TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Tel: (716)691-2600

TestAmerica Job ID: 480-119694-1
Client Project/Site: Patton's Busy Bee Disposal #902014

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Brian Sadowski

Authorized for release by:
6/30/2017 6:07:36 PM

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Orlette Johnson
Senior Project Manager
6/30/2017 6:07:36 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

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/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
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.

Metals

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

General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-119694-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-119694-1

Receipt
The samples were received on 6/16/2017 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 490-439915 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-362859 and analytical batch 480-363411 recovered outside control limits for the following analytes: 4-Nitroaniline, Carbazole and Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: BB-T1 (480-119694-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) recovered within acceptable limits for these analytes and have been qualified with an "E" flag. (LCS 480-362859/2-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 samples were diluted due to the nature of the sample matrix: BB-T1 (480-119694-1). As such, surrogate recoveries are below the calibration range,estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8082A: Surrogate recovery for the following samples was outside control limits: BB-T1 (480-119694-1). 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.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-363350/17) contained Total Manganese outside the control limits. All reported samples (LCSD 480-362728/3-A) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

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

General Chemistry
Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BB-T1 (480-119694-1).

Method(s) Distill/Ammonia: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: BB-T1 (480-119694-1). 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.

Job ID: 480-119694-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

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

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: BB-T1
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-1
Matrix: Water

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	0.19	ug/L			06/24/17 08:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/24/17 08:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			06/24/17 08:51	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/24/17 08:51	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/24/17 08:51	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/24/17 08:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/24/17 08:51	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/24/17 08:51	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/24/17 08:51	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/24/17 08:51	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			06/24/17 08:51	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/24/17 08:51	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/24/17 08:51	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/24/17 08:51	1
2-Hexanone	ND		10	1.3	ug/L			06/24/17 08:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/24/17 08:51	1
Acetone	**28**		25	2.7	ug/L			06/24/17 08:51	1
Benzene	**0.37**	**J**	1.0	0.20	ug/L			06/24/17 08:51	1
Bromoform	ND		1.0	0.29	ug/L			06/24/17 08:51	1
Bromomethane	ND		1.0	0.35	ug/L			06/24/17 08:51	1
Carbon disulfide	ND		1.0	0.22	ug/L			06/24/17 08:51	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/24/17 08:51	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/24/17 08:51	1
Dibromochloromethane	ND		1.0	0.25	ug/L			06/24/17 08:51	1
Chloroethane	ND		1.0	0.36	ug/L			06/24/17 08:51	1
Chloroform	ND		1.0	0.23	ug/L			06/24/17 08:51	1
Chloromethane	ND		1.0	0.36	ug/L			06/24/17 08:51	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			06/24/17 08:51	1
Cyclohexane	ND		5.0	0.13	ug/L			06/24/17 08:51	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/24/17 08:51	1
Dichlorodifluoromethane	ND	*	1.0	0.17	ug/L			06/24/17 08:51	1
Ethylbenzene	**0.62**	**J**	1.0	0.19	ug/L			06/24/17 08:51	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			06/24/17 08:51	1
Isopropylbenzene	**0.36**	**J**	1.0	0.33	ug/L			06/24/17 08:51	1
Methyl acetate	ND		10	0.58	ug/L			06/24/17 08:51	1
Methyl tert-butyl ether	**1.6**		1.0	0.17	ug/L			06/24/17 08:51	1
Methylcyclohexane	ND		5.0	0.090	ug/L			06/24/17 08:51	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/24/17 08:51	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/24/17 08:51	1
Toluene	**1.4**		1.0	0.17	ug/L			06/24/17 08:51	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/24/17 08:51	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 08:51	1
Trichloroethene	ND		1.0	0.20	ug/L			06/24/17 08:51	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/24/17 08:51	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/24/17 08:51	1
Xylenes, Total	**1.2**	**J**	3.0	0.58	ug/L			06/24/17 08:51	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 08:51	1
Styrene	ND		1.0	0.28	ug/L			06/24/17 08:51	1

