
trans-1,2-Dichloroethene	ND		65.8	36.4	F1	ug/Kg	☼	55	78 - 126	21	30
Trichloroethene	ND		65.8	28.4	F1	ug/Kg	☼	43	77 - 129	20	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	106		71 - 125
1,2-Dichloroethane-d4 (Surr)	76		64 - 126
4-Bromofluorobenzene (Surr)	90		72 - 126
Dibromofluoromethane (Surr)	90		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-240312/1-A

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Aldrin	ND		1.7	0.41	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
alpha-BHC	ND		1.7	0.30	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
beta-BHC	ND		1.7	0.30	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Chlordane (technical)	ND		17	3.7	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
delta-BHC	0.313	J	1.7	0.31	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Dieldrin	ND		1.7	0.40	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Endosulfan I	ND		1.7	0.32	ug/Kg		05/04/15 09:14	05/07/15 09:00	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

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

Lab Sample ID: MB 480-240312/1-A

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.7	0.30	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Endrin	ND		1.7	0.33	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Heptachlor	ND		1.7	0.36	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		05/04/15 09:14	05/07/15 09:00	1
Toxaphene	ND		17	9.7	ug/Kg		05/04/15 09:14	05/07/15 09:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		32 - 136	05/04/15 09:14	05/07/15 09:00	1
Tetrachloro-m-xylene	75		30 - 124	05/04/15 09:14	05/07/15 09:00	1

Lab Sample ID: LCS 480-240312/2-A

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 240312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	10.3		ug/Kg		63	52 - 138
4,4'-DDE	16.4	9.35		ug/Kg		57	52 - 131
4,4'-DDT	16.4	10.8		ug/Kg		66	50 - 131
Aldrin	16.4	8.13		ug/Kg		50	35 - 120
alpha-BHC	16.4	8.43		ug/Kg		52	49 - 120
beta-BHC	16.4	8.91		ug/Kg		55	52 - 127
delta-BHC	16.4	10.1		ug/Kg		62	45 - 123
Dieldrin	16.4	11.0		ug/Kg		67	50 - 131
Endosulfan I	16.4	9.56		ug/Kg		58	43 - 121
Endosulfan II	16.4	10.5		ug/Kg		64	48 - 134
Endosulfan sulfate	16.4	10.8		ug/Kg		66	46 - 144
Endrin	16.4	10.3		ug/Kg		63	46 - 134
Endrin aldehyde	16.4	8.73		ug/Kg		53	31 - 137
gamma-BHC (Lindane)	16.4	9.22		ug/Kg		56	50 - 120
Heptachlor	16.4	9.21		ug/Kg		56	51 - 121
Heptachlor epoxide	16.4	9.14		ug/Kg		56	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	61		32 - 136
Tetrachloro-m-xylene	63		30 - 124

Lab Sample ID: 480-79539-3 MS

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		23.0	16.9		ug/Kg	☼	73	26 - 162
4,4'-DDE	ND		23.0	15.5		ug/Kg	☼	68	34 - 138
4,4'-DDT	ND		23.0	16.0		ug/Kg	☼	70	43 - 131
Aldrin	ND		23.0	16.5		ug/Kg	☼	72	37 - 125

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

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

Lab Sample ID: 480-79539-3 MS

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	2.9	F2	23.0	19.8		ug/Kg	☼	74	39 - 117
beta-BHC	2.0	J F2	23.0	19.8		ug/Kg	☼	78	36 - 139
delta-BHC	ND		23.0	18.2		ug/Kg	☼	79	23 - 132
Dieldrin	ND		23.0	17.8		ug/Kg	☼	77	38 - 135
Endosulfan I	ND		23.0	16.5		ug/Kg	☼	72	39 - 128
Endosulfan II	ND		23.0	16.6		ug/Kg	☼	72	24 - 134
Endosulfan sulfate	ND		23.0	19.9		ug/Kg	☼	87	19 - 137
Endrin	ND		23.0	17.5		ug/Kg	☼	76	41 - 147
Endrin aldehyde	ND		23.0	16.3		ug/Kg	☼	71	20 - 120
gamma-BHC (Lindane)	ND		23.0	15.8		ug/Kg	☼	69	50 - 120
Heptachlor	ND		23.0	16.3		ug/Kg	☼	71	42 - 128
Heptachlor epoxide	ND		23.0	16.5		ug/Kg	☼	72	26 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	82		32 - 136
Tetrachloro-m-xylene	73		30 - 124

Lab Sample ID: 480-79539-3 MSD

Matrix: Solid

Analysis Batch: 240986

Client Sample ID: SO-85121-050115-SM-011

Prep Type: Total/NA

Prep Batch: 240312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		22.8	17.6		ug/Kg	☼	77	26 - 162	4	21
4,4'-DDE	ND		22.8	15.9		ug/Kg	☼	70	34 - 138	3	18
4,4'-DDT	ND		22.8	16.1		ug/Kg	☼	71	43 - 131	0	25
Aldrin	ND		22.8	15.3		ug/Kg	☼	67	37 - 125	7	12
alpha-BHC	2.9	F2	22.8	15.7	F2	ug/Kg	☼	56	39 - 117	23	15
beta-BHC	2.0	J F2	22.8	15.9	F2	ug/Kg	☼	61	36 - 139	22	19
delta-BHC	ND		22.8	18.3		ug/Kg	☼	80	23 - 132	1	14
Dieldrin	ND		22.8	18.3		ug/Kg	☼	80	38 - 135	3	12
Endosulfan I	ND		22.8	16.6		ug/Kg	☼	73	39 - 128	1	18
Endosulfan II	ND		22.8	17.4		ug/Kg	☼	76	24 - 134	4	26
Endosulfan sulfate	ND		22.8	19.4		ug/Kg	☼	85	19 - 137	3	35
Endrin	ND		22.8	17.9		ug/Kg	☼	79	41 - 147	2	20
Endrin aldehyde	ND		22.8	16.2		ug/Kg	☼	71	20 - 120	0	47
gamma-BHC (Lindane)	ND		22.8	16.0		ug/Kg	☼	70	50 - 120	1	12
Heptachlor	ND		22.8	16.7		ug/Kg	☼	73	42 - 128	2	22
Heptachlor epoxide	ND		22.8	17.1		ug/Kg	☼	75	26 - 141	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	75		32 - 136
Tetrachloro-m-xylene	80		30 - 124

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

GC/MS VOA

Prep Batch: 240049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79539-1	SO-85121-050115-SM-009	Total/NA	Solid	5035A	
480-79539-2	SO-85121-050115-SM-010	Total/NA	Solid	5035A	
480-79539-3	SO-85121-050115-SM-011	Total/NA	Solid	5035A	
480-79539-3 MS	SO-85121-050115-SM-011	Total/NA	Solid	5035A	
480-79539-3 MSD	SO-85121-050115-SM-011	Total/NA	Solid	5035A	
LCS 480-240049/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-240049/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 240237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79539-1	SO-85121-050115-SM-009	Total/NA	Solid	8260C	240049
480-79539-2	SO-85121-050115-SM-010	Total/NA	Solid	8260C	240049
480-79539-3	SO-85121-050115-SM-011	Total/NA	Solid	8260C	240049
480-79539-3 MS	SO-85121-050115-SM-011	Total/NA	Solid	8260C	240049
480-79539-3 MSD	SO-85121-050115-SM-011	Total/NA	Solid	8260C	240049
LCS 480-240049/1-A	Lab Control Sample	Total/NA	Solid	8260C	240049
MB 480-240049/2-A	Method Blank	Total/NA	Solid	8260C	240049

GC Semi VOA

Prep Batch: 240312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79539-1	SO-85121-050115-SM-009	Total/NA	Solid	3550C	
480-79539-2	SO-85121-050115-SM-010	Total/NA	Solid	3550C	
480-79539-3	SO-85121-050115-SM-011	Total/NA	Solid	3550C	
480-79539-3 MS	SO-85121-050115-SM-011	Total/NA	Solid	3550C	
480-79539-3 MSD	SO-85121-050115-SM-011	Total/NA	Solid	3550C	
LCS 480-240312/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-240312/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 240986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79539-1	SO-85121-050115-SM-009	Total/NA	Solid	8081B	240312
480-79539-2	SO-85121-050115-SM-010	Total/NA	Solid	8081B	240312
480-79539-3	SO-85121-050115-SM-011	Total/NA	Solid	8081B	240312
480-79539-3 MS	SO-85121-050115-SM-011	Total/NA	Solid	8081B	240312
480-79539-3 MSD	SO-85121-050115-SM-011	Total/NA	Solid	8081B	240312
LCS 480-240312/2-A	Lab Control Sample	Total/NA	Solid	8081B	240312
MB 480-240312/1-A	Method Blank	Total/NA	Solid	8081B	240312

General Chemistry

Analysis Batch: 240206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79539-1	SO-85121-050115-SM-009	Total/NA	Solid	Moisture	
480-79539-2	SO-85121-050115-SM-010	Total/NA	Solid	Moisture	
480-79539-3	SO-85121-050115-SM-011	Total/NA	Solid	Moisture	
480-79539-3 MS	SO-85121-050115-SM-011	Total/NA	Solid	Moisture	
480-79539-3 MSD	SO-85121-050115-SM-011	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Client Sample ID: SO-85121-050115-SM-009

Lab Sample ID: 480-79539-1

Date Collected: 05/01/15 12:20

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			240049	05/01/15 15:42	RAS	TAL BUF
Total/NA	Analysis	8260C		1	240237	05/04/15 01:29	CDC	TAL BUF
Total/NA	Prep	3550C			240312	05/04/15 09:14	CAM	TAL BUF
Total/NA	Analysis	8081B		1	240986	05/07/15 10:46	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	240206	05/02/15 15:04	CMK	TAL BUF

Client Sample ID: SO-85121-050115-SM-010

Lab Sample ID: 480-79539-2

Date Collected: 05/01/15 12:30

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			240049	05/01/15 15:42	RAS	TAL BUF
Total/NA	Analysis	8260C		1	240237	05/04/15 01:55	CDC	TAL BUF
Total/NA	Prep	3550C			240312	05/04/15 09:14	CAM	TAL BUF
Total/NA	Analysis	8081B		1	240986	05/07/15 11:03	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	240206	05/02/15 15:04	CMK	TAL BUF

Client Sample ID: SO-85121-050115-SM-011

Lab Sample ID: 480-79539-3

Date Collected: 05/01/15 12:50

Matrix: Solid

Date Received: 05/01/15 14:55

Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			240049	05/01/15 15:42	RAS	TAL BUF
Total/NA	Analysis	8260C		1	240237	05/04/15 02:21	CDC	TAL BUF
Total/NA	Prep	3550C			240312	05/04/15 09:14	CAM	TAL BUF
Total/NA	Analysis	8081B		1	240986	05/07/15 11:21	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	240206	05/02/15 15:04	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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:

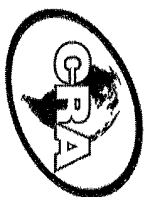
TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-79539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-79539-1	SO-85121-050115-SM-009	Solid	05/01/15 12:20	05/01/15 14:55
480-79539-2	SO-85121-050115-SM-010	Solid	05/01/15 12:30	05/01/15 14:55
480-79539-3	SO-85121-050115-SM-011	Solid	05/01/15 12:50	05/01/15 14:55



**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN OF CUSTODY RECORD

COC NO.: 48110

Address:

Phone:

Fax:

Page 1 of 15

(See Reverse Side for Instructions)

Project No/Phase/Task Code:

SS121-D-11101-403

Project Name:

Wash Rd. Lenfield

Project Location:

Wheatfield, NY

Chemistry Contact:

Paul McMahon

Sampler(s):

Shan McEvoy

Laboratory Name:

Test America, Inc.

