TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Amherst, NY 14228-2298
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TestAmerica Job ID: 480-99554-1
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:
5/17/2016 7:59:40 AM

Orlette Johnson, Senior Project Manager
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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
5/17/2016 7:59:40 AM

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Definitions/Glossary

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

TestAmerica Job ID: 480-99554-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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
X	Surrogate is outside control limits

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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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, 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)

Job ID: 480-99554-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-99554-1

Receipt
The samples were received on 5/4/2016 10:25 AM; 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 following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: LEACHATE TANK BBT1 (480-99554-1) and LEACHATE TANK BBT2 (480-99554-2). 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/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-300151 recovered outside acceptance criteria, low biased, for Pentachlorophenol. 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.

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-299926 and analytical batch 480-300151 recovered outside control limits for the following analytes: Benzaldehyde. 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 continuing calibration verification (CCV) associated with batch 480-300151 recovered above the upper control limit for Benzaldehyde. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: LEACHATE TANK BBT2 (480-99554-2).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: LEACHATE TANK BBT2 (480-99554-2). These results have been reported and qualified.

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: For method 8081, the recovery of the one surrogate in samples LEACHATE TANK BBT2 (480-99554-2) exceeds quality control limits due to the dilution and sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

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

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

General Chemistry
Method(s) SM 2540D: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: LEACHATE TANK BBT2 (480-99554-2). The reporting limits (RLs) have been adjusted proportionately.

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: LEACHATE TANK BBT2 (480-99554-2).

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-300197. An LCSD was added to this batch due to insufficient volume concerns for the associated sample

Job ID: 480-99554-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

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

TestAmerica Job ID: 480-99554-1

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 05/03/16 12:00
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-1
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		10	8.2	ug/L			05/13/16 04:09	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/13/16 04:09	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/13/16 04:09	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/13/16 04:09	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/13/16 04:09	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/13/16 04:09	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/13/16 04:09	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/13/16 04:09	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/13/16 04:09	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/13/16 04:09	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/13/16 04:09	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/13/16 04:09	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/13/16 04:09	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/13/16 04:09	10
2-Hexanone	ND		50	12	ug/L			05/13/16 04:09	10
2-Butanone (MEK)	ND		100	13	ug/L			05/13/16 04:09	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/13/16 04:09	10
Acetone	ND		100	30	ug/L			05/13/16 04:09	10
Benzene	ND		10	4.1	ug/L			05/13/16 04:09	10
Bromodichloromethane	ND		10	3.9	ug/L			05/13/16 04:09	10
Bromoform	ND		10	2.6	ug/L			05/13/16 04:09	10
Bromomethane	ND		10	6.9	ug/L			05/13/16 04:09	10
Carbon disulfide	ND		10	1.9	ug/L			05/13/16 04:09	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/13/16 04:09	10
Chlorobenzene	ND		10	7.5	ug/L			05/13/16 04:09	10
Dibromochloromethane	ND		10	3.2	ug/L			05/13/16 04:09	10
Chloroethane	ND		10	3.2	ug/L			05/13/16 04:09	10
Chloroform	ND		10	3.4	ug/L			05/13/16 04:09	10
Chloromethane	ND		10	3.5	ug/L			05/13/16 04:09	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/13/16 04:09	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/13/16 04:09	10
Cyclohexane	ND		10	1.8	ug/L			05/13/16 04:09	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/13/16 04:09	10
Ethylbenzene	ND		10	7.4	ug/L			05/13/16 04:09	10
Isopropylbenzene	ND		10	7.9	ug/L			05/13/16 04:09	10
Methyl acetate	ND		25	13	ug/L			05/13/16 04:09	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/13/16 04:09	10
Methylcyclohexane	ND		10	1.6	ug/L			05/13/16 04:09	10
Methylene Chloride	ND		10	4.4	ug/L			05/13/16 04:09	10
Styrene	ND		10	7.3	ug/L			05/13/16 04:09	10
Tetrachloroethene	ND		10	3.6	ug/L			05/13/16 04:09	10
Toluene	ND		10	5.1	ug/L			05/13/16 04:09	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/13/16 04:09	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/13/16 04:09	10
Trichloroethene	ND		10	4.6	ug/L			05/13/16 04:09	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/13/16 04:09	10
Vinyl chloride	ND		10	9.0	ug/L			05/13/16 04:09	10
Xylenes, Total	ND		20	6.6	ug/L			05/13/16 04:09	10