Client Sample ID: BB-T1
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/24/17 08:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/24/17 08:51*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/24/17 08:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		50	6.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
bis (2-chloroisopropyl) ether	ND		50	5.2	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4,5-Trichlorophenol	ND		50	4.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4,6-Trichlorophenol	ND		50	6.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4-Dichlorophenol	ND		50	5.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4-Dimethylphenol	ND		50	5.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4-Dinitrophenol	ND		100	22	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,4-Dinitrotoluene	ND		50	4.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
2,6-Dinitrotoluene	ND		50	4.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Chloronaphthalene	ND		50	4.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Chlorophenol	ND		50	5.3	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Methylnaphthalene	ND		50	6.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Methylphenol	ND		50	4.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Nitroaniline	ND		100	4.2	ug/L		06/20/17 07:55	06/23/17 04:57	10
2-Nitrophenol	ND		50	4.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
3,3'-Dichlorobenzidine	ND		50	4.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
3-Nitroaniline	ND		100	4.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
4,6-Dinitro-2-methylphenol	ND		100	22	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Bromophenyl phenyl ether	ND		50	4.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Chloro-3-methylphenol	ND		50	4.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Chloroaniline	ND		50	5.9	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Chlorophenyl phenyl ether	ND		50	3.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Methylphenol	ND		100	3.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Nitroaniline	ND	*	100	2.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
4-Nitrophenol	ND		100	15	ug/L		06/20/17 07:55	06/23/17 04:57	10
Acenaphthene	ND		50	4.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
Acenaphthylene	ND		50	3.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
Acetophenone	ND		50	5.4	ug/L		06/20/17 07:55	06/23/17 04:57	10
Anthracene	ND		50	2.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
Atrazine	ND	*	50	4.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzaldehyde	ND		50	2.7	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzo(a)anthracene	ND		50	3.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzo(a)pyrene	ND		50	4.7	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzo(b)fluoranthene	ND		50	3.4	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzo(g,h,i)perylene	ND		50	3.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
Benzo(k)fluoranthene	ND		50	7.3	ug/L		06/20/17 07:55	06/23/17 04:57	10
Bis(2-chloroethoxy)methane	ND		50	3.5	ug/L		06/20/17 07:55	06/23/17 04:57	10
Bis(2-chloroethyl)ether	ND		50	4.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
Bis(2-ethylhexyl) phthalate	ND		50	22	ug/L		06/20/17 07:55	06/23/17 04:57	10
Butyl benzyl phthalate	ND		50	10	ug/L		06/20/17 07:55	06/23/17 04:57	10
Caprolactam	ND		50	22	ug/L		06/20/17 07:55	06/23/17 04:57	10
Carbazole	ND	*	50	3.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
Chrysene	ND		50	3.3	ug/L		06/20/17 07:55	06/23/17 04:57	10
Di-n-butyl phthalate	ND		50	3.1	ug/L		06/20/17 07:55	06/23/17 04:57	10

