TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-136991-1
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:
6/20/2018 4:53:51 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
6/20/2018 4:53:51 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: 480-136991-1

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
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
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: 480-136991-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-136991-1

Receipt
The samples were received on 6/6/2018 2:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.6° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-418748 recovered above the upper control limit for Cyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: LEACHATE TANK BBT1 (480-136991-1) and LEACHATE TANK BBT2 (480-136991-2).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LEACHATE TANK BBT2 (480-136991-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: LEACHATE TANK BBT1 (480-136991-1). 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/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: LEACHATE TANK BBT1 (480-136991-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-418646 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.

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

GC Semi VOA
Method(s) 8082A: Surrogate recovery for the following sample was outside control limits: LEACHATE TANK BBT1 (480-136991-1). 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 480-419545) associated with batch 480-419545, contained Total Potassium and Sodium above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples LEACHATE TANK BBT1 (480-136991-1) 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) SM 5210B: The following sample was diluted due to the nature of the sample matrix: LEACHATE TANK BBT1 (480-136991-1). Elevated reporting limits (RLs) are provided. Due to the elevated RL, the sample result of 55.83 mg/L is being reported as ND.

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 BBT1 (480-136991-1).

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

Organic Prep

Job ID: 480-136991-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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: 480-136991-1

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 06/06/18 10:40
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-1
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		20	16	ug/L			06/09/18 01:51	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			06/09/18 01:51	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			06/09/18 01:51	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			06/09/18 01:51	20
1,1-Dichloroethane	ND		20	7.6	ug/L			06/09/18 01:51	20
1,1-Dichloroethene	ND		20	5.8	ug/L			06/09/18 01:51	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			06/09/18 01:51	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			06/09/18 01:51	20
1,2-Dibromoethane	ND		20	15	ug/L			06/09/18 01:51	20
1,2-Dichlorobenzene	ND		20	16	ug/L			06/09/18 01:51	20
1,2-Dichloroethane	ND		20	4.2	ug/L			06/09/18 01:51	20
1,2-Dichloropropane	ND		20	14	ug/L			06/09/18 01:51	20
1,3-Dichlorobenzene	ND		20	16	ug/L			06/09/18 01:51	20
1,4-Dichlorobenzene	ND		20	17	ug/L			06/09/18 01:51	20
2-Hexanone	ND		100	25	ug/L			06/09/18 01:51	20
2-Butanone (MEK)	ND		200	26	ug/L			06/09/18 01:51	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			06/09/18 01:51	20
Acetone	ND		200	60	ug/L			06/09/18 01:51	20
Benzene	ND		20	8.2	ug/L			06/09/18 01:51	20
Bromodichloromethane	ND		20	7.8	ug/L			06/09/18 01:51	20
Bromoform	ND		20	5.2	ug/L			06/09/18 01:51	20
Bromomethane	ND		20	14	ug/L			06/09/18 01:51	20
Carbon disulfide	ND		20	3.8	ug/L			06/09/18 01:51	20
Carbon tetrachloride	ND		20	5.4	ug/L			06/09/18 01:51	20
Chlorobenzene	ND		20	15	ug/L			06/09/18 01:51	20
Dibromochloromethane	ND		20	6.4	ug/L			06/09/18 01:51	20
Chloroethane	ND		20	6.4	ug/L			06/09/18 01:51	20
Chloroform	ND		20	6.8	ug/L			06/09/18 01:51	20
Chloromethane	ND		20	7.0	ug/L			06/09/18 01:51	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			06/09/18 01:51	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			06/09/18 01:51	20
Cyclohexane	ND		20	3.6	ug/L			06/09/18 01:51	20
Dichlorodifluoromethane	ND		20	14	ug/L			06/09/18 01:51	20
Ethylbenzene	ND		20	15	ug/L			06/09/18 01:51	20
Isopropylbenzene	ND		20	16	ug/L			06/09/18 01:51	20
Methyl acetate	ND		50	26	ug/L			06/09/18 01:51	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			06/09/18 01:51	20
Methylcyclohexane	ND		20	3.2	ug/L			06/09/18 01:51	20
Methylene Chloride	**18**	**J**	20	8.8	ug/L			06/09/18 01:51	20
Styrene	ND		20	15	ug/L			06/09/18 01:51	20
Tetrachloroethene	ND		20	7.2	ug/L			06/09/18 01:51	20
Toluene	ND		20	10	ug/L			06/09/18 01:51	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			06/09/18 01:51	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			06/09/18 01:51	20
Trichloroethene	ND		20	9.2	ug/L			06/09/18 01:51	20
Trichlorofluoromethane	ND		20	18	ug/L			06/09/18 01:51	20
Vinyl chloride	ND		20	18	ug/L			06/09/18 01:51	20
Xylenes, Total	ND		40	13	ug/L			06/09/18 01:51	20