Lab Contact:

Melissa Dejo

Lab Location:

Amherst, NY

Lab Quote No:

SAMPLE TYPE

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other:

Total Containers/Sample

PPL PEST

PPL VOCs

MS/MSD Request

COMMENTS/SPECIAL INSTRUCTIONS:

Date Shipped:

Airbill No:

Carrier:

Cooler No:

SSOW/ID:

ENV20H-402-005

2100

297-6150

2 Day TAT

Any questions, call Paul McMahon

MS/MSD

297-6150

2 Day TAT

Any questions, call Paul McMahon

MS/MSD

297-6150

2 Day TAT

Any questions, call Paul McMahon

MS/MSD

297-6150

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☒ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

REINQUISHED BY

COMPANY

DATE

TIME

1. *Shan McEvoy* CRA 5/1/15 14:30

2. *Paul McMahon* CRA 5/1/15 14:55

3. *Shan McEvoy* CRA 5/1/15 14:55

Total Number of Containers: 20

All Samples in Cooler must be on COC

Notes/Special Requirements:

RECEIVED BY

COMPANY

DATE

TIME

1. *Shan McEvoy* CRA 5/1/15 14:30

2. *Paul McMahon* CRA 5/1/15 14:55

3. *Shan McEvoy* CRA 5/1/15 14:55



480-79539 Chain of Custody

Distribution:

WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-108 (20110804)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-79539-1

Login Number: 79539

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-80271-1

Client Project/Site: 85121DM, Nash Road Landfill Site

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

5/15/2015 5:25:43 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Job ID: 480-80271-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-80271-1

Receipt

The samples were received on 5/13/2015 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 242274 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. SO-85121-051315-SM-012 (480-80271-1) and SO-85121-051315-SM-013 (480-80271-2)

Method(s) 8260C: The following samples were analyzed using medium level analysis to bring the concentration of target analytes within the calibration range: SO-85121-051315-SM-012 (480-80271-1) and SO-85121-051315-SM-013 (480-80271-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SO-85121-051315-SM-013 (480-80271-2). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following sample was diluted due to the abundance of non-target analytes: SO-85121-051315-SM-012 (480-80271-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SO-85121-051315-SM-012 (480-80271-1) and SO-85121-051315-SM-013 (480-80271-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-012

Lab Sample ID: 480-80271-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	90	J	170	43	ug/Kg	1		✱	8260C	Total/NA
1,4-Dichlorobenzene	280		170	24	ug/Kg	1		✱	8260C	Total/NA
Benzene	2200		170	32	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	740		170	22	ug/Kg	1		✱	8260C	Total/NA
Toluene	9800		170	45	ug/Kg	1		✱	8260C	Total/NA
4,4'-DDE	58	J	240	50	ug/Kg	100		✱	8081B	Total/NA
alpha-BHC	1400	B	240	43	ug/Kg	100		✱	8081B	Total/NA
beta-BHC	1000		240	43	ug/Kg	100		✱	8081B	Total/NA
gamma-BHC (Lindane)	110	J	240	44	ug/Kg	100		✱	8081B	Total/NA

Client Sample ID: SO-85121-051315-SM-013

Lab Sample ID: 480-80271-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	1100		170	32	ug/Kg	1		✱	8260C	Total/NA
Chlorobenzene	270		170	23	ug/Kg	1		✱	8260C	Total/NA
Toluene	3500		170	46	ug/Kg	1		✱	8260C	Total/NA
alpha-BHC	8.3	B	4.9	0.88	ug/Kg	2		✱	8081B	Total/NA
beta-BHC	9.8		4.9	0.88	ug/Kg	2		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-012

Lab Sample ID: 480-80271-1

Date Collected: 05/13/15 14:00

Matrix: Solid

Date Received: 05/13/15 15:10

Percent Solids: 68.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		170	47	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,1,2,2-Tetrachloroethane	ND		170	27	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,1,2-Trichloroethane	ND		170	35	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		170	84	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,1-Dichloroethane	ND		170	52	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,1-Dichloroethene	ND		170	58	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2,4-Trichlorobenzene	ND		170	64	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2-Dibromo-3-Chloropropane	ND		170	84	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2-Dichlorobenzene	90	J	170	43	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2-Dichloroethane	ND		170	69	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2-Dichloropropane	ND		170	27	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,3-Dichlorobenzene	ND		170	45	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,4-Dichlorobenzene	280		170	24	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
2-Butanone (MEK)	ND		840	500	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
2-Hexanone	ND		840	340	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
4-Methyl-2-pentanone (MIBK)	ND		840	54	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Acetone	ND		840	690	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Benzene	2200		170	32	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Bromodichloromethane	ND		170	34	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Bromoform	ND		170	84	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Bromomethane	ND		170	37	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Carbon disulfide	ND		170	76	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Carbon tetrachloride	ND		170	43	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Chlorobenzene	740		170	22	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Dibromochloromethane	ND		170	81	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Chloroethane	ND		170	35	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Chloroform	ND		170	120	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Chloromethane	ND		170	40	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
cis-1,2-Dichloroethene	ND		170	46	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
cis-1,3-Dichloropropene	ND		170	40	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Cyclohexane	ND		170	37	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Dichlorodifluoromethane	ND		170	73	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Ethylbenzene	ND		170	49	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
1,2-Dibromoethane	ND		170	29	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Isopropylbenzene	ND		170	25	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Methyl acetate	ND		170	80	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Methyl tert-butyl ether	ND		170	63	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Methylcyclohexane	ND		170	79	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Methylene Chloride	ND		170	33	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Styrene	ND		170	40	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Tetrachloroethene	ND		170	23	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Toluene	9800		170	45	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
trans-1,2-Dichloroethene	ND		170	40	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
trans-1,3-Dichloropropene	ND		170	17	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Trichloroethene	ND		170	47	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Trichlorofluoromethane	ND		170	79	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Vinyl chloride	ND		170	56	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1
Xylenes, Total	ND		340	93	ug/Kg	☼	05/13/15 16:52	05/13/15 23:23	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-012

Lab Sample ID: 480-80271-1

Date Collected: 05/13/15 14:00

Matrix: Solid

Date Received: 05/13/15 15:10

Percent Solids: 68.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		50 - 149	05/13/15 16:52	05/13/15 23:23	1
1,2-Dichloroethane-d4 (Surr)	90		53 - 146	05/13/15 16:52	05/13/15 23:23	1
4-Bromofluorobenzene (Surr)	100		49 - 148	05/13/15 16:52	05/13/15 23:23	1
Dibromofluoromethane (Surr)	87		60 - 140	05/13/15 16:52	05/13/15 23:23	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		240	46	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
4,4'-DDE	58	J	240	50	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
4,4'-DDT	ND		240	56	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Aldrin	ND		240	59	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
alpha-BHC	1400	B	240	43	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
beta-BHC	1000		240	43	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Chlordane (technical)	ND		2400	530	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
delta-BHC	ND		240	44	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Dieldrin	ND		240	57	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Endosulfan I	ND		240	46	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Endosulfan II	ND		240	43	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Endosulfan sulfate	ND		240	45	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Endrin	ND		240	47	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Endrin aldehyde	ND		240	61	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
gamma-BHC (Lindane)	110	J	240	44	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Heptachlor	ND		240	52	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Heptachlor epoxide	ND		240	62	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100
Toxaphene	ND		2400	1400	ug/Kg	✱	05/14/15 14:23	05/15/15 13:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 13:16	100
Tetrachloro-m-xylene	533	X	30 - 124	05/14/15 14:23	05/15/15 13:16	100

Client Sample ID: SO-85121-051315-SM-013

Lab Sample ID: 480-80271-2

Date Collected: 05/13/15 14:15

Matrix: Solid

Date Received: 05/13/15 15:10

Percent Solids: 67.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		170	47	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,1,2,2-Tetrachloroethane	ND		170	28	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,1,2-Trichloroethane	ND		170	36	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		170	85	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,1-Dichloroethane	ND		170	53	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,1-Dichloroethene	ND		170	59	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,2,4-Trichlorobenzene	ND		170	65	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,2-Dibromo-3-Chloropropane	ND		170	85	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,2-Dichlorobenzene	ND		170	44	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,2-Dichloroethane	ND		170	70	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,2-Dichloropropane	ND		170	28	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,3-Dichlorobenzene	ND		170	46	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
1,4-Dichlorobenzene	ND		170	24	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
2-Butanone (MEK)	ND		850	510	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1
2-Hexanone	ND		850	350	ug/Kg	✱	05/13/15 16:52	05/13/15 23:48	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-013

Lab Sample ID: 480-80271-2

Date Collected: 05/13/15 14:15

Matrix: Solid

Date Received: 05/13/15 15:10

Percent Solids: 67.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		850	55	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Acetone	ND		850	700	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Benzene	1100		170	32	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Bromodichloromethane	ND		170	34	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Bromoform	ND		170	85	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Bromomethane	ND		170	38	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Carbon disulfide	ND		170	78	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Carbon tetrachloride	ND		170	44	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Chlorobenzene	270		170	23	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Dibromochloromethane	ND		170	83	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Chloroethane	ND		170	35	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Chloroform	ND		170	120	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Chloromethane	ND		170	41	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
cis-1,2-Dichloroethene	ND		170	47	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
cis-1,3-Dichloropropene	ND		170	41	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Cyclohexane	ND		170	38	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Dichlorodifluoromethane	ND		170	74	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Ethylbenzene	ND		170	50	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
1,2-Dibromoethane	ND		170	30	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Isopropylbenzene	ND		170	26	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Methyl acetate	ND		170	81	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Methyl tert-butyl ether	ND		170	65	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Methylcyclohexane	ND		170	80	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Methylene Chloride	ND		170	34	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Styrene	ND		170	41	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Tetrachloroethene	ND		170	23	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Toluene	3500		170	46	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
trans-1,2-Dichloroethene	ND		170	40	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
trans-1,3-Dichloropropene	ND		170	17	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Trichloroethene	ND		170	47	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Trichlorofluoromethane	ND		170	80	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Vinyl chloride	ND		170	57	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1
Xylenes, Total	ND		340	95	ug/Kg	☼	05/13/15 16:52	05/13/15 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		50 - 149	05/13/15 16:52	05/13/15 23:48	1
1,2-Dichloroethane-d4 (Surr)	87		53 - 146	05/13/15 16:52	05/13/15 23:48	1
4-Bromofluorobenzene (Surr)	99		49 - 148	05/13/15 16:52	05/13/15 23:48	1
Dibromofluoromethane (Surr)	85		60 - 140	05/13/15 16:52	05/13/15 23:48	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	0.95	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
4,4'-DDE	ND		4.9	1.0	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
4,4'-DDT	ND		4.9	1.1	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Aldrin	ND		4.9	1.2	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
alpha-BHC	8.3	B	4.9	0.88	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
beta-BHC	9.8		4.9	0.88	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Chlordane (technical)	ND		49	11	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
delta-BHC	ND		4.9	0.90	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-013

Lab Sample ID: 480-80271-2

Date Collected: 05/13/15 14:15

Matrix: Solid

Date Received: 05/13/15 15:10

Percent Solids: 67.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		4.9	1.2	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Endosulfan I	ND		4.9	0.93	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Endosulfan II	ND		4.9	0.88	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Endosulfan sulfate	ND		4.9	0.91	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Endrin	ND		4.9	0.96	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Endrin aldehyde	ND		4.9	1.2	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
gamma-BHC (Lindane)	ND		4.9	0.89	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Heptachlor	ND		4.9	1.1	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Heptachlor epoxide	ND		4.9	1.3	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Toxaphene	ND		49	28	ug/Kg	☼	05/14/15 14:23	05/15/15 13:34	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		32 - 136				05/14/15 14:23	05/15/15 13:34	2
Tetrachloro-m-xylene	69		30 - 124				05/14/15 14:23	05/15/15 13:34	2