Client Sample ID: BB-T1
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		50	4.7	ug/L		06/20/17 07:55	06/23/17 04:57	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		06/20/17 07:55	06/23/17 04:57	10
Dibenzofuran	ND		100	5.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
Diethyl phthalate	ND		50	2.2	ug/L		06/20/17 07:55	06/23/17 04:57	10
Dimethyl phthalate	ND		50	3.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
Fluoranthene	ND		50	4.0	ug/L		06/20/17 07:55	06/23/17 04:57	10
Fluorene	ND		50	3.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
Hexachlorobenzene	ND		50	5.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
Hexachlorobutadiene	ND		50	6.8	ug/L		06/20/17 07:55	06/23/17 04:57	10
Hexachlorocyclopentadiene	ND		50	5.9	ug/L		06/20/17 07:55	06/23/17 04:57	10
Hexachloroethane	ND		50	5.9	ug/L		06/20/17 07:55	06/23/17 04:57	10
Indeno(1,2,3-cd)pyrene	ND		50	4.7	ug/L		06/20/17 07:55	06/23/17 04:57	10
Isophorone	ND		50	4.3	ug/L		06/20/17 07:55	06/23/17 04:57	10
N-Nitrosodi-n-propylamine	ND		50	5.4	ug/L		06/20/17 07:55	06/23/17 04:57	10
N-Nitrosodiphenylamine	ND		50	5.1	ug/L		06/20/17 07:55	06/23/17 04:57	10
Naphthalene	ND		50	7.6	ug/L		06/20/17 07:55	06/23/17 04:57	10
Nitrobenzene	ND		50	2.9	ug/L		06/20/17 07:55	06/23/17 04:57	10
Pentachlorophenol	ND		100	22	ug/L		06/20/17 07:55	06/23/17 04:57	10
Phenanthrene	ND		50	4.4	ug/L		06/20/17 07:55	06/23/17 04:57	10
Phenol	ND		50	3.9	ug/L		06/20/17 07:55	06/23/17 04:57	10
Pyrene	ND		50	3.4	ug/L		06/20/17 07:55	06/23/17 04:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*41 - 120*	*06/20/17 07:55*	*06/23/17 04:57*	*10*
2-Fluorobiphenyl	*86*		*48 - 120*	*06/20/17 07:55*	*06/23/17 04:57*	*10*
2-Fluorophenol	*82*		*35 - 120*	*06/20/17 07:55*	*06/23/17 04:57*	*10*
Nitrobenzene-d5	*99*		*46 - 120*	*06/20/17 07:55*	*06/23/17 04:57*	*10*
p-Terphenyl-d14	*60*		*59 - 136*	*06/20/17 07:55*	*06/23/17 04:57*	*10*
Phenol-d5	*54*		*22 - 120*	*06/20/17 07:55*	*06/23/17 04:57*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.25	0.046	ug/L		06/20/17 08:11	06/22/17 19:21	5
4,4'-DDE	ND		0.25	0.058	ug/L		06/20/17 08:11	06/22/17 19:21	5
4,4'-DDT	ND		0.25	0.055	ug/L		06/20/17 08:11	06/22/17 19:21	5
Aldrin	ND		0.25	0.041	ug/L		06/20/17 08:11	06/22/17 19:21	5
alpha-BHC	ND		0.25	0.039	ug/L		06/20/17 08:11	06/22/17 19:21	5
alpha-Chlordane	ND		0.25	0.074	ug/L		06/20/17 08:11	06/22/17 19:21	5
beta-BHC	ND		0.25	0.12	ug/L		06/20/17 08:11	06/22/17 19:21	5
delta-BHC	**0.12**	**J**	0.25	0.050	ug/L		06/20/17 08:11	06/22/17 19:21	5
Dieldrin	ND		0.25	0.049	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endosulfan I	ND		0.25	0.055	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endosulfan II	ND		0.25	0.060	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endrin	ND		0.25	0.069	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endrin aldehyde	ND		0.25	0.082	ug/L		06/20/17 08:11	06/22/17 19:21	5
Endrin ketone	ND		0.25	0.060	ug/L		06/20/17 08:11	06/22/17 19:21	5
gamma-BHC (Lindane)	**0.24**	**J**	0.25	0.040	ug/L		06/20/17 08:11	06/22/17 19:21	5
gamma-Chlordane	ND		0.25	0.055	ug/L		06/20/17 08:11	06/22/17 19:21	5
Heptachlor	ND		0.25	0.043	ug/L		06/20/17 08:11	06/22/17 19:21	5