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

TestAmerica Job ID: 480-136991-1

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 06/06/18 10:40
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/09/18 01:51*	*20*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/09/18 01:51*	*20*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*06/09/18 01:51*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4-Dinitrophenol	ND		50	11	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		06/07/18 14:09	06/08/18 20:49	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Chloronaphthalene	ND		25	2.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Chlorophenol	ND		25	2.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Methylnaphthalene	ND		25	3.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Methylphenol	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Nitroaniline	ND		50	2.1	ug/L		06/07/18 14:09	06/08/18 20:49	5
2-Nitrophenol	ND		25	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
3-Nitroaniline	ND		50	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Chloroaniline	ND		25	3.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Methylphenol	ND		50	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Nitroaniline	ND		50	1.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
4-Nitrophenol	ND		50	7.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
Acenaphthene	ND		25	2.1	ug/L		06/07/18 14:09	06/08/18 20:49	5
Acenaphthylene	ND		25	1.9	ug/L		06/07/18 14:09	06/08/18 20:49	5
Acetophenone	ND		25	2.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
Anthracene	ND		25	1.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
Atrazine	ND		25	2.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzaldehyde	ND		25	1.3	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzo(a)anthracene	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzo(a)pyrene	ND		25	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		06/07/18 14:09	06/08/18 20:49	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Caprolactam	ND		25	11	ug/L		06/07/18 14:09	06/08/18 20:49	5
Carbazole	ND		25	1.5	ug/L		06/07/18 14:09	06/08/18 20:49	5
Chrysene	ND		25	1.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		06/07/18 14:09	06/08/18 20:49	5

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 06/06/18 10:40
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-1
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		25	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		06/07/18 14:09	06/08/18 20:49	5
Dibenzofuran	ND		50	2.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
Diethyl phthalate	ND		25	1.1	ug/L		06/07/18 14:09	06/08/18 20:49	5
Dimethyl phthalate	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Fluoranthene	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Fluorene	ND		25	1.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Hexachlorobenzene	ND		25	2.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
Hexachlorobutadiene	ND		25	3.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Hexachloroethane	ND		25	3.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		06/07/18 14:09	06/08/18 20:49	5
Isophorone	ND		25	2.2	ug/L		06/07/18 14:09	06/08/18 20:49	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		06/07/18 14:09	06/08/18 20:49	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		06/07/18 14:09	06/08/18 20:49	5
Naphthalene	ND		25	3.8	ug/L		06/07/18 14:09	06/08/18 20:49	5
Nitrobenzene	ND		25	1.5	ug/L		06/07/18 14:09	06/08/18 20:49	5
Pentachlorophenol	ND		50	11	ug/L		06/07/18 14:09	06/08/18 20:49	5
Phenanthrene	ND		25	2.2	ug/L		06/07/18 14:09	06/08/18 20:49	5
Phenol	ND		25	2.0	ug/L		06/07/18 14:09	06/08/18 20:49	5
Pyrene	ND		25	1.7	ug/L		06/07/18 14:09	06/08/18 20:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*41 - 120*	*06/07/18 14:09*	*06/08/18 20:49*	*5*
2-Fluorobiphenyl	*104*		*48 - 120*	*06/07/18 14:09*	*06/08/18 20:49*	*5*
2-Fluorophenol	*70*		*35 - 120*	*06/07/18 14:09*	*06/08/18 20:49*	*5*
Nitrobenzene-d5	*90*		*46 - 120*	*06/07/18 14:09*	*06/08/18 20:49*	*5*
p-Terphenyl-d14	*83*		*59 - 136*	*06/07/18 14:09*	*06/08/18 20:49*	*5*
Phenol-d5	*52*		*22 - 120*	*06/07/18 14:09*	*06/08/18 20:49*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.028**	**J**	0.050	0.0092	ug/L		06/08/18 07:33	06/11/18 17:24	1
4,4'-DDE	ND		0.050	0.012	ug/L		06/08/18 07:33	06/11/18 17:24	1
4,4'-DDT	ND		0.050	0.011	ug/L		06/08/18 07:33	06/11/18 17:24	1
Aldrin	ND		0.050	0.0081	ug/L		06/08/18 07:33	06/11/18 17:24	1
alpha-BHC	ND		0.050	0.0077	ug/L		06/08/18 07:33	06/11/18 17:24	1
cis-Chlordane	ND		0.050	0.015	ug/L		06/08/18 07:33	06/11/18 17:24	1
beta-BHC	ND		0.050	0.025	ug/L		06/08/18 07:33	06/11/18 17:24	1
delta-BHC	ND		0.050	0.010	ug/L		06/08/18 07:33	06/11/18 17:24	1
Dieldrin	ND		0.050	0.0098	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endosulfan I	ND		0.050	0.011	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endosulfan II	ND		0.050	0.012	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endrin	ND		0.050	0.014	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endrin aldehyde	ND		0.050	0.016	ug/L		06/08/18 07:33	06/11/18 17:24	1
Endrin ketone	ND		0.050	0.012	ug/L		06/08/18 07:33	06/11/18 17:24	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		06/08/18 07:33	06/11/18 17:24	1
trans-Chlordane	ND		0.050	0.011	ug/L		06/08/18 07:33	06/11/18 17:24	1
Heptachlor	ND		0.050	0.0085	ug/L		06/08/18 07:33	06/11/18 17:24	1