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

TestAmerica Job ID: 480-99554-1

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 05/03/16 12:00
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		05/13/16 04:09	10
Toluene-d8 (Surr)	97		71 - 126		05/13/16 04:09	10
4-Bromofluorobenzene (Surr)	87		73 - 120		05/13/16 04:09	10

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

TestAmerica Job ID: 480-99554-1

Client Sample ID: LEACHATE TANK BBT2
Date Collected: 05/03/16 12:20
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-2
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		10	8.2	ug/L			05/13/16 04:34	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/13/16 04:34	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/13/16 04:34	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/13/16 04:34	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/13/16 04:34	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/13/16 04:34	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/13/16 04:34	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/13/16 04:34	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/13/16 04:34	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/13/16 04:34	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/13/16 04:34	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/13/16 04:34	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/13/16 04:34	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/13/16 04:34	10
2-Hexanone	ND		50	12	ug/L			05/13/16 04:34	10
2-Butanone (MEK)	ND		100	13	ug/L			05/13/16 04:34	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/13/16 04:34	10
Acetone	ND		100	30	ug/L			05/13/16 04:34	10
Benzene	ND		10	4.1	ug/L			05/13/16 04:34	10
Bromodichloromethane	ND		10	3.9	ug/L			05/13/16 04:34	10
Bromoform	ND		10	2.6	ug/L			05/13/16 04:34	10
Bromomethane	ND		10	6.9	ug/L			05/13/16 04:34	10
Carbon disulfide	ND		10	1.9	ug/L			05/13/16 04:34	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/13/16 04:34	10
Chlorobenzene	ND		10	7.5	ug/L			05/13/16 04:34	10
Dibromochloromethane	ND		10	3.2	ug/L			05/13/16 04:34	10
Chloroethane	ND		10	3.2	ug/L			05/13/16 04:34	10
Chloroform	ND		10	3.4	ug/L			05/13/16 04:34	10
Chloromethane	ND		10	3.5	ug/L			05/13/16 04:34	10
cis-1,2-Dichloroethene	**95**		10	8.1	ug/L			05/13/16 04:34	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/13/16 04:34	10
Cyclohexane	ND		10	1.8	ug/L			05/13/16 04:34	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/13/16 04:34	10
Ethylbenzene	ND		10	7.4	ug/L			05/13/16 04:34	10
Isopropylbenzene	ND		10	7.9	ug/L			05/13/16 04:34	10
Methyl acetate	ND		25	13	ug/L			05/13/16 04:34	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/13/16 04:34	10
Methylcyclohexane	ND		10	1.6	ug/L			05/13/16 04:34	10
Methylene Chloride	ND		10	4.4	ug/L			05/13/16 04:34	10
Styrene	ND		10	7.3	ug/L			05/13/16 04:34	10
Tetrachloroethene	ND		10	3.6	ug/L			05/13/16 04:34	10
Toluene	ND		10	5.1	ug/L			05/13/16 04:34	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/13/16 04:34	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/13/16 04:34	10
Trichloroethene	**81**		10	4.6	ug/L			05/13/16 04:34	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/13/16 04:34	10
Vinyl chloride	**12**		10	9.0	ug/L			05/13/16 04:34	10
Xylenes, Total	ND		20	6.6	ug/L			05/13/16 04:34	10

Client Sample ID: LEACHATE TANK BBT2

Date Collected: 05/03/16 12:20
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*05/13/16 04:34*	*10*
Toluene-d8 (Surr)	*98*		*71 - 126*		*05/13/16 04:34*	*10*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*05/13/16 04:34*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		05/04/16 15:11	05/06/16 00:30	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/04/16 15:11	05/06/16 00:30	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Nitroaniline	ND		10	0.42	ug/L		05/04/16 15:11	05/06/16 00:30	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/04/16 15:11	05/06/16 00:30	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/04/16 15:11	05/06/16 00:30	1
3-Nitroaniline	ND		10	0.48	ug/L		05/04/16 15:11	05/06/16 00:30	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Methylphenol	ND		10	0.36	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Nitroaniline	ND		10	0.25	ug/L		05/04/16 15:11	05/06/16 00:30	1
4-Nitrophenol	ND		10	1.5	ug/L		05/04/16 15:11	05/06/16 00:30	1
Acenaphthene	ND		5.0	0.41	ug/L		05/04/16 15:11	05/06/16 00:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/04/16 15:11	05/06/16 00:30	1
Acetophenone	ND		5.0	0.54	ug/L		05/04/16 15:11	05/06/16 00:30	1
Anthracene	ND		5.0	0.28	ug/L		05/04/16 15:11	05/06/16 00:30	1
Atrazine	ND		5.0	0.46	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzaldehyde	**1.1**	**J ***	5.0	0.27	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/04/16 15:11	05/06/16 00:30	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/04/16 15:11	05/06/16 00:30	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/04/16 15:11	05/06/16 00:30	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/04/16 15:11	05/06/16 00:30	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/04/16 15:11	05/06/16 00:30	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/04/16 15:11	05/06/16 00:30	1
Caprolactam	ND		5.0	2.2	ug/L		05/04/16 15:11	05/06/16 00:30	1
Carbazole	ND		5.0	0.30	ug/L		05/04/16 15:11	05/06/16 00:30	1
Chrysene	ND		5.0	0.33	ug/L		05/04/16 15:11	05/06/16 00:30	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/04/16 15:11	05/06/16 00:30	1