Client Sample ID: BB-T1
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		0.25	0.037	ug/L		06/20/17 08:11	06/22/17 19:21	5
Methoxychlor	ND		0.25	0.071	ug/L		06/20/17 08:11	06/22/17 19:21	5
Toxaphene	ND		2.5	0.60	ug/L		06/20/17 08:11	06/22/17 19:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*06/20/17 08:11*	*06/22/17 19:21*	*5*
Tetrachloro-m-xylene	*133*	*X*	*44 - 120*	*06/20/17 08:11*	*06/22/17 19:21*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1221	ND		0.50	0.18	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1232	ND		0.50	0.18	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1242	ND		0.50	0.18	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1248	ND		0.50	0.18	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1254	ND		0.50	0.25	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1260	ND		0.50	0.25	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1262	ND		0.50	0.25	ug/L		06/27/17 14:01	06/28/17 18:33	1
PCB-1268	ND		0.50	0.25	ug/L		06/27/17 14:01	06/28/17 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*39 - 121*	*06/27/17 14:01*	*06/28/17 18:33*	*1*
DCB Decachlorobiphenyl	*12*	*X*	*19 - 120*	*06/27/17 14:01*	*06/28/17 18:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.085**	**J**	0.20	0.060	mg/L		06/19/17 12:45	06/20/17 16:09	1
Antimony	ND		0.020	0.0068	mg/L		06/19/17 12:45	06/20/17 16:09	1
Arsenic	**0.0085**	**J**	0.015	0.0056	mg/L		06/19/17 12:45	06/20/17 16:09	1
Barium	**0.44**		0.0020	0.00070	mg/L		06/19/17 12:45	06/20/17 16:09	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/17 12:45	06/20/17 16:09	1
Cadmium	ND		0.0020	0.00050	mg/L		06/19/17 12:45	06/20/17 16:09	1
Calcium	**54.7**		0.50	0.10	mg/L		06/19/17 12:45	06/20/17 16:09	1
Chromium	**0.044**		0.0040	0.0010	mg/L		06/19/17 12:45	06/20/17 16:09	1
Cobalt	**0.0041**		0.0040	0.00063	mg/L		06/19/17 12:45	06/20/17 16:09	1
Copper	**0.028**		0.010	0.0016	mg/L		06/19/17 12:45	06/20/17 16:09	1
Iron	**8.2**		0.050	0.019	mg/L		06/19/17 12:45	06/20/17 16:09	1
Lead	**0.0073**	**J**	0.010	0.0030	mg/L		06/19/17 12:45	06/20/17 16:09	1
Magnesium	**30.9**		0.20	0.043	mg/L		06/19/17 12:45	06/20/17 16:09	1
Manganese	**0.81**		0.0030	0.00040	mg/L		06/19/17 12:45	06/20/17 16:09	1
Nickel	**0.19**		0.010	0.0013	mg/L		06/19/17 12:45	06/20/17 16:09	1
Potassium	**34.7**		0.50	0.10	mg/L		06/19/17 12:45	06/20/17 16:09	1
Selenium	ND		0.025	0.0087	mg/L		06/19/17 12:45	06/20/17 16:09	1
Silver	ND		0.0060	0.0017	mg/L		06/19/17 12:45	06/20/17 16:09	1
Sodium	**909**		1.0	0.32	mg/L		06/19/17 12:45	06/20/17 16:09	1
Thallium	ND		0.020	0.010	mg/L		06/19/17 12:45	06/20/17 16:09	1
Vanadium	**0.0045**	**J**	0.0050	0.0015	mg/L		06/19/17 12:45	06/20/17 16:09	1
Zinc	**0.014**	**B**	0.010	0.0015	mg/L		06/19/17 12:45	06/20/17 16:09	1

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: BB-T1
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	39.1	B	10.0	5.0	mg/L		06/29/17 19:18	06/30/17 14:27	1
Total Kjeldahl Nitrogen	40.6		2.0	1.5	mg/L		06/19/17 10:15	06/20/17 10:06	10
Chemical Oxygen Demand	904		100	50.0	mg/L			06/23/17 17:44	10
Phosphorus	1.1		0.020	0.010	mg/L			06/22/17 12:30	2
Biochemical Oxygen Demand	71.0	b	48.0	48.0	mg/L			06/16/17 17:47	2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	10.4		4.0	4.0	mg/L			06/21/17 11:16	1
pH	7.3	HF	0.1	0.1	SU			06/19/17 17:57	1
Temperature	20.8	HF	0.001	0.001	Degrees C			06/19/17 17:57	1

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: W-4D
Date Collected: 06/15/17 14:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-2
Matrix: Water