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-80271-1	SO-85121-051315-SM-012	97	90	100	87
480-80271-2	SO-85121-051315-SM-013	95	87	99	85
LCS 480-242124/1-A	Lab Control Sample	98	88	103	92
MB 480-242124/2-A	Method Blank	97	89	102	86

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (32-136)	TCX1 (30-124)
480-80271-1	SO-85121-051315-SM-012	0 X	533 X
480-80271-2	SO-85121-051315-SM-013	69	69
LCS 480-242466/2-A	Lab Control Sample	69	66
MB 480-242466/1-A	Method Blank	74	72

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-242124/2-A

Matrix: Solid

Analysis Batch: 242085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		97	27	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,1,2,2-Tetrachloroethane	ND		97	16	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,1,2-Trichloroethane	ND		97	20	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		97	49	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,1-Dichloroethane	ND		97	30	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,1-Dichloroethene	ND		97	34	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2,4-Trichlorobenzene	ND		97	37	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2-Dibromo-3-Chloropropane	ND		97	49	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2-Dichlorobenzene	ND		97	25	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2-Dichloroethane	ND		97	40	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2-Dichloropropane	ND		97	16	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,3-Dichlorobenzene	ND		97	26	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,4-Dichlorobenzene	ND		97	14	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
2-Butanone (MEK)	ND		490	290	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
2-Hexanone	ND		490	200	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		490	31	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Acetone	ND		490	400	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Benzene	ND		97	18	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Bromodichloromethane	ND		97	19	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Bromoform	ND		97	49	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Bromomethane	ND		97	21	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Carbon disulfide	ND		97	44	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Carbon tetrachloride	ND		97	25	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Chlorobenzene	ND		97	13	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Dibromochloromethane	ND		97	47	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Chloroethane	ND		97	20	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Chloroform	ND		97	67	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Chloromethane	ND		97	23	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
cis-1,2-Dichloroethene	ND		97	27	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
cis-1,3-Dichloropropene	ND		97	23	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Cyclohexane	ND		97	22	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Dichlorodifluoromethane	ND		97	42	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Ethylbenzene	ND		97	28	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
1,2-Dibromoethane	ND		97	17	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Isopropylbenzene	ND		97	15	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Methyl acetate	ND		97	46	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Methyl tert-butyl ether	ND		97	37	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Methylcyclohexane	ND		97	45	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Methylene Chloride	ND		97	19	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Styrene	ND		97	23	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Tetrachloroethene	ND		97	13	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Toluene	ND		97	26	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
trans-1,2-Dichloroethene	ND		97	23	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
trans-1,3-Dichloropropene	ND		97	9.5	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Trichloroethene	ND		97	27	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Trichlorofluoromethane	ND		97	46	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Vinyl chloride	ND		97	33	ug/Kg		05/13/15 10:07	05/13/15 15:29	1
Xylenes, Total	ND		190	54	ug/Kg		05/13/15 10:07	05/13/15 15:29	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-242124/2-A

Matrix: Solid

Analysis Batch: 242085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242124

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		50 - 149	05/13/15 10:07	05/13/15 15:29	1
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	05/13/15 10:07	05/13/15 15:29	1
4-Bromofluorobenzene (Surr)	102		49 - 148	05/13/15 10:07	05/13/15 15:29	1
Dibromofluoromethane (Surr)	86		60 - 140	05/13/15 10:07	05/13/15 15:29	1

Lab Sample ID: LCS 480-242124/1-A

Matrix: Solid

Analysis Batch: 242085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2480	2230		ug/Kg		90	78 - 121
1,1-Dichloroethene	2480	2210		ug/Kg		89	48 - 133
1,2-Dichlorobenzene	2480	2390		ug/Kg		96	78 - 125
1,2-Dichloroethane	2480	2210		ug/Kg		89	74 - 127
Benzene	2480	2450		ug/Kg		99	77 - 125
Chlorobenzene	2480	2520		ug/Kg		102	76 - 126
cis-1,2-Dichloroethene	2480	2330		ug/Kg		94	79 - 124
Ethylbenzene	2480	2450		ug/Kg		99	78 - 124
Methyl tert-butyl ether	2480	2370		ug/Kg		95	67 - 137
Tetrachloroethene	2480	2610		ug/Kg		105	73 - 133
Toluene	2480	2510		ug/Kg		101	75 - 124
trans-1,2-Dichloroethene	2480	2390		ug/Kg		96	74 - 129
Trichloroethene	2480	2390		ug/Kg		96	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		50 - 149
1,2-Dichloroethane-d4 (Surr)	88		53 - 146
4-Bromofluorobenzene (Surr)	103		49 - 148
Dibromofluoromethane (Surr)	92		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-242466/1-A

Matrix: Solid

Analysis Batch: 242575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Aldrin	ND		1.7	0.41	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
alpha-BHC	0.334	J	1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
beta-BHC	ND		1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Chlordane (technical)	ND		1.7	3.7	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
delta-BHC	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Dieldrin	ND		1.7	0.40	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Endosulfan I	ND		1.7	0.32	ug/Kg		05/14/15 14:23	05/15/15 12:41	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

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

Lab Sample ID: MB 480-242466/1-A

Matrix: Solid

Analysis Batch: 242575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Endrin	ND		1.7	0.33	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Endrin aldehyde	0.479	J	1.7	0.43	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
gamma-BHC (Lindane)	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Heptachlor	ND		1.7	0.36	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		05/14/15 14:23	05/15/15 12:41	1
Toxaphene	ND		17	9.7	ug/Kg		05/14/15 14:23	05/15/15 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	74		32 - 136	05/14/15 14:23	05/15/15 12:41	1
Tetrachloro-m-xylene	72		30 - 124	05/14/15 14:23	05/15/15 12:41	1

Lab Sample ID: LCS 480-242466/2-A

Matrix: Solid

Analysis Batch: 242575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.6	12.1		ug/Kg		73	52 - 138
4,4'-DDE	16.6	11.2		ug/Kg		67	52 - 131
4,4'-DDT	16.6	11.6		ug/Kg		70	50 - 131
Aldrin	16.6	10.1		ug/Kg		60	35 - 120
alpha-BHC	16.6	10.8		ug/Kg		65	49 - 120
beta-BHC	16.6	11.4		ug/Kg		69	52 - 127
delta-BHC	16.6	11.2		ug/Kg		67	45 - 123
Dieldrin	16.6	12.5		ug/Kg		75	50 - 131
Endosulfan I	16.6	11.3		ug/Kg		68	43 - 121
Endosulfan II	16.6	11.7		ug/Kg		70	48 - 134
Endosulfan sulfate	16.6	11.3		ug/Kg		68	46 - 144
Endrin	16.6	13.2		ug/Kg		79	46 - 134
Endrin aldehyde	16.6	12.1		ug/Kg		73	31 - 137
gamma-BHC (Lindane)	16.6	11.6		ug/Kg		70	50 - 120
Heptachlor	16.6	12.7		ug/Kg		76	51 - 121
Heptachlor epoxide	16.6	11.8		ug/Kg		71	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	69		32 - 136
Tetrachloro-m-xylene	66		30 - 124

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

GC/MS VOA

Analysis Batch: 242085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-242124/1-A	Lab Control Sample	Total/NA	Solid	8260C	242124
MB 480-242124/2-A	Method Blank	Total/NA	Solid	8260C	242124

Prep Batch: 242124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80271-1	SO-85121-051315-SM-012	Total/NA	Solid	5035A	
480-80271-2	SO-85121-051315-SM-013	Total/NA	Solid	5035A	
LCS 480-242124/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-242124/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 242274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80271-1	SO-85121-051315-SM-012	Total/NA	Solid	8260C	242124
480-80271-2	SO-85121-051315-SM-013	Total/NA	Solid	8260C	242124

GC Semi VOA

Prep Batch: 242466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80271-1	SO-85121-051315-SM-012	Total/NA	Solid	3550C	
480-80271-2	SO-85121-051315-SM-013	Total/NA	Solid	3550C	
LCS 480-242466/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-242466/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 242575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80271-1	SO-85121-051315-SM-012	Total/NA	Solid	8081B	242466
480-80271-2	SO-85121-051315-SM-013	Total/NA	Solid	8081B	242466
LCS 480-242466/2-A	Lab Control Sample	Total/NA	Solid	8081B	242466
MB 480-242466/1-A	Method Blank	Total/NA	Solid	8081B	242466

General Chemistry

Analysis Batch: 242295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80271-1	SO-85121-051315-SM-012	Total/NA	Solid	Moisture	
480-80271-2	SO-85121-051315-SM-013	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Client Sample ID: SO-85121-051315-SM-012

Date Collected: 05/13/15 14:00

Date Received: 05/13/15 15:10

Lab Sample ID: 480-80271-1

Matrix: Solid

Percent Solids: 68.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			242124	05/13/15 16:52	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242274	05/13/15 23:23	JWG	TAL BUF
Total/NA	Prep	3550C			242466	05/14/15 14:23	CPH	TAL BUF
Total/NA	Analysis	8081B		100	242575	05/15/15 13:16	JRL	TAL BUF
Total/NA	Analysis	Moisture		1	242295	05/13/15 23:16	CMK	TAL BUF

Client Sample ID: SO-85121-051315-SM-013

Date Collected: 05/13/15 14:15

Date Received: 05/13/15 15:10

Lab Sample ID: 480-80271-2

Matrix: Solid

Percent Solids: 67.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			242124	05/13/15 16:52	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242274	05/13/15 23:48	JWG	TAL BUF
Total/NA	Prep	3550C			242466	05/14/15 14:23	CPH	TAL BUF
Total/NA	Analysis	8081B		2	242575	05/15/15 13:34	JRL	TAL BUF
Total/NA	Analysis	Moisture		1	242295	05/13/15 23:16	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-80271-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-80271-1	SO-85121-051315-SM-012	Solid	05/13/15 14:00	05/13/15 15:10
480-80271-2	SO-85121-051315-SM-013	Solid	05/13/15 14:15	05/13/15 15:10

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CHAIN OF CUSTODY RECORD

COC NO: 48111

Fox:

10/2 (See Reverse Side for Instructions)

Page 19 of 20

#1

CRA Form: COC-10B (20110804)
2.3

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-80271-1

Login Number: 80271

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-81212-1

Client Project/Site: 85121DM, Nash Road Landfill Site

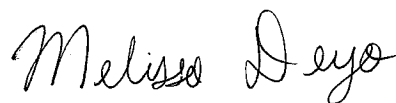
For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

6/2/2015 3:36:48 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Job ID: 480-81212-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-81212-1

Receipt

The samples were received on 5/29/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for 480-245134 recovered outside acceptance limits for Benzene. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported. SO-85121-052915-SM-015 (480-81212-2) and SO-85121-052915-SM-016 (480-81212-3)