Client Sample ID: LEACHATE TANK BBT1

Date Collected: 06/06/18 10:40
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		0.050	0.0074	ug/L		06/08/18 07:33	06/11/18 17:24	1
Methoxychlor	ND		0.050	0.014	ug/L		06/08/18 07:33	06/11/18 17:24	1
Toxaphene	ND		0.50	0.12	ug/L		06/08/18 07:33	06/11/18 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*21*		*20 - 120*	*06/08/18 07:33*	*06/11/18 17:24*	*1*
Tetrachloro-m-xylene	*76*		*44 - 120*	*06/08/18 07:33*	*06/11/18 17:24*	*1*

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		06/08/18 07:11	06/11/18 14:35	1
PCB-1221	ND		0.50	0.18	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1232	ND		0.50	0.18	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1242	ND		0.50	0.18	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1248	ND		0.50	0.18	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1254	ND		0.50	0.25	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1260	ND		0.50	0.25	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1262	ND		0.50	0.25	ug/L		06/08/18 07:11	06/11/18 14:35	1
PCB-1268	ND		0.50	0.25	ug/L		06/08/18 07:11	06/11/18 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*39 - 121*	*06/08/18 07:11*	*06/11/18 14:35*	*1*
DCB Decachlorobiphenyl	*13*	*X*	*19 - 120*	*06/08/18 07:11*	*06/11/18 14:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.064**	**J**	0.20	0.060	mg/L		06/11/18 11:29	06/13/18 14:55	1
Antimony	ND		0.020	0.0068	mg/L		06/11/18 11:29	06/13/18 14:55	1
Arsenic	ND		0.015	0.0056	mg/L		06/11/18 11:29	06/13/18 14:55	1
Barium	**0.32**		0.0020	0.00070	mg/L		06/11/18 11:29	06/13/18 14:55	1
Beryllium	ND		0.0020	0.00030	mg/L		06/11/18 11:29	06/13/18 14:55	1
Cadmium	ND		0.0020	0.00050	mg/L		06/11/18 11:29	06/13/18 14:55	1
Calcium	**42.1**		0.50	0.10	mg/L		06/11/18 11:29	06/13/18 14:55	1
Chromium	**0.032**		0.0040	0.0010	mg/L		06/11/18 11:29	06/13/18 14:55	1
Cobalt	**0.0035**	**J**	0.0040	0.00063	mg/L		06/11/18 11:29	06/13/18 14:55	1
Copper	**0.020**		0.010	0.0016	mg/L		06/11/18 11:29	06/13/18 14:55	1
Iron	**9.9**	**B**	0.050	0.019	mg/L		06/11/18 11:29	06/13/18 14:55	1
Lead	**0.0047**	**J**	0.010	0.0030	mg/L		06/11/18 11:29	06/13/18 14:55	1
Magnesium	**22.4**		0.20	0.043	mg/L		06/11/18 11:29	06/13/18 14:55	1
Manganese	**0.64**	**B**	0.0030	0.00040	mg/L		06/11/18 11:29	06/13/18 14:55	1
Nickel	**0.13**		0.010	0.0013	mg/L		06/11/18 11:29	06/13/18 14:55	1
Potassium	**26.3**	**^**	0.50	0.10	mg/L		06/11/18 11:29	06/13/18 14:55	1
Selenium	ND		0.025	0.0087	mg/L		06/11/18 11:29	06/13/18 14:55	1
Silver	ND		0.0060	0.0017	mg/L		06/11/18 11:29	06/13/18 14:55	1
Sodium	**667**	**^**	1.0	0.32	mg/L		06/11/18 11:29	06/13/18 14:55	1
Thallium	ND		0.020	0.010	mg/L		06/11/18 11:29	06/13/18 14:55	1
Vanadium	**0.0039**	**J**	0.0050	0.0015	mg/L		06/11/18 11:29	06/13/18 14:55	1
Zinc	**0.011**		0.010	0.0015	mg/L		06/11/18 11:29	06/13/18 14:55	1