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	0.19	ug/L			06/24/17 08:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/24/17 08:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			06/24/17 08:25	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/24/17 08:25	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/24/17 08:25	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/24/17 08:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/24/17 08:25	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/24/17 08:25	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/24/17 08:25	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/24/17 08:25	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			06/24/17 08:25	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/24/17 08:25	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/24/17 08:25	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/24/17 08:25	1
2-Hexanone	ND		10	1.3	ug/L			06/24/17 08:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/24/17 08:25	1
Acetone	ND		25	2.7	ug/L			06/24/17 08:25	1
Benzene	ND		1.0	0.20	ug/L			06/24/17 08:25	1
Bromoform	ND		1.0	0.29	ug/L			06/24/17 08:25	1
Bromomethane	ND		1.0	0.35	ug/L			06/24/17 08:25	1
Carbon disulfide	ND		1.0	0.22	ug/L			06/24/17 08:25	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/24/17 08:25	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/24/17 08:25	1
Dibromochloromethane	ND		1.0	0.25	ug/L			06/24/17 08:25	1
Chloroethane	ND		1.0	0.36	ug/L			06/24/17 08:25	1
Chloroform	ND		1.0	0.23	ug/L			06/24/17 08:25	1
Chloromethane	ND		1.0	0.36	ug/L			06/24/17 08:25	1
cis-1,2-Dichloroethene	**21**		1.0	0.21	ug/L			06/24/17 08:25	1
Cyclohexane	ND		5.0	0.13	ug/L			06/24/17 08:25	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/24/17 08:25	1
Dichlorodifluoromethane	ND	*	1.0	0.17	ug/L			06/24/17 08:25	1
Ethylbenzene	ND		1.0	0.19	ug/L			06/24/17 08:25	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			06/24/17 08:25	1
Isopropylbenzene	ND		1.0	0.33	ug/L			06/24/17 08:25	1
Methyl acetate	ND		10	0.58	ug/L			06/24/17 08:25	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/24/17 08:25	1
Methylcyclohexane	ND		5.0	0.090	ug/L			06/24/17 08:25	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/24/17 08:25	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/24/17 08:25	1
Toluene	ND		1.0	0.17	ug/L			06/24/17 08:25	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/24/17 08:25	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 08:25	1
Trichloroethene	**13**		1.0	0.20	ug/L			06/24/17 08:25	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/24/17 08:25	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/24/17 08:25	1
Xylenes, Total	ND		3.0	0.58	ug/L			06/24/17 08:25	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 08:25	1
Styrene	ND		1.0	0.28	ug/L			06/24/17 08:25	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: W-4D
Date Collected: 06/15/17 14:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		06/24/17 08:25	1
4-Bromofluorobenzene (Surr)	98		70 - 130		06/24/17 08:25	1
Toluene-d8 (Surr)	99		70 - 130		06/24/17 08:25	1

Client Sample ID: TB

Date Collected: 06/15/17 00:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-3

Matrix: Water

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	0.19	ug/L			06/24/17 02:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/24/17 02:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			06/24/17 02:20	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/24/17 02:20	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/24/17 02:20	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/24/17 02:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/24/17 02:20	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/24/17 02:20	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/24/17 02:20	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/24/17 02:20	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			06/24/17 02:20	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/24/17 02:20	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/24/17 02:20	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/24/17 02:20	1
2-Hexanone	ND		10	1.3	ug/L			06/24/17 02:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/24/17 02:20	1
Acetone	ND		25	2.7	ug/L			06/24/17 02:20	1
Benzene	ND		1.0	0.20	ug/L			06/24/17 02:20	1
Bromoform	ND		1.0	0.29	ug/L			06/24/17 02:20	1
Bromomethane	ND		1.0	0.35	ug/L			06/24/17 02:20	1
Carbon disulfide	ND		1.0	0.22	ug/L			06/24/17 02:20	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/24/17 02:20	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/24/17 02:20	1
Dibromochloromethane	ND		1.0	0.25	ug/L			06/24/17 02:20	1
Chloroethane	ND		1.0	0.36	ug/L			06/24/17 02:20	1
Chloroform	ND		1.0	0.23	ug/L			06/24/17 02:20	1
Chloromethane	ND		1.0	0.36	ug/L			06/24/17 02:20	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			06/24/17 02:20	1
Cyclohexane	ND		5.0	0.13	ug/L			06/24/17 02:20	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/24/17 02:20	1
Dichlorodifluoromethane	ND	*	1.0	0.17	ug/L			06/24/17 02:20	1
Ethylbenzene	ND		1.0	0.19	ug/L			06/24/17 02:20	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			06/24/17 02:20	1
Isopropylbenzene	ND		1.0	0.33	ug/L			06/24/17 02:20	1
Methyl acetate	ND		10	0.58	ug/L			06/24/17 02:20	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/24/17 02:20	1
Methylcyclohexane	ND		5.0	0.090	ug/L			06/24/17 02:20	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/24/17 02:20	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/24/17 02:20	1
Toluene	ND		1.0	0.17	ug/L			06/24/17 02:20	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/24/17 02:20	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 02:20	1
Trichloroethene	ND		1.0	0.20	ug/L			06/24/17 02:20	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/24/17 02:20	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/24/17 02:20	1
Xylenes, Total	ND		3.0	0.58	ug/L			06/24/17 02:20	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/24/17 02:20	1
Styrene	ND		1.0	0.28	ug/L			06/24/17 02:20	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: TB
Date Collected: 06/15/17 00:00
Date Received: 06/16/17 10:35