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SO-85121-052915-SM-014 (480-81212-1), SO-85121-052915-SM-015 (480-81212-2) and SO-85121-052915-SM-016 (480-81212-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to an abundance of target analytes: SO-85121-052915-SM-014 (480-81212-1), SO-85121-052915-SM-015 (480-81212-2) and SO-85121-052915-SM-016 (480-81212-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The continuing calibration verification (CCV) recovered above the upper control limit for Technical Chlordane and Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SO-85121-052915-SM-014 (480-81212-1), SO-85121-052915-SM-015 (480-81212-2) and SO-85121-052915-SM-016 (480-81212-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SO-85121-052915-SM-014 (480-81212-1), SO-85121-052915-SM-015 (480-81212-2) and SO-85121-052915-SM-016 (480-81212-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-014

Lab Sample ID: 480-81212-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	55000		26000	10000	ug/Kg	200		✖	8260C	Total/NA
1,2-Dichlorobenzene	24000	J	26000	6700	ug/Kg	200		✖	8260C	Total/NA
1,4-Dichlorobenzene	70000		26000	3700	ug/Kg	200		✖	8260C	Total/NA
Benzene	230000		26000	5000	ug/Kg	200		✖	8260C	Total/NA
Chlorobenzene	410000		26000	3500	ug/Kg	200		✖	8260C	Total/NA
Cyclohexane	50000		26000	5800	ug/Kg	200		✖	8260C	Total/NA
Methylcyclohexane	19000	J	26000	12000	ug/Kg	200		✖	8260C	Total/NA
Toluene	1600000		26000	7100	ug/Kg	200		✖	8260C	Total/NA
4,4'-DDD	14000	J	42000	8200	ug/Kg	20000		✖	8081B	Total/NA
Aldrin	84000		42000	10000	ug/Kg	20000		✖	8081B	Total/NA
alpha-BHC	96000	B	42000	7600	ug/Kg	20000		✖	8081B	Total/NA
beta-BHC	94000		42000	7600	ug/Kg	20000		✖	8081B	Total/NA
delta-BHC	14000	J	42000	7800	ug/Kg	20000		✖	8081B	Total/NA
gamma-BHC (Lindane)	14000	J	42000	7700	ug/Kg	20000		✖	8081B	Total/NA
Heptachlor	180000		42000	9100	ug/Kg	20000		✖	8081B	Total/NA

Client Sample ID: SO-85121-052915-SM-015

Lab Sample ID: 480-81212-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.84	J	6.7	0.52	ug/Kg	1		✖	8260C	Total/NA
2-Butanone (MEK)	18	J	34	2.5	ug/Kg	1		✖	8260C	Total/NA
Acetone	57		34	5.6	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	11		6.7	0.94	ug/Kg	1		✖	8260C	Total/NA
Ethylbenzene	0.49	J	6.7	0.46	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	15		6.7	3.1	ug/Kg	1		✖	8260C	Total/NA
Benzene - DL	3700		380	73	ug/Kg	2		✖	8260C	Total/NA
Chlorobenzene - DL	2100		380	51	ug/Kg	2		✖	8260C	Total/NA
Toluene - DL	14000		380	100	ug/Kg	2		✖	8260C	Total/NA
4,4'-DDD	5.7	J	24	4.6	ug/Kg	10		✖	8081B	Total/NA
Aldrin	26		24	5.8	ug/Kg	10		✖	8081B	Total/NA
alpha-BHC	130	B	24	4.2	ug/Kg	10		✖	8081B	Total/NA
beta-BHC	46		24	4.2	ug/Kg	10		✖	8081B	Total/NA
delta-BHC	5.5	J	24	4.4	ug/Kg	10		✖	8081B	Total/NA
gamma-BHC (Lindane)	8.7	J	24	4.3	ug/Kg	10		✖	8081B	Total/NA
Heptachlor epoxide	6.6	J	24	6.1	ug/Kg	10		✖	8081B	Total/NA

Client Sample ID: SO-85121-052915-SM-016

Lab Sample ID: 480-81212-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	15	J	55	4.0	ug/Kg	1		✖	8260C	Total/NA
Acetone	72		55	9.3	ug/Kg	1		✖	8260C	Total/NA
Chlorobenzene	310		11	1.5	ug/Kg	1		✖	8260C	Total/NA
Chloroform	0.74	J	11	0.68	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	3.9	J	11	1.5	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	19		11	5.1	ug/Kg	1		✖	8260C	Total/NA
Benzene - DL	7500		720	140	ug/Kg	4		✖	8260C	Total/NA
Toluene - DL	21000		720	190	ug/Kg	4		✖	8260C	Total/NA
4,4'-DDD	18	J	48	9.3	ug/Kg	20		✖	8081B	Total/NA
4,4'-DDT	11	J	48	11	ug/Kg	20		✖	8081B	Total/NA
Aldrin	100		48	12	ug/Kg	20		✖	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-016 (Continued)

Lab Sample ID: 480-81212-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
alpha-BHC	230	B	48	8.6	ug/Kg	20		✱	8081B	Total/NA
beta-BHC	180		48	8.6	ug/Kg	20		✱	8081B	Total/NA
delta-BHC	20	J	48	8.9	ug/Kg	20		✱	8081B	Total/NA
gamma-BHC (Lindane)	25	J	48	8.8	ug/Kg	20		✱	8081B	Total/NA
Heptachlor	230		48	10	ug/Kg	20		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-014

Date Collected: 05/29/15 14:00

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-1

Matrix: Solid

Percent Solids: 77.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		26000	7300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,1,2,2-Tetrachloroethane	ND		26000	4300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,1,2-Trichloroethane	ND		26000	5500	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		26000	13000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,1-Dichloroethane	ND		26000	8100	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,1-Dichloroethene	ND		26000	9100	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2,4-Trichlorobenzene	55000		26000	10000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2-Dibromo-3-Chloropropane	ND		26000	13000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2-Dichlorobenzene	24000	J	26000	6700	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2-Dichloroethane	ND		26000	11000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2-Dichloropropane	ND		26000	4300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,3-Dichlorobenzene	ND		26000	7000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,4-Dichlorobenzene	70000		26000	3700	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
2-Butanone (MEK)	ND		130000	78000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
2-Hexanone	ND		130000	54000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
4-Methyl-2-pentanone (MIBK)	ND		130000	8400	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Acetone	ND		130000	110000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Benzene	230000		26000	5000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Bromodichloromethane	ND		26000	5300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Bromoform	ND		26000	13000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Bromomethane	ND		26000	5800	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Carbon disulfide	ND		26000	12000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Carbon tetrachloride	ND		26000	6700	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Chlorobenzene	410000		26000	3500	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Dibromochloromethane	ND		26000	13000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Chloroethane	ND		26000	5500	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Chloroform	ND		26000	18000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Chloromethane	ND		26000	6300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
cis-1,2-Dichloroethene	ND		26000	7300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
cis-1,3-Dichloropropene	ND		26000	6300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Cyclohexane	50000		26000	5800	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Dichlorodifluoromethane	ND		26000	11000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Ethylbenzene	ND		26000	7700	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
1,2-Dibromoethane	ND		26000	4600	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Isopropylbenzene	ND		26000	3900	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Methyl acetate	ND		26000	13000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Methyl tert-butyl ether	ND		26000	9900	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Methylcyclohexane	19000	J	26000	12000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Methylene Chloride	ND		26000	5200	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Styrene	ND		26000	6300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Tetrachloroethene	ND		26000	3500	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Toluene	1600000		26000	7100	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
trans-1,2-Dichloroethene	ND		26000	6200	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
trans-1,3-Dichloropropene	ND		26000	2600	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Trichloroethene	ND		26000	7300	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Trichlorofluoromethane	ND		26000	12000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Vinyl chloride	ND		26000	8800	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200
Xylenes, Total	ND		53000	15000	ug/Kg	☼	05/29/15 15:49	06/02/15 04:30	200

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-014

Date Collected: 05/29/15 14:00

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-1

Matrix: Solid

Percent Solids: 77.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		50 - 149	05/29/15 15:49	06/02/15 04:30	200
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	05/29/15 15:49	06/02/15 04:30	200
4-Bromofluorobenzene (Surr)	102		49 - 148	05/29/15 15:49	06/02/15 04:30	200
Dibromofluoromethane (Surr)	92		60 - 140	05/29/15 15:49	06/02/15 04:30	200

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	14000	J	42000	8200	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
4,4'-DDE	ND		42000	8800	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
4,4'-DDT	ND		42000	9800	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Aldrin	84000		42000	10000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
alpha-BHC	96000	B	42000	7600	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
beta-BHC	94000		42000	7600	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Chlordane (technical)	ND		420000	93000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
delta-BHC	14000	J	42000	7800	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Dieldrin	ND		42000	10000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Endosulfan I	ND		42000	8100	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Endosulfan II	ND		42000	7600	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Endosulfan sulfate	ND		42000	7800	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Endrin	ND		42000	8300	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Endrin aldehyde	ND		42000	11000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
gamma-BHC (Lindane)	14000	J	42000	7700	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Heptachlor	180000		42000	9100	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Heptachlor epoxide	ND		42000	11000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000
Toxaphene	ND		420000	240000	ug/Kg	☼	06/01/15 13:58	06/02/15 08:44	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	06/01/15 13:58	06/02/15 08:44	20000
Tetrachloro-m-xylene	0	X	30 - 124	06/01/15 13:58	06/02/15 08:44	20000

Client Sample ID: SO-85121-052915-SM-015

Date Collected: 05/29/15 14:15

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-2

Matrix: Solid

Percent Solids: 69.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.7	0.49	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,1,2,2-Tetrachloroethane	ND		6.7	1.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,1,2-Trichloroethane	ND		6.7	0.87	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.7	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,1-Dichloroethane	ND		6.7	0.82	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,1-Dichloroethene	ND		6.7	0.82	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2,4-Trichlorobenzene	ND		6.7	0.41	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2-Dibromo-3-Chloropropane	ND		6.7	3.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2-Dichlorobenzene	0.84	J	6.7	0.52	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2-Dichloroethane	ND		6.7	0.34	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2-Dichloropropane	ND		6.7	3.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,3-Dichlorobenzene	ND		6.7	0.34	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,4-Dichlorobenzene	ND		6.7	0.94	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
2-Butanone (MEK)	18	J	34	2.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-015

Lab Sample ID: 480-81212-2

Date Collected: 05/29/15 14:15

Matrix: Solid

Date Received: 05/29/15 15:15

Percent Solids: 69.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Acetone	57		34	5.6	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Bromodichloromethane	ND		6.7	0.90	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Bromoform	ND		6.7	3.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Bromomethane	ND		6.7	0.60	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Carbon disulfide	ND		6.7	3.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Carbon tetrachloride	ND		6.7	0.65	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Dibromochloromethane	ND		6.7	0.86	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Chloroethane	ND		6.7	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Chloroform	ND		6.7	0.41	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Chloromethane	ND		6.7	0.40	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
cis-1,2-Dichloroethene	ND		6.7	0.86	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
cis-1,3-Dichloropropene	ND		6.7	0.96	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Cyclohexane	11		6.7	0.94	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Dichlorodifluoromethane	ND		6.7	0.55	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Ethylbenzene	0.49 J		6.7	0.46	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
1,2-Dibromoethane	ND		6.7	0.86	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Isopropylbenzene	ND		6.7	1.0	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Methyl acetate	ND		6.7	4.0	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Methyl tert-butyl ether	ND		6.7	0.66	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Methylcyclohexane	ND		6.7	1.0	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Methylene Chloride	15		6.7	3.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Styrene	ND		6.7	0.34	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Tetrachloroethene	ND		6.7	0.90	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
trans-1,2-Dichloroethene	ND		6.7	0.69	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
trans-1,3-Dichloropropene	ND		6.7	2.9	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Trichloroethene	ND		6.7	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Trichlorofluoromethane	ND		6.7	0.63	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Vinyl chloride	ND		6.7	0.82	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 125	05/29/15 15:48	06/01/15 15:17	1
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	05/29/15 15:48	06/01/15 15:17	1
4-Bromofluorobenzene (Surr)	106		72 - 126	05/29/15 15:48	06/01/15 15:17	1
Dibromofluoromethane (Surr)	101		60 - 140	05/29/15 15:48	06/01/15 15:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3700		380	73	ug/Kg	☼	05/29/15 15:49	06/02/15 04:54	2
Chlorobenzene	2100		380	51	ug/Kg	☼	05/29/15 15:49	06/02/15 04:54	2
Toluene	14000		380	100	ug/Kg	☼	05/29/15 15:49	06/02/15 04:54	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		50 - 149	05/29/15 15:49	06/02/15 04:54	2
1,2-Dichloroethane-d4 (Surr)	90		53 - 146	05/29/15 15:49	06/02/15 04:54	2
4-Bromofluorobenzene (Surr)	103		49 - 148	05/29/15 15:49	06/02/15 04:54	2
Dibromofluoromethane (Surr)	94		60 - 140	05/29/15 15:49	06/02/15 04:54	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-015