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

TestAmerica Job ID: 480-136991-1

Client Sample ID: LEACHATE TANK BBT1
Date Collected: 06/06/18 10:40
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-1
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/19/18 12:30	06/19/18 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**26.6**	**B**	4.0	2.0	mg/L		06/12/18 00:09	06/12/18 15:54	2
Total Kjeldahl Nitrogen	**35.7**		2.0	1.5	mg/L		06/14/18 09:49	06/15/18 18:00	10
Chemical Oxygen Demand	**699**		50.0	25.0	mg/L			06/15/18 16:30	5
Phosphorus	**0.60**		0.020	0.010	mg/L			06/19/18 20:00	2
Phosphorus as PO4	**1.9**		0.061	0.031	mg/L			06/19/18 20:00	2
Biochemical Oxygen Demand	ND		60.0	60.0	mg/L			06/07/18 17:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**6.0**		4.0	4.0	mg/L			06/12/18 20:17	1
pH	**7.4**	**HF**	0.1	0.1	SU			06/07/18 18:15	1
Temperature	**18.6**	**HF**	0.001	0.001	Degrees C			06/07/18 18:15	1

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

TestAmerica Job ID: 480-136991-1

Client Sample ID: LEACHATE TANK BBT2
Date Collected: 06/06/18 11:20
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-2
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			06/09/18 02:20	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			06/09/18 02:20	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			06/09/18 02:20	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			06/09/18 02:20	10
1,1-Dichloroethane	ND		10	3.8	ug/L			06/09/18 02:20	10
1,1-Dichloroethene	ND		10	2.9	ug/L			06/09/18 02:20	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			06/09/18 02:20	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			06/09/18 02:20	10
1,2-Dibromoethane	ND		10	7.3	ug/L			06/09/18 02:20	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			06/09/18 02:20	10
1,2-Dichloroethane	ND		10	2.1	ug/L			06/09/18 02:20	10
1,2-Dichloropropane	ND		10	7.2	ug/L			06/09/18 02:20	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			06/09/18 02:20	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			06/09/18 02:20	10
2-Hexanone	ND		50	12	ug/L			06/09/18 02:20	10
2-Butanone (MEK)	ND		100	13	ug/L			06/09/18 02:20	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			06/09/18 02:20	10
Acetone	ND		100	30	ug/L			06/09/18 02:20	10
Benzene	ND		10	4.1	ug/L			06/09/18 02:20	10
Bromodichloromethane	ND		10	3.9	ug/L			06/09/18 02:20	10
Bromoform	ND		10	2.6	ug/L			06/09/18 02:20	10
Bromomethane	ND		10	6.9	ug/L			06/09/18 02:20	10
Carbon disulfide	ND		10	1.9	ug/L			06/09/18 02:20	10
Carbon tetrachloride	ND		10	2.7	ug/L			06/09/18 02:20	10
Chlorobenzene	ND		10	7.5	ug/L			06/09/18 02:20	10
Dibromochloromethane	ND		10	3.2	ug/L			06/09/18 02:20	10
Chloroethane	ND		10	3.2	ug/L			06/09/18 02:20	10
Chloroform	ND		10	3.4	ug/L			06/09/18 02:20	10
Chloromethane	ND		10	3.5	ug/L			06/09/18 02:20	10
cis-1,2-Dichloroethene	**240**		10	8.1	ug/L			06/09/18 02:20	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			06/09/18 02:20	10
Cyclohexane	ND		10	1.8	ug/L			06/09/18 02:20	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			06/09/18 02:20	10
Ethylbenzene	ND		10	7.4	ug/L			06/09/18 02:20	10
Isopropylbenzene	ND		10	7.9	ug/L			06/09/18 02:20	10
Methyl acetate	ND		25	13	ug/L			06/09/18 02:20	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			06/09/18 02:20	10
Methylcyclohexane	ND		10	1.6	ug/L			06/09/18 02:20	10
Methylene Chloride	**7.1**	**J**	10	4.4	ug/L			06/09/18 02:20	10