Lab Sample ID: 480-119694-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		06/24/17 02:20	1
4-Bromofluorobenzene (Surr)	99		70 - 130		06/24/17 02:20	1
Toluene-d8 (Surr)	100		70 - 130		06/24/17 02:20	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Client Sample ID: BB-T1

Lab Sample ID: 480-119694-1
Matrix: Water
Date Collected: 06/15/17 13:00
Date Received: 06/16/17 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	439915	06/24/17 08:51	S1S	TAL NSH
Total/NA	Prep	3510C			362859	06/20/17 07:55	JMP	TAL BUF
Total/NA	Analysis	8270D		10	363411	06/23/17 04:57	PJQ	TAL BUF
Total/NA	Prep	3510C			362868	06/20/17 08:11	JMP	TAL BUF
Total/NA	Analysis	8081B		5	363384	06/22/17 19:21	MAN	TAL BUF
Total/NA	Prep	3510C			364259	06/27/17 14:01	SMP	TAL BUF
Total/NA	Analysis	8082A		1	364521	06/28/17 18:33	JMO	TAL BUF
Total/NA	Prep	3005A			362728	06/19/17 12:45	EMB	TAL BUF
Total/NA	Analysis	6010C		1	363101	06/20/17 16:09	LMH	TAL BUF
Total/NA	Prep	Distill/Ammonia			364835	06/29/17 19:18	KRT	TAL BUF
Total/NA	Analysis	350.1		1	365012	06/30/17 14:27	SSS	TAL BUF
Total/NA	Prep	351.2			362719	06/19/17 10:15	DCB	TAL BUF
Total/NA	Analysis	351.2		10	362916	06/20/17 10:06	CLT	TAL BUF
Total/NA	Analysis	410.4		10	363771	06/23/17 17:44	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	363164	06/21/17 11:16	BEV	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	362835	06/19/17 17:57	ALZ	TAL BUF
Total/NA	Analysis	SM 4500 P E		2	363427	06/22/17 12:30	CLT	TAL BUF
Total/NA	Analysis	SM 5210B		2	362557	06/16/17 17:47	ALZ	TAL BUF

Client Sample ID: W-4D

Lab Sample ID: 480-119694-2
Matrix: Water
Date Collected: 06/15/17 14:00
Date Received: 06/16/17 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	439915	06/24/17 08:25	S1S	TAL NSH

Client Sample ID: TB

Lab Sample ID: 480-119694-3
Matrix: Water
Date Collected: 06/15/17 00:00
Date Received: 06/16/17 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	439915	06/24/17 02:20	S1S	TAL NSH

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

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

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-17
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	09-01-17
Arizona	State Program	9	AZ0473	05-05-18
Arkansas DEQ	State Program	6	88-0737	04-25-18
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-18
Georgia	State Program	4	E87358(FL)/453.07(A2LA)	12-31-17
Illinois	NELAP	5	200010	12-09-17
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	10-31-17
Kentucky (UST)	State Program	4	19	06-30-18
Kentucky (WW)	State Program	4	90038	12-31-17
Louisiana	NELAP	6	30613	06-30-18
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-18
Massachusetts	State Program	1	M-TN032	06-30-18
Minnesota	NELAP	5	047-999-345	12-31-17
Mississippi	State Program	4	N/A	06-30-17 *
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-17
New Hampshire	NELAP	1	2963	10-09-17
New Jersey	NELAP	2	TN965	06-30-18
New York	NELAP	2	11342	03-31-18
North Carolina (WW/SW)	State Program	4	387	12-31-17
North Dakota	State Program	8	R-146	06-30-17 *
Ohio VAP	State Program	5	CL0033	07-10-17 *
Oklahoma	State Program	6	9412	08-31-17
Oregon	NELAP	10	TN200001	04-27-18
Pennsylvania	NELAP	3	68-00585	06-30-18
Rhode Island	State Program	1	LAO00268	12-30-17
South Carolina	State Program	4	84009 (001)	02-28-18
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-17
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-17
Virginia	NELAP	3	460152	06-14-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: New York State D.E.C. TestAmerica Job ID: 480-119694-1
Project/Site: Patton's Busy Bee Disposal #902014