Lab Sample ID: 480-81212-2

Date Collected: 05/29/15 14:15

Matrix: Solid

Date Received: 05/29/15 15:15

Percent Solids: 69.0

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	5.7	J	24	4.6	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
4,4'-DDE	ND		24	4.9	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
4,4'-DDT	ND		24	5.5	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Aldrin	26		24	5.8	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
alpha-BHC	130	B	24	4.2	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
beta-BHC	46		24	4.2	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Chlordane (technical)	ND		240	52	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
delta-BHC	5.5	J	24	4.4	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Dieldrin	ND		24	5.6	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Endosulfan I	ND		24	4.5	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Endosulfan II	ND		24	4.2	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Endosulfan sulfate	ND		24	4.4	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Endrin	ND		24	4.7	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Endrin aldehyde	ND		24	6.0	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
gamma-BHC (Lindane)	8.7	J	24	4.3	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Heptachlor	ND		24	5.1	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Heptachlor epoxide	6.6	J	24	6.1	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10
Toxaphene	ND		240	140	ug/Kg	☼	06/01/15 13:58	06/02/15 09:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	189	X	32 - 136	06/01/15 13:58	06/02/15 09:10	10
Tetrachloro-m-xylene	1075	X	30 - 124	06/01/15 13:58	06/02/15 09:10	10

Client Sample ID: SO-85121-052915-SM-016

Lab Sample ID: 480-81212-3

Date Collected: 05/29/15 14:30

Matrix: Solid

Date Received: 05/29/15 15:15

Percent Solids: 69.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11	0.80	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,1,1,2-Tetrachloroethane	ND		11	1.8	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,1,2-Trichloroethane	ND		11	1.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,1-Dichloroethane	ND		11	1.3	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,1-Dichloroethene	ND		11	1.3	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2,4-Trichlorobenzene	ND		11	0.67	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2-Dibromo-3-Chloropropane	ND		11	5.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2-Dichlorobenzene	ND		11	0.86	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2-Dichloroethane	ND		11	0.55	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2-Dichloropropane	ND		11	5.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,3-Dichlorobenzene	ND		11	0.57	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,4-Dichlorobenzene	ND		11	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
2-Butanone (MEK)	15	J	55	4.0	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
2-Hexanone	ND		55	5.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
4-Methyl-2-pentanone (MIBK)	ND		55	3.6	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Acetone	72		55	9.3	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Bromodichloromethane	ND		11	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Bromoform	ND		11	5.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Bromomethane	ND		11	0.99	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Carbon disulfide	ND		11	5.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-016

Lab Sample ID: 480-81212-3

Date Collected: 05/29/15 14:30

Matrix: Solid

Date Received: 05/29/15 15:15

Percent Solids: 69.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		11	1.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Chlorobenzene	310		11	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Dibromochloromethane	ND		11	1.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Chloroethane	ND		11	2.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Chloroform	0.74 J		11	0.68	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Chloromethane	ND		11	0.66	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
cis-1,2-Dichloroethene	ND		11	1.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
cis-1,3-Dichloropropene	ND		11	1.6	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Cyclohexane	3.9 J		11	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Dichlorodifluoromethane	ND		11	0.91	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Ethylbenzene	ND		11	0.76	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
1,2-Dibromoethane	ND		11	1.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Isopropylbenzene	ND		11	1.7	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Methyl acetate	ND		11	6.6	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Methyl tert-butyl ether	ND		11	1.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Methylcyclohexane	ND		11	1.7	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Methylene Chloride	19		11	5.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Styrene	ND		11	0.55	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Tetrachloroethene	ND		11	1.5	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
trans-1,2-Dichloroethene	ND		11	1.1	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
trans-1,3-Dichloropropene	ND		11	4.8	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Trichloroethene	ND		11	2.4	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Trichlorofluoromethane	ND		11	1.0	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Vinyl chloride	ND		11	1.3	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1
Xylenes, Total	ND		22	1.8	ug/Kg	☼	05/29/15 15:48	06/01/15 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		71 - 125	05/29/15 15:48	06/01/15 15:43	1
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	05/29/15 15:48	06/01/15 15:43	1
4-Bromofluorobenzene (Surr)	85		72 - 126	05/29/15 15:48	06/01/15 15:43	1
Dibromofluoromethane (Surr)	97		60 - 140	05/29/15 15:48	06/01/15 15:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7500		720	140	ug/Kg	☼	05/29/15 15:49	06/02/15 05:22	4
Toluene	21000		720	190	ug/Kg	☼	05/29/15 15:49	06/02/15 05:22	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		50 - 149	05/29/15 15:49	06/02/15 05:22	4
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	05/29/15 15:49	06/02/15 05:22	4
4-Bromofluorobenzene (Surr)	103		49 - 148	05/29/15 15:49	06/02/15 05:22	4
Dibromofluoromethane (Surr)	95		60 - 140	05/29/15 15:49	06/02/15 05:22	4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	18 J		48	9.3	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
4,4'-DDE	ND		48	10	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
4,4'-DDT	11 J		48	11	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Aldrin	100		48	12	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
alpha-BHC	230 B		48	8.6	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-016

Lab Sample ID: 480-81212-3

Date Collected: 05/29/15 14:30

Matrix: Solid

Date Received: 05/29/15 15:15

Percent Solids: 69.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	180		48	8.6	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Chlordane (technical)	ND		480	110	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
delta-BHC	20 J		48	8.9	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Dieldrin	ND		48	11	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Endosulfan I	ND		48	9.2	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Endosulfan II	ND		48	8.6	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Endosulfan sulfate	ND		48	8.9	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Endrin	ND		48	9.4	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Endrin aldehyde	ND		48	12	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
gamma-BHC (Lindane)	25 J		48	8.8	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Heptachlor	230		48	10	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Heptachlor epoxide	ND		48	12	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20
Toxaphene	ND		480	280	ug/Kg	☼	06/01/15 13:58	06/02/15 09:27	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	124		32 - 136	06/01/15 13:58	06/02/15 09:27	20
Tetrachloro-m-xylene	334 X		30 - 124	06/01/15 13:58	06/02/15 09:27	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-81212-1	SO-85121-052915-SM-014	94	89	102	92
480-81212-2 - DL	SO-85121-052915-SM-015	94	90	103	94
480-81212-3 - DL	SO-85121-052915-SM-016	94	91	103	95
LCS 480-245135/1-A	Lab Control Sample	95	92	105	97
LCSD 480-245135/2-A	Lab Control Sample Dup	94	89	104	94
MB 480-245135/3-A	Method Blank	93	90	102	94

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	12DCE (64-126)	BFB (72-126)	DBFM (60-140)
480-81212-2	SO-85121-052915-SM-015	103	99	106	101
480-81212-3	SO-85121-052915-SM-016	108	92	85	97
LCS 480-245134/1-A	Lab Control Sample	103	104	110	104
LCSD 480-245134/2-A	Lab Control Sample Dup	103	103	111	104
MB 480-245134/3-A	Method Blank	116	110	116	111

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-81212-1	SO-85121-052915-SM-014	0 X	0 X
480-81212-2	SO-85121-052915-SM-015	189 X	1075 X
480-81212-3	SO-85121-052915-SM-016	124	334 X
LCS 480-245501/2-A	Lab Control Sample	86	71
MB 480-245501/1-A	Method Blank	87	67

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-245134/3-A

Matrix: Solid

Analysis Batch: 245421

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 245134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.80	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,1,2-Trichloroethane	ND		5.0	0.64	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,1-Dichloroethane	ND		5.0	0.60	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
2-Hexanone	ND		25	2.5	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Acetone	ND		25	4.2	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Benzene	ND		5.0	0.24	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Bromodichloromethane	ND		5.0	0.66	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Bromoform	ND		5.0	2.5	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Bromomethane	ND		5.0	0.45	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Chlorobenzene	ND		5.0	0.65	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Dibromochloromethane	ND		5.0	0.63	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Chloroethane	ND		5.0	1.1	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Chloroform	ND		5.0	0.31	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Chloromethane	ND		5.0	0.30	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
cis-1,2-Dichloroethene	ND		5.0	0.63	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Cyclohexane	ND		5.0	0.69	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Methyl acetate	ND		5.0	3.0	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Methylcyclohexane	ND		5.0	0.75	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Styrene	ND		5.0	0.25	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Tetrachloroethene	ND		5.0	0.66	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Toluene	ND		5.0	0.37	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Vinyl chloride	ND		5.0	0.60	ug/Kg		05/29/15 10:01	06/01/15 13:59	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		05/29/15 10:01	06/01/15 13:59	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		71 - 125	05/29/15 10:01	06/01/15 13:59	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	05/29/15 10:01	06/01/15 13:59	1
4-Bromofluorobenzene (Surr)	116		72 - 126	05/29/15 10:01	06/01/15 13:59	1
Dibromofluoromethane (Surr)	111		60 - 140	05/29/15 10:01	06/01/15 13:59	1

Lab Sample ID: LCS 480-245134/1-A

Matrix: Solid

Analysis Batch: 245421

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 245134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.9	48.7		ug/Kg		98	73 - 126
1,1-Dichloroethene	49.9	48.3		ug/Kg		97	59 - 125
1,2-Dichlorobenzene	49.9	50.0		ug/Kg		100	75 - 120
1,2-Dichloroethane	49.9	50.3		ug/Kg		101	77 - 122
Benzene	49.9	41.5		ug/Kg		83	79 - 127
Chlorobenzene	49.9	49.6		ug/Kg		99	76 - 124
cis-1,2-Dichloroethene	49.9	49.2		ug/Kg		99	81 - 117
Ethylbenzene	49.9	49.3		ug/Kg		99	80 - 120
Methyl tert-butyl ether	49.9	49.6		ug/Kg		99	63 - 125
Tetrachloroethene	49.9	50.5		ug/Kg		101	74 - 122
Toluene	49.9	45.7		ug/Kg		92	74 - 128
trans-1,2-Dichloroethene	49.9	48.9		ug/Kg		98	78 - 126
Trichloroethene	49.9	48.1		ug/Kg		96	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		71 - 125
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	110		72 - 126
Dibromofluoromethane (Surr)	104		60 - 140