Client Sample ID: LEACHATE TANK BBT2

Date Collected: 05/03/16 12:20
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-2

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		5.0	0.47	ug/L		05/04/16 15:11	05/06/16 00:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/04/16 15:11	05/06/16 00:30	1
Dibenzofuran	ND		10	0.51	ug/L		05/04/16 15:11	05/06/16 00:30	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/04/16 15:11	05/06/16 00:30	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/04/16 15:11	05/06/16 00:30	1
Fluoranthene	ND		5.0	0.40	ug/L		05/04/16 15:11	05/06/16 00:30	1
Fluorene	ND		5.0	0.36	ug/L		05/04/16 15:11	05/06/16 00:30	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/04/16 15:11	05/06/16 00:30	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/04/16 15:11	05/06/16 00:30	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/04/16 15:11	05/06/16 00:30	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/04/16 15:11	05/06/16 00:30	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/04/16 15:11	05/06/16 00:30	1
Isophorone	ND		5.0	0.43	ug/L		05/04/16 15:11	05/06/16 00:30	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/04/16 15:11	05/06/16 00:30	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/04/16 15:11	05/06/16 00:30	1
Naphthalene	ND		5.0	0.76	ug/L		05/04/16 15:11	05/06/16 00:30	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/04/16 15:11	05/06/16 00:30	1
Pentachlorophenol	ND		10	2.2	ug/L		05/04/16 15:11	05/06/16 00:30	1
Phenanthrene	ND		5.0	0.44	ug/L		05/04/16 15:11	05/06/16 00:30	1
Phenol	ND		5.0	0.39	ug/L		05/04/16 15:11	05/06/16 00:30	1
Pyrene	ND		5.0	0.34	ug/L		05/04/16 15:11	05/06/16 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*52 - 132*	*05/04/16 15:11*	*05/06/16 00:30*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*05/04/16 15:11*	*05/06/16 00:30*	*1*
2-Fluorophenol	*52*		*20 - 120*	*05/04/16 15:11*	*05/06/16 00:30*	*1*
Nitrobenzene-d5	*67*		*46 - 120*	*05/04/16 15:11*	*05/06/16 00:30*	*1*
p-Terphenyl-d14	*63*	*X*	*67 - 150*	*05/04/16 15:11*	*05/06/16 00:30*	*1*
Phenol-d5	*36*		*16 - 120*	*05/04/16 15:11*	*05/06/16 00:30*	*1*

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		05/05/16 14:44	05/07/16 14:54	5
4,4'-DDE	ND		0.25	0.058	ug/L		05/05/16 14:44	05/07/16 14:54	5
4,4'-DDT	ND		0.25	0.055	ug/L		05/05/16 14:44	05/07/16 14:54	5
Aldrin	ND		0.25	0.041	ug/L		05/05/16 14:44	05/07/16 14:54	5
alpha-BHC	ND		0.25	0.039	ug/L		05/05/16 14:44	05/07/16 14:54	5
alpha-Chlordane	ND		0.25	0.074	ug/L		05/05/16 14:44	05/07/16 14:54	5
beta-BHC	ND		0.25	0.12	ug/L		05/05/16 14:44	05/07/16 14:54	5
delta-BHC	ND		0.25	0.050	ug/L		05/05/16 14:44	05/07/16 14:54	5
Dieldrin	ND		0.25	0.049	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endosulfan I	ND		0.25	0.055	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endosulfan II	ND		0.25	0.060	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endrin	ND		0.25	0.069	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endrin aldehyde	ND		0.25	0.082	ug/L		05/05/16 14:44	05/07/16 14:54	5
Endrin ketone	ND		0.25	0.060	ug/L		05/05/16 14:44	05/07/16 14:54	5
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		05/05/16 14:44	05/07/16 14:54	5
gamma-Chlordane	ND		0.25	0.055	ug/L		05/05/16 14:44	05/07/16 14:54	5
Heptachlor	ND		0.25	0.043	ug/L		05/05/16 14:44	05/07/16 14:54	5