Laboratory: TestAmerica Nashville (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C789	07-19-17
West Virginia DEP	State Program	3	219	02-28-18
Wisconsin	State Program	5	998020430	08-31-17
Wyoming (UST)	A2LA	8	453.07	12-31-17

Method Summary

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
410.4	COD	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
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
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: New York State D.E.C.
Project/Site: Patton's Busy Bee Disposal #902014

TestAmerica Job ID: 480-119694-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-119694-1	BB-T1	Water	06/15/17 13:00	06/16/17 10:35
480-119694-2	W-4D	Water	06/15/17 14:00	06/16/17 10:35
480-119694-3	TB	Water	06/15/17 00:00	06/16/17 10:35

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Sadowski	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98508-20296.1
Client Contact: Mr. Brian Sadowski	Phone: 716-851-7220	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #:
Address: 270 Michigan Avenue	Due Date Requested:			
City: Buffalo	TAT Requested (days): 10 day			
State, Zip: NY, 14203				
Phone:	PO #: CallOut ID 120909			
Email: bpsadows@gw.dec.state.ny.us	WO #:			
Project Name: Patton's Busy Bee Disposal #902014	Project #: 48004137			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic A
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
Other:

480-119694 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	8081B - TCL Pesticides - OLM04.2	8270D - TCL SVOA - OLM04.2	350.1, 351.2, 410.4, 4500_P_E	6010C - TAL Metals ICP	5210B - BOD	2540D - TSS	SM4500_H+ - pH	8082A - TCL PCBs - SOM01.0	8260C - TCL list OLM04.2					Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	S	D	N	N	N	N	N						
BB-T1	6/15/17	1300	G	Water			X	X	X	X	X	X	X	X	X						
W-4D	6/15/17	1400	G	Water			X														
				Water																	
				Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kenn M May	6/16/17 1035	NYSDEC		6/16/17 1035	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.0 #1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

480-119694 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 06-20-2017 @ 09:00

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 3952 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 14740456 pH Strip Lot_____ Chlorine Strip Lot_____

2. Temperature of rep. sample or temp blank when opened: 3.1 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) J.J.

7. Were custody seals on containers: YES (NO) and intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) (Plastic bag) Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? (YES)..NO...NA

14. Was there a Trip Blank in this cooler? YES..(NO)..NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (initial) ES

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..(NO)..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...(NA)

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) ES

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) ES

I certify that I attached a label with the unique LIMS number to each container (initial) ES

21. Were there Non-Conformance issues at login? YES..(NO) Was a NCM generated? YES..(NO)..# ES

BIS = Broken in shipment

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-119694

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

6/30/2017

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	No: J-35568.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com	State of Origin: New York
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Page: Page 1 of 1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 6/28/2017		Job #: 480-119694-1
City: Nashville	TAT Requested (days):		
State, Zip: TN, 37204			
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		
Email:	WO #:		
Project Name: Patton's Busy Bee Disposal #902014	Project #: 48004137		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C 8260C TCL (Buffalo List)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BB-T1 (480-119694-1)	6/15/17	13:00 Eastern		Water			X	3	
W-4D (480-119694-2)	6/15/17	14:00 Eastern		Water			X	3	
TB (480-119694-3)	6/15/17	Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 6/19/17 1300	Company	Received by:		Date/Time: 6-20-17 9:00	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-119694-1

Login Number: 119694
List Number: 1
Creator: Janish, Carl 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 (Excluding tests with immediate HTs)..	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	DEC
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	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-119694-1

Login Number: 119694
List Number: 2
Creator: Stewart, Eric S

List Source: TestAmerica Nashville
List Creation: 06/20/17 03:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	