Lab Sample ID: LCSD 480-245134/2-A

Matrix: Solid

Analysis Batch: 245421

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 245134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethane	54.2	47.5		ug/Kg		88	73 - 126	3	20
1,1-Dichloroethene	54.2	47.3		ug/Kg		87	59 - 125	2	20
1,2-Dichlorobenzene	54.2	49.7		ug/Kg		92	75 - 120	1	20
1,2-Dichloroethane	54.2	48.8		ug/Kg		90	77 - 122	3	20
Benzene	54.2	40.8	*	ug/Kg		75	79 - 127	2	20
Chlorobenzene	54.2	48.6		ug/Kg		90	76 - 124	2	20
cis-1,2-Dichloroethene	54.2	48.0		ug/Kg		89	81 - 117	2	20
Ethylbenzene	54.2	48.0		ug/Kg		89	80 - 120	3	20
Methyl tert-butyl ether	54.2	48.6		ug/Kg		90	63 - 125	2	20
Tetrachloroethene	54.2	49.0		ug/Kg		90	74 - 122	3	20
Toluene	54.2	44.5		ug/Kg		82	74 - 128	3	20
trans-1,2-Dichloroethene	54.2	47.1		ug/Kg		87	78 - 126	4	20
Trichloroethene	54.2	46.9		ug/Kg		87	77 - 129	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		71 - 125
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	111		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-245134/2-A

Matrix: Solid

Analysis Batch: 245421

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 245134

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	104		60 - 140

Lab Sample ID: MB 480-245135/3-A

Matrix: Solid

Analysis Batch: 245583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 245135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		98	27	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,1,2,2-Tetrachloroethane	ND		98	16	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,1,2-Trichloroethane	ND		98	21	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,1-Dichloroethane	ND		98	30	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,1-Dichloroethene	ND		98	34	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2,4-Trichlorobenzene	ND		98	37	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2-Dibromo-3-Chloropropane	ND		98	49	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2-Dichlorobenzene	ND		98	25	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2-Dichloroethane	ND		98	40	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2-Dichloropropane	ND		98	16	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,3-Dichlorobenzene	ND		98	26	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,4-Dichlorobenzene	ND		98	14	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
2-Butanone (MEK)	ND		490	290	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
2-Hexanone	ND		490	200	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
4-Methyl-2-pentanone (MIBK)	ND		490	31	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Acetone	ND		490	400	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Benzene	ND		98	19	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Bromodichloromethane	ND		98	20	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Bromoform	ND		98	49	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Bromomethane	ND		98	22	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Carbon disulfide	ND		98	45	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Carbon tetrachloride	ND		98	25	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Chlorobenzene	ND		98	13	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Dibromochloromethane	ND		98	47	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Chloroethane	ND		98	20	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Chloroform	ND		98	67	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Chloromethane	ND		98	23	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
cis-1,2-Dichloroethene	ND		98	27	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
cis-1,3-Dichloropropene	ND		98	23	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Cyclohexane	ND		98	22	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Dichlorodifluoromethane	ND		98	43	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Ethylbenzene	ND		98	28	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
1,2-Dibromoethane	ND		98	17	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Isopropylbenzene	ND		98	15	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Methyl acetate	ND		98	47	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Methyl tert-butyl ether	ND		98	37	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Methylcyclohexane	ND		98	46	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Methylene Chloride	ND		98	19	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Styrene	ND		98	24	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Tetrachloroethene	ND		98	13	ug/Kg		05/29/15 10:02	06/02/15 04:06	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-245135/3-A

Matrix: Solid

Analysis Batch: 245583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 245135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		98	26	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
trans-1,2-Dichloroethene	ND		98	23	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
trans-1,3-Dichloropropene	ND		98	9.6	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Trichloroethene	ND		98	27	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Trichlorofluoromethane	ND		98	46	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Vinyl chloride	ND		98	33	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Xylenes, Total	ND		200	54	ug/Kg		05/29/15 10:02	06/02/15 04:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		50 - 149				05/29/15 10:02	06/02/15 04:06	1
1,2-Dichloroethane-d4 (Surr)	90		53 - 146				05/29/15 10:02	06/02/15 04:06	1
4-Bromofluorobenzene (Surr)	102		49 - 148				05/29/15 10:02	06/02/15 04:06	1
Dibromofluoromethane (Surr)	94		60 - 140				05/29/15 10:02	06/02/15 04:06	1

Lab Sample ID: LCS 480-245135/1-A

Matrix: Solid

Analysis Batch: 245583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 245135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	2490	2660		ug/Kg		107	78 - 121
1,1-Dichloroethene	2490	2640		ug/Kg		106	48 - 133
1,2-Dichlorobenzene	2490	2580		ug/Kg		104	78 - 125
1,2-Dichloroethane	2490	2490		ug/Kg		100	74 - 127
Benzene	2490	2670		ug/Kg		107	77 - 125
Chlorobenzene	2490	2500		ug/Kg		100	76 - 126
cis-1,2-Dichloroethene	2490	2610		ug/Kg		105	79 - 124
Ethylbenzene	2490	2470		ug/Kg		99	78 - 124
Methyl tert-butyl ether	2490	2450		ug/Kg		99	67 - 137
Tetrachloroethene	2490	2660		ug/Kg		107	73 - 133
Toluene	2490	2480		ug/Kg		99	75 - 124
trans-1,2-Dichloroethene	2490	2670		ug/Kg		107	74 - 129
Trichloroethene	2490	2630		ug/Kg		106	75 - 131
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	95		50 - 149				
1,2-Dichloroethane-d4 (Surr)	92		53 - 146				
4-Bromofluorobenzene (Surr)	105		49 - 148				
Dibromofluoromethane (Surr)	97		60 - 140				

Lab Sample ID: LCSD 480-245135/2-A

Matrix: Solid

Analysis Batch: 245583

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 245135

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethane	2500	2630		ug/Kg		106	78 - 121	1	20
1,1-Dichloroethene	2500	2580		ug/Kg		103	48 - 133	3	20
1,2-Dichlorobenzene	2500	2550		ug/Kg		102	78 - 125	1	20
1,2-Dichloroethane	2500	2410		ug/Kg		97	74 - 127	3	20

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-245135/2-A

Matrix: Solid

Analysis Batch: 245583

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 245135

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	2500	2580		ug/Kg		103	77 - 125	4	20
Chlorobenzene	2500	2490		ug/Kg		100	76 - 126	0	20
cis-1,2-Dichloroethene	2500	2550		ug/Kg		102	79 - 124	2	20
Ethylbenzene	2500	2490		ug/Kg		100	78 - 124	1	20
Methyl tert-butyl ether	2500	2400		ug/Kg		96	67 - 137	2	20
Tetrachloroethene	2500	2680		ug/Kg		107	73 - 133	1	20
Toluene	2500	2520		ug/Kg		101	75 - 124	2	20
trans-1,2-Dichloroethene	2500	2660		ug/Kg		106	74 - 129	1	20
Trichloroethene	2500	2630		ug/Kg		106	75 - 131	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	94		50 - 149
1,2-Dichloroethane-d4 (Surr)	89		53 - 146
4-Bromofluorobenzene (Surr)	104		49 - 148
Dibromofluoromethane (Surr)	94		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-245501/1-A

Matrix: Solid

Analysis Batch: 245615

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 245501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Aldrin	ND		1.6	0.40	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
alpha-BHC	0.364	J	1.6	0.29	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
beta-BHC	ND		1.6	0.29	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Chlordane (technical)	ND		16	3.6	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
delta-BHC	ND		1.6	0.30	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Dieldrin	ND		1.6	0.39	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Endosulfan I	ND		1.6	0.31	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Endosulfan II	ND		1.6	0.29	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Endrin	ND		1.6	0.32	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Heptachlor	ND		1.6	0.35	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		06/01/15 13:58	06/02/15 08:07	1
Toxaphene	ND		16	9.5	ug/Kg		06/01/15 13:58	06/02/15 08:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		32 - 136	06/01/15 13:58	06/02/15 08:07	1
Tetrachloro-m-xylene	67		30 - 124	06/01/15 13:58	06/02/15 08:07	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

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

Lab Sample ID: LCS 480-245501/2-A

Matrix: Solid

Analysis Batch: 245615

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 245501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.5	13.2		ug/Kg		80	52 - 138
4,4'-DDE	16.5	13.4		ug/Kg		81	52 - 131
4,4'-DDT	16.5	11.9		ug/Kg		72	50 - 131
Aldrin	16.5	11.1		ug/Kg		67	35 - 120
alpha-BHC	16.5	11.7		ug/Kg		71	49 - 120
beta-BHC	16.5	10.7		ug/Kg		65	52 - 127
delta-BHC	16.5	10.8		ug/Kg		65	45 - 123
Dieldrin	16.5	13.4		ug/Kg		81	50 - 131
Endosulfan I	16.5	13.3		ug/Kg		80	43 - 121
Endosulfan II	16.5	12.7		ug/Kg		77	48 - 134
Endosulfan sulfate	16.5	11.9		ug/Kg		72	46 - 144
Endrin	16.5	13.9		ug/Kg		84	46 - 134
Endrin aldehyde	16.5	7.60		ug/Kg		46	31 - 137
gamma-BHC (Lindane)	16.5	11.3		ug/Kg		68	50 - 120
Heptachlor	16.5	12.2		ug/Kg		74	51 - 121
Heptachlor epoxide	16.5	13.2		ug/Kg		80	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	86		32 - 136
Tetrachloro-m-xylene	71		30 - 124

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

GC/MS VOA

Prep Batch: 245134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-2	SO-85121-052915-SM-015	Total/NA	Solid	5035A	
480-81212-3	SO-85121-052915-SM-016	Total/NA	Solid	5035A	
LCS 480-245134/1-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 480-245134/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
MB 480-245134/3-A	Method Blank	Total/NA	Solid	5035A	

Prep Batch: 245135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-1	SO-85121-052915-SM-014	Total/NA	Solid	5035A	
480-81212-2 - DL	SO-85121-052915-SM-015	Total/NA	Solid	5035A	
480-81212-3 - DL	SO-85121-052915-SM-016	Total/NA	Solid	5035A	
LCS 480-245135/1-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 480-245135/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
MB 480-245135/3-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 245421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-2	SO-85121-052915-SM-015	Total/NA	Solid	8260C	245134
480-81212-3	SO-85121-052915-SM-016	Total/NA	Solid	8260C	245134
LCS 480-245134/1-A	Lab Control Sample	Total/NA	Solid	8260C	245134
LCSD 480-245134/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	245134
MB 480-245134/3-A	Method Blank	Total/NA	Solid	8260C	245134

Analysis Batch: 245583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-1	SO-85121-052915-SM-014	Total/NA	Solid	8260C	245135
480-81212-2 - DL	SO-85121-052915-SM-015	Total/NA	Solid	8260C	245135
480-81212-3 - DL	SO-85121-052915-SM-016	Total/NA	Solid	8260C	245135
LCS 480-245135/1-A	Lab Control Sample	Total/NA	Solid	8260C	245135
LCSD 480-245135/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	245135
MB 480-245135/3-A	Method Blank	Total/NA	Solid	8260C	245135

GC Semi VOA

Prep Batch: 245501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-1	SO-85121-052915-SM-014	Total/NA	Solid	3550C	
480-81212-2	SO-85121-052915-SM-015	Total/NA	Solid	3550C	
480-81212-3	SO-85121-052915-SM-016	Total/NA	Solid	3550C	
LCS 480-245501/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-245501/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 245615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-1	SO-85121-052915-SM-014	Total/NA	Solid	8081B	245501
480-81212-2	SO-85121-052915-SM-015	Total/NA	Solid	8081B	245501
480-81212-3	SO-85121-052915-SM-016	Total/NA	Solid	8081B	245501
LCS 480-245501/2-A	Lab Control Sample	Total/NA	Solid	8081B	245501
MB 480-245501/1-A	Method Blank	Total/NA	Solid	8081B	245501