Client Sample ID: LEACHATE TANK BBT2

Date Collected: 05/03/16 12:20
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-2
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		05/05/16 14:44	05/07/16 14:54	5
Methoxychlor	ND		0.25	0.071	ug/L		05/05/16 14:44	05/07/16 14:54	5
Toxaphene	ND		2.5	0.60	ug/L		05/05/16 14:44	05/07/16 14:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*05/05/16 14:44*	*05/07/16 14:54*	*5*
Tetrachloro-m-xylene	*96*		*36 - 120*	*05/05/16 14:44*	*05/07/16 14:54*	*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		05/05/16 15:29	05/05/16 22:49	1
PCB-1221	ND		0.50	0.18	ug/L		05/05/16 15:29	05/05/16 22:49	1
PCB-1232	ND		0.50	0.18	ug/L		05/05/16 15:29	05/05/16 22:49	1
PCB-1242	ND		0.50	0.18	ug/L		05/05/16 15:29	05/05/16 22:49	1
PCB-1248	ND		0.50	0.18	ug/L		05/05/16 15:29	05/05/16 22:49	1
PCB-1254	ND		0.50	0.25	ug/L		05/05/16 15:29	05/05/16 22:49	1
PCB-1260	ND		0.50	0.25	ug/L		05/05/16 15:29	05/05/16 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*19 - 125*	*05/05/16 15:29*	*05/05/16 22:49*	*1*
Tetrachloro-m-xylene	*77*		*24 - 137*	*05/05/16 15:29*	*05/05/16 22:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.71**		0.20	0.060	mg/L		05/05/16 11:20	05/06/16 13:34	1
Antimony	ND		0.020	0.0068	mg/L		05/05/16 11:20	05/06/16 13:34	1
Arsenic	ND		0.015	0.0056	mg/L		05/05/16 11:20	05/06/16 13:34	1
Barium	**0.27**		0.0020	0.00070	mg/L		05/05/16 11:20	05/06/16 13:34	1
Beryllium	ND		0.0020	0.00030	mg/L		05/05/16 11:20	05/06/16 13:34	1
Cadmium	ND		0.0020	0.00050	mg/L		05/05/16 11:20	05/06/16 13:34	1
Calcium	**95.9**		0.50	0.10	mg/L		05/05/16 11:20	05/06/16 13:34	1
Chromium	**0.0016**	**J**	0.0040	0.0010	mg/L		05/05/16 11:20	05/06/16 13:34	1
Cobalt	**0.0031**	**J**	0.0040	0.00063	mg/L		05/05/16 11:20	05/06/16 13:34	1
Copper	ND		0.010	0.0016	mg/L		05/05/16 11:20	05/06/16 13:34	1
Iron	**7.2**		0.050	0.019	mg/L		05/05/16 11:20	05/06/16 13:34	1
Lead	ND		0.010	0.0030	mg/L		05/05/16 11:20	05/06/16 13:34	1
Magnesium	**40.4**		0.20	0.043	mg/L		05/05/16 11:20	05/06/16 13:34	1
Manganese	**2.4**		0.0030	0.00040	mg/L		05/05/16 11:20	05/06/16 13:34	1
Nickel	**0.0084**	**J**	0.010	0.0013	mg/L		05/05/16 11:20	05/06/16 13:34	1
Potassium	**26.0**		0.50	0.10	mg/L		05/05/16 11:20	05/06/16 13:34	1
Selenium	ND		0.025	0.0087	mg/L		05/05/16 11:20	05/06/16 13:34	1
Silver	ND		0.0060	0.0017	mg/L		05/05/16 11:20	05/06/16 13:34	1
Sodium	**138**		1.0	0.32	mg/L		05/05/16 11:20	05/06/16 13:34	1
Thallium	ND		0.020	0.010	mg/L		05/05/16 11:20	05/06/16 13:34	1
Vanadium	ND		0.0050	0.0015	mg/L		05/05/16 11:20	05/06/16 13:34	1
Zinc	**0.010**		0.010	0.0015	mg/L		05/05/16 11:20	05/06/16 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**25.8**		4.0	2.0	mg/L		05/05/16 13:11	05/05/16 15:45	20
Total Kjeldahl Nitrogen	**33.0**		2.0	1.5	mg/L		05/09/16 16:01	05/10/16 02:10	10