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

General Chemistry

Analysis Batch: 245262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81212-1	SO-85121-052915-SM-014	Total/NA	Solid	Moisture	
480-81212-2	SO-85121-052915-SM-015	Total/NA	Solid	Moisture	
480-81212-3	SO-85121-052915-SM-016	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Client Sample ID: SO-85121-052915-SM-014

Date Collected: 05/29/15 14:00

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-1

Matrix: Solid

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			245135	05/29/15 15:49	RAS	TAL BUF
Total/NA	Analysis	8260C		200	245583	06/02/15 04:30	SWO	TAL BUF
Total/NA	Prep	3550C			245501	06/01/15 13:58	CPH	TAL BUF
Total/NA	Analysis	8081B		20000	245615	06/02/15 08:44	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	245262	05/29/15 20:30	MJH	TAL BUF

Client Sample ID: SO-85121-052915-SM-015

Date Collected: 05/29/15 14:15

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-2

Matrix: Solid

Percent Solids: 69.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			245134	05/29/15 15:48	RAS	TAL BUF
Total/NA	Analysis	8260C		1	245421	06/01/15 15:17	CDC	TAL BUF
Total/NA	Prep	5035A	DL		245135	05/29/15 15:49	RAS	TAL BUF
Total/NA	Analysis	8260C	DL	2	245583	06/02/15 04:54	SWO	TAL BUF
Total/NA	Prep	3550C			245501	06/01/15 13:58	CPH	TAL BUF
Total/NA	Analysis	8081B		10	245615	06/02/15 09:10	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	245262	05/29/15 20:30	MJH	TAL BUF

Client Sample ID: SO-85121-052915-SM-016

Date Collected: 05/29/15 14:30

Date Received: 05/29/15 15:15

Lab Sample ID: 480-81212-3

Matrix: Solid

Percent Solids: 69.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			245134	05/29/15 15:48	RAS	TAL BUF
Total/NA	Analysis	8260C		1	245421	06/01/15 15:43	CDC	TAL BUF
Total/NA	Prep	5035A	DL		245135	05/29/15 15:49	RAS	TAL BUF
Total/NA	Analysis	8260C	DL	4	245583	06/02/15 05:22	SWO	TAL BUF
Total/NA	Prep	3550C			245501	06/01/15 13:58	CPH	TAL BUF
Total/NA	Analysis	8081B		20	245615	06/02/15 09:27	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	245262	05/29/15 20:30	MJH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81212-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-81212-1	SO-85121-052915-SM-014	Solid	05/29/15 14:00	05/29/15 15:15
480-81212-2	SO-85121-052915-SM-015	Solid	05/29/15 14:15	05/29/15 15:15
480-81212-3	SO-85121-052915-SM-016	Solid	05/29/15 14:30	05/29/15 15:15



**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN OF CUSTODY RECORD

COC NO.: 48114

Address: _____
Phone: _____ Fax: _____

PAGE 1 OF 15
(See Reverse Side for Instructions)

Project No/Phase/Task Code: 85121 - D41101 - 403		Laboratory Name: Test America, Inc.		Lab Location: Amherst, NY		SSOW ID: ENV2GH-402 - D03-	
Project Name: Nash Rd Landfill		Lab Contact: Melissa Deyo		Lab Quote No:		Cooler No: 2100	
Project Location: Wheatsfield, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: Paul Memehon		DATE (mm/dd/yyyy)		TIME (hh:mm)		Carrier:	
Sampler(s): Shaun McEvoy		Matrix Code (see back of COC)		Grab (G) or Comp (C)		Unpreserved	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE		TIME		Hydrochloric Acid (HCl)	
1 SO - 85121 - 052915 - SM - 014		5/29/15		1400		Nitric Acid (HNO ₃)	
2 SO - 85121 - 052915 - SM - 015		5/29/15		1415		Sulfuric Acid (H ₂ SO ₄)	
3 SO - 85121 - 052915 - SM - 016		5/29/15		1430		Sodium Hydroxide (NaOH)	
4						Methanol/Water (Soil VOC)	
5						EnCores 3x5-g, 1x25-g	
6						Other:	
7						Total Containers/Sample	
8						PPL Pesticides	
9						PPL VOCs	
10						SW SO35	
11						MS/MSD Request	
12						COMMENTS/ SPECIAL INSTRUCTIONS:	
13						Date Shipped:	
14						Airbill No:	
15						Carrier:	
16						Airbill No:	
17						Date Shipped:	
18						Carrier:	
19						Airbill No:	
20						Date Shipped:	
21						Carrier:	
22						Airbill No:	
23						Date Shipped:	
24						Carrier:	
25						Airbill No:	
26						Date Shipped:	
27						Carrier:	
28						Airbill No:	
29						Date Shipped:	
30						Carrier:	
31						Airbill No:	
32						Date Shipped:	
33						Carrier:	
34						Airbill No:	
35						Date Shipped:	
36						Carrier:	
37						Airbill No:	
38						Date Shipped:	
39						Carrier:	
40						Airbill No:	
41						Date Shipped:	
42						Carrier:	
43						Airbill No:	
44						Date Shipped:	
45						Carrier:	
46						Airbill No:	
47						Date Shipped:	
48						Carrier:	
49						Airbill No:	
50						Date Shipped:	
51						Carrier:	
52						Airbill No:	
53						Date Shipped:	
54						Carrier:	
55						Airbill No:	
56						Date Shipped:	
57						Carrier:	
58						Airbill No:	
59						Date Shipped:	
60						Carrier:	
61						Airbill No:	
62						Date Shipped:	
63						Carrier:	
64						Airbill No:	
65						Date Shipped:	
66						Carrier:	
67						Airbill No:	
68						Date Shipped:	
69						Carrier:	
70						Airbill No:	
71						Date Shipped:	
72						Carrier:	
73						Airbill No:	
74						Date Shipped:	
75						Carrier:	
76						Airbill No:	
77						Date Shipped:	
78						Carrier:	
79						Airbill No:	
80						Date Shipped:	
81						Carrier:	
82						Airbill No:	
83						Date Shipped:	
84						Carrier:	
85						Airbill No:	
86						Date Shipped:	
87						Carrier:	
88						Airbill No:	
89						Date Shipped:	
90						Carrier:	
91						Airbill No:	
92						Date Shipped:	
93						Carrier:	
94						Airbill No:	
95						Date Shipped:	
96						Carrier:	
97						Airbill No:	
98						Date Shipped:	
99						Carrier:	
100						Airbill No:	



480-81212 Chain of Custody

Any questions
call Paul
Memehon
297-6150

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

Total Number of Containers: 12
All Samples in Cooler must be on COC

Notes/ Special Requirements:
Temp 41°F H1 ICE

RELINQUISHED BY:

COMPANY:

DATE:

TIME:

RECEIVED BY:

COMPANY:

DATE:

TIME:

1. Shaun McEvoy

CRA

5/29/15 1450

1. Shaun McEvoy

CRA

5/29/15 1450

2. Shaun McEvoy

CRA

5/29/15 1515

2. Shaun McEvoy

CRA

5/29/15 1515

3. Shaun McEvoy

CRA

5/29/15 1515

3. Shaun McEvoy

CRA

5/29/15 1515

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-81212-1

Login Number: 81212

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	cra
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-81476-1

Client Project/Site: 85121DM, Nash Road Landfill Site

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

6/5/2015 5:09:47 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



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www.testamericainc.com

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: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Job ID: 480-81476-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-81476-1

Receipt

The sample was received on 6/3/2015 2:59 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-246348 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. SO-85121-060315-SM-017 (480-81476-1)

Method(s) 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SO-85121-060315-SM-017 (480-81476-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SO-85121-060315-SM-017 (480-81476-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: Tetrachloro-m-xylene surrogate recovery for the following sample was outside control limits: SO-85121-060315-SM-017 (480-81476-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following sample required a Florisil clean-up, via 3620C, to reduce matrix interferences: SO-85121-060315-SM-017 (480-81476-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Client Sample ID: SO-85121-060315-SM-017

Lab Sample ID: 480-81476-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	8400		290	55	ug/Kg	2		✱	8260C	Total/NA
Chlorobenzene	1300		290	38	ug/Kg	2		✱	8260C	Total/NA
Toluene	16000		290	77	ug/Kg	2		✱	8260C	Total/NA
Aldrin	1.2	J	4.3	1.1	ug/Kg	2		✱	8081B	Total/NA
alpha-BHC	10		4.3	0.77	ug/Kg	2		✱	8081B	Total/NA
beta-BHC	2.3	J	4.3	0.77	ug/Kg	2		✱	8081B	Total/NA
gamma-BHC (Lindane)	2.0	J	4.3	0.79	ug/Kg	2		✱	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Client Sample ID: SO-85121-060315-SM-017

Lab Sample ID: 480-81476-1

Date Collected: 06/03/15 12:30

Matrix: Solid

Date Received: 06/03/15 14:59

Percent Solids: 76.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		290	80	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,1,2,2-Tetrachloroethane	ND		290	47	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,1,2-Trichloroethane	ND		290	60	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		290	140	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,1-Dichloroethane	ND		290	89	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,1-Dichloroethene	ND		290	99	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2,4-Trichlorobenzene	ND		290	110	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2-Dibromo-3-Chloropropane	ND		290	140	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2-Dichlorobenzene	ND		290	73	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2-Dichloroethane	ND		290	120	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2-Dichloropropane	ND		290	47	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,3-Dichlorobenzene	ND		290	77	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,4-Dichlorobenzene	ND		290	40	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
2-Butanone (MEK)	ND		1400	850	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
2-Hexanone	ND		1400	590	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
4-Methyl-2-pentanone (MIBK)	ND		1400	92	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Acetone	ND		1400	1200	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Benzene	8400		290	55	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Bromodichloromethane	ND		290	57	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Bromoform	ND		290	140	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Bromomethane	ND		290	63	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Carbon disulfide	ND		290	130	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Carbon tetrachloride	ND		290	73	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Chlorobenzene	1300		290	38	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Dibromochloromethane	ND		290	140	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Chloroethane	ND		290	60	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Chloroform	ND		290	200	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Chloromethane	ND		290	68	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
cis-1,2-Dichloroethene	ND		290	79	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
cis-1,3-Dichloropropene	ND		290	69	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Cyclohexane	ND		290	64	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Dichlorodifluoromethane	ND		290	130	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Ethylbenzene	ND		290	84	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
1,2-Dibromoethane	ND		290	50	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Isopropylbenzene	ND		290	43	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Methyl acetate	ND		290	140	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Methyl tert-butyl ether	ND		290	110	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Methylcyclohexane	ND		290	130	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Methylene Chloride	ND		290	57	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Styrene	ND		290	69	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Tetrachloroethene	ND		290	39	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Toluene	16000		290	77	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
trans-1,2-Dichloroethene	ND		290	68	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
trans-1,3-Dichloropropene	ND		290	28	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Trichloroethene	ND		290	80	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Trichlorofluoromethane	ND		290	130	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Vinyl chloride	ND		290	96	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2
Xylenes, Total	ND		570	160	ug/Kg	☼	06/03/15 15:42	06/05/15 05:53	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Client Sample ID: SO-85121-060315-SM-017

Lab Sample ID: 480-81476-1

Date Collected: 06/03/15 12:30

Matrix: Solid

Date Received: 06/03/15 14:59

Percent Solids: 76.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		50 - 149	06/03/15 15:42	06/05/15 05:53	2
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/03/15 15:42	06/05/15 05:53	2
4-Bromofluorobenzene (Surr)	101		49 - 148	06/03/15 15:42	06/05/15 05:53	2
Dibromofluoromethane (Surr)	101		60 - 140	06/03/15 15:42	06/05/15 05:53	2