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

TestAmerica Job ID: 480-99554-1

Client Sample ID: LEACHATE TANK BBT2
Date Collected: 05/03/16 12:20
Date Received: 05/04/16 10:25

Lab Sample ID: 480-99554-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	72.0		10.0	5.0	mg/L			05/05/16 13:30	1
Phosphorus	0.045		0.010	0.0050	mg/L			05/06/16 10:07	1
Phosphorus as PO4	0.14		0.031	0.015	mg/L			05/06/16 10:07	1
Biochemical Oxygen Demand	4.2		3.0	3.0	mg/L			05/04/16 16:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	81.6		4.7	4.7	mg/L			05/09/16 08:12	1
pH	6.58	HF	0.100	0.100	SU			05/04/16 18:05	1

Lab Chronicle

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

TestAmerica Job ID: 480-99554-1

Client Sample ID: LEACHATE TANK BBT1

Lab Sample ID: 480-99554-1
Date Collected: 05/03/16 12:00
Matrix: Water
Date Received: 05/04/16 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	301515	05/13/16 04:09	GTG	TAL BUF

Client Sample ID: LEACHATE TANK BBT2

Lab Sample ID: 480-99554-2
Date Collected: 05/03/16 12:20
Matrix: Water
Date Received: 05/04/16 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	301515	05/13/16 04:34	GTG	TAL BUF
Total/NA	Prep	3510C			299926	05/04/16 15:11	JIL	TAL BUF
Total/NA	Analysis	8270D		1	300151	05/06/16 00:30	DMR	TAL BUF
Total/NA	Prep	3510C			300180	05/05/16 14:44	AVW	TAL BUF
Total/NA	Analysis	8081B		5	300516	05/07/16 14:54	MAN	TAL BUF
Total/NA	Prep	3510C			300197	05/05/16 15:29	AVW	TAL BUF
Total/NA	Analysis	8082A		1	300235	05/05/16 22:49	KS	TAL BUF
Total/NA	Prep	3005A			300093	05/05/16 11:20	BAE	TAL BUF
Total/NA	Analysis	6010C		1	300405	05/06/16 13:34	TRB	TAL BUF
Total/NA	Prep	Distill/Ammonia			300162	05/05/16 13:11	ZRJ	TAL BUF
Total/NA	Analysis	350.1		20	300206	05/05/16 15:45	ZRJ	TAL BUF
Total/NA	Prep	351.2			300760	05/09/16 16:01	CLT	TAL BUF
Total/NA	Analysis	351.2		10	300815	05/10/16 02:10	CLT	TAL BUF
Total/NA	Analysis	410.4		1	300200	05/05/16 13:30	DCB	TAL BUF
Total/NA	Analysis	SM 2540D		1	300649	05/09/16 08:12	EKB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	300061	05/04/16 18:05	KMF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	300355	05/06/16 10:07	DLG	TAL BUF
Total/NA	Analysis	SM 5210B		1	300017	05/04/16 16:56	DSC	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-99554-1

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	03-31-17

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

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

Method Summary

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

TestAmerica Job ID: 480-99554-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
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

Sample Summary

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

TestAmerica Job ID: 480-99554-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-99554-1	LEACHATE TANK BBT1	Water	05/03/16 12:00	05/04/16 10:25
480-99554-2	LEACHATE TANK BBT2	Water	05/03/16 12:20	05/04/16 10:25

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	BRIAN SADOWSKI	5/3/16	289359
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
270 MICHIGAN AVE.	716-851-7220		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
BUFFALO / NY / 14203		O. JOHNSON	
Project Name and Location (State)	**Carrier/Waybill Number**		
PATTOLI'S BUSY BEE, N.Y.			
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	8240 C	8082 A	8581 B	8270 D	TKN, NH3, COD, PH	6010 C	5210 B	25400	SM 4500
LEACHATE TANK BBT1	5/3/16	12:00								3			✓								
LEACHATE TANK BBT2	5/3/16	12:20					2			3			✓	✓	✓						
							2							✓							
							2								✓						
							2									✓					
								1									✓				
									1									✓			
							1												✓		
							1													✓	
							1														✓

480-99554 Chain of Custody

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Brian P. Sadowski	5/4/16	1025	1. Received By: [illegible] TA	5/4/16	1025
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

Temp 4.6 #3 Blue ICE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/17/2016

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-99554-1

Login Number: 99554
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 (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	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	