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.3	0.84	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
4,4'-DDE	ND		4.3	0.90	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
4,4'-DDT	ND		4.3	1.0	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Aldrin	1.2	J	4.3	1.1	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
alpha-BHC	10		4.3	0.77	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
beta-BHC	2.3	J	4.3	0.77	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Chlordane (technical)	ND		43	9.6	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
delta-BHC	ND		4.3	0.80	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Dieldrin	ND		4.3	1.0	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Endosulfan I	ND		4.3	0.83	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Endosulfan II	ND		4.3	0.77	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Endosulfan sulfate	ND		4.3	0.80	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Endrin	ND		4.3	0.85	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Endrin aldehyde	ND		4.3	1.1	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
gamma-BHC (Lindane)	2.0	J	4.3	0.79	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Heptachlor	ND		4.3	0.93	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Heptachlor epoxide	ND		4.3	1.1	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2
Toxaphene	ND		43	25	ug/Kg	☼	06/04/15 15:05	06/05/15 13:35	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		32 - 136	06/04/15 15:05	06/05/15 13:35	2
Tetrachloro-m-xylene	193	X	30 - 124	06/04/15 15:05	06/05/15 13:35	2

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-81476-1	SO-85121-060315-SM-017	95	95	101	101
LCS 480-246024/1-A	Lab Control Sample	95	98	103	104
MB 480-246024/2-A	Method Blank	98	96	103	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (32-136)	TCX2 (30-124)
480-81476-1	SO-85121-060315-SM-017	75	193 X
LCS 480-246288/2-A	Lab Control Sample	84	66
MB 480-246288/1-A	Method Blank	88	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-246024/2-A

Matrix: Solid

Analysis Batch: 246348

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		99	28	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,1,2,2-Tetrachloroethane	ND		99	16	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,1,2-Trichloroethane	ND		99	21	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		99	50	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,1-Dichloroethane	ND		99	31	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,1-Dichloroethene	ND		99	34	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2,4-Trichlorobenzene	ND		99	38	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2-Dibromo-3-Chloropropane	ND		99	50	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2-Dichlorobenzene	ND		99	25	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2-Dichloroethane	ND		99	41	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2-Dichloropropane	ND		99	16	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,3-Dichlorobenzene	ND		99	27	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,4-Dichlorobenzene	ND		99	14	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
2-Butanone (MEK)	ND		500	300	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
2-Hexanone	ND		500	200	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Acetone	ND		500	410	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Benzene	ND		99	19	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Bromodichloromethane	ND		99	20	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Bromoform	ND		99	50	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Bromomethane	ND		99	22	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Carbon disulfide	ND		99	45	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Carbon tetrachloride	ND		99	25	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Chlorobenzene	ND		99	13	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Dibromochloromethane	ND		99	48	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Chloroethane	ND		99	21	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Chloroform	ND		99	68	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Chloromethane	ND		99	24	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
cis-1,2-Dichloroethene	ND		99	27	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
cis-1,3-Dichloropropene	ND		99	24	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Cyclohexane	ND		99	22	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Dichlorodifluoromethane	ND		99	43	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Ethylbenzene	ND		99	29	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
1,2-Dibromoethane	ND		99	17	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Isopropylbenzene	ND		99	15	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Methyl acetate	ND		99	47	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Methyl tert-butyl ether	ND		99	38	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Methylcyclohexane	ND		99	47	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Methylene Chloride	ND		99	20	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Styrene	ND		99	24	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Tetrachloroethene	ND		99	13	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Toluene	ND		99	27	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
trans-1,2-Dichloroethene	ND		99	23	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
trans-1,3-Dichloropropene	ND		99	9.8	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Trichloroethene	ND		99	28	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Trichlorofluoromethane	ND		99	47	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Vinyl chloride	ND		99	33	ug/Kg		06/03/15 14:55	06/05/15 04:41	1
Xylenes, Total	ND		200	55	ug/Kg		06/03/15 14:55	06/05/15 04:41	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-246024/2-A

Matrix: Solid

Analysis Batch: 246348

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246024

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 149	06/03/15 14:55	06/05/15 04:41	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/03/15 14:55	06/05/15 04:41	1
4-Bromofluorobenzene (Surr)	103		49 - 148	06/03/15 14:55	06/05/15 04:41	1
Dibromofluoromethane (Surr)	99		60 - 140	06/03/15 14:55	06/05/15 04:41	1

Lab Sample ID: LCS 480-246024/1-A

Matrix: Solid

Analysis Batch: 246348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2450	2570		ug/Kg		105	78 - 121
1,1-Dichloroethene	2450	2570		ug/Kg		105	48 - 133
1,2-Dichlorobenzene	2450	2400		ug/Kg		98	78 - 125
1,2-Dichloroethane	2450	2400		ug/Kg		98	74 - 127
Benzene	2450	2540		ug/Kg		104	77 - 125
Chlorobenzene	2450	2400		ug/Kg		98	76 - 126
cis-1,2-Dichloroethene	2450	2510		ug/Kg		102	79 - 124
Ethylbenzene	2450	2330		ug/Kg		95	78 - 124
Methyl tert-butyl ether	2450	2350		ug/Kg		96	67 - 137
Tetrachloroethene	2450	2540		ug/Kg		104	73 - 133
Toluene	2450	2330		ug/Kg		95	75 - 124
trans-1,2-Dichloroethene	2450	2640		ug/Kg		108	74 - 129
Trichloroethene	2450	2540		ug/Kg		104	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		50 - 149
1,2-Dichloroethane-d4 (Surr)	98		53 - 146
4-Bromofluorobenzene (Surr)	103		49 - 148
Dibromofluoromethane (Surr)	104		60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-246288/1-A

Matrix: Solid

Analysis Batch: 246488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Aldrin	ND		1.7	0.41	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
alpha-BHC	ND		1.7	0.30	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
beta-BHC	ND		1.7	0.30	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Chlordane (technical)	ND		1.7	3.7	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
delta-BHC	ND		1.7	0.31	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Dieldrin	ND		1.7	0.40	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Endosulfan I	ND		1.7	0.32	ug/Kg		06/04/15 15:01	06/05/15 12:58	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

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

Lab Sample ID: MB 480-246288/1-A

Matrix: Solid

Analysis Batch: 246488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.7	0.30	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Endrin	ND		1.7	0.33	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Heptachlor	ND		1.7	0.36	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		06/04/15 15:01	06/05/15 12:58	1
Toxaphene	ND		17	9.6	ug/Kg		06/04/15 15:01	06/05/15 12:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		32 - 136	06/04/15 15:01	06/05/15 12:58	1
Tetrachloro-m-xylene	71		30 - 124	06/04/15 15:01	06/05/15 12:58	1

Lab Sample ID: LCS 480-246288/2-A

Matrix: Solid

Analysis Batch: 246488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	14.0		ug/Kg		85	52 - 138
4,4'-DDE	16.5	13.6		ug/Kg		83	52 - 131
4,4'-DDT	16.5	12.7		ug/Kg		77	50 - 131
Aldrin	16.5	11.3		ug/Kg		69	35 - 120
alpha-BHC	16.5	11.5		ug/Kg		70	49 - 120
beta-BHC	16.5	10.9		ug/Kg		66	52 - 127
delta-BHC	16.5	11.8		ug/Kg		72	45 - 123
Dieldrin	16.5	13.3		ug/Kg		80	50 - 131
Endosulfan I	16.5	11.9		ug/Kg		72	43 - 121
Endosulfan II	16.5	14.3		ug/Kg		87	48 - 134
Endosulfan sulfate	16.5	13.7		ug/Kg		83	46 - 144
Endrin	16.5	15.3		ug/Kg		93	46 - 134
Endrin aldehyde	16.5	14.0		ug/Kg		85	31 - 137
gamma-BHC (Lindane)	16.5	11.3		ug/Kg		69	50 - 120
Heptachlor	16.5	13.2		ug/Kg		80	51 - 121
Heptachlor epoxide	16.5	12.8		ug/Kg		77	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	84		32 - 136
Tetrachloro-m-xylene	66		30 - 124

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

GC/MS VOA

Prep Batch: 246024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81476-1	SO-85121-060315-SM-017	Total/NA	Solid	5035A	
LCS 480-246024/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-246024/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 246348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81476-1	SO-85121-060315-SM-017	Total/NA	Solid	8260C	246024
LCS 480-246024/1-A	Lab Control Sample	Total/NA	Solid	8260C	246024
MB 480-246024/2-A	Method Blank	Total/NA	Solid	8260C	246024

GC Semi VOA

Prep Batch: 246288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81476-1	SO-85121-060315-SM-017	Total/NA	Solid	3550C	
LCS 480-246288/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-246288/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 246488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81476-1	SO-85121-060315-SM-017	Total/NA	Solid	8081B	246288
LCS 480-246288/2-A	Lab Control Sample	Total/NA	Solid	8081B	246288
MB 480-246288/1-A	Method Blank	Total/NA	Solid	8081B	246288

General Chemistry

Analysis Batch: 246106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-81476-1	SO-85121-060315-SM-017	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Client Sample ID: SO-85121-060315-SM-017

Lab Sample ID: 480-81476-1

Date Collected: 06/03/15 12:30

Matrix: Solid

Date Received: 06/03/15 14:59

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			246024	06/03/15 15:42	RAS	TAL BUF
Total/NA	Analysis	8260C		2	246348	06/05/15 05:53	SWO	TAL BUF
Total/NA	Prep	3550C			246288	06/04/15 15:05	GVF	TAL BUF
Total/NA	Analysis	8081B		2	246488	06/05/15 13:35	MAN	TAL BUF
Total/NA	Analysis	Moisture		1	246106	06/04/15 06:44	CSW	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

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 BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 85121DM, Nash Road Landfill Site

TestAmerica Job ID: 480-81476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-81476-1	SO-85121-060315-SM-017	Solid	06/03/15 12:30	06/03/15 14:59

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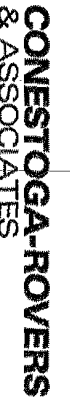
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CHAIN OF CUSTODY RECORD

COC NO: 48115

Fax:

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 65121-071101-403		Laboratory Name: Test America, Inc.		Lab Location: Amherst, NY		SSOW ID: EW104-402-003-2100	
Project Name: Nash Rd. Landfill		Lab Contact: Melisse Dey		Lab Quote No:		Cooler No:	
Project Location: Wheatfield, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: Paul McMahon		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Sampler(s): Shawn McEvoy		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
SAMPLE IDENTIFICATION (Containers for each sample may be counted on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		Matrix Code (see back of COC)	
1 SC-85121-060315-SM-017		6/3/15		1230		SO G-1	
2						Unpreserved	
3						Hydrochloric Acid (HCl)	
4						Nitric Acid (HNO ₃)	
5						Sulfuric Acid (H ₂ SO ₄)	
6						Sodium Hydroxide (NaOH)	
7						Methanol/Water (Soil VOC)	
8						EnCores 3x5-g, 1x25-g	
9						Other:	
10						Total Containers/Sample	
11						PPL Pesticides	
12						PPL VOCs	
13						SW SOCS	
14						MS/MSD Request	
15						COMMENTS/ SPECIAL INSTRUCTIONS:	
16						Carrier:	
17						Airbill No:	
18						Date Shipped:	
19						2 day TAT	
20						Any questions, call Paul McMahon	
21						297-6150	
22							
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CRA Form: COC-10B (20110804)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-81476-1

Login Number: 81476

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	conestoga rovers assoc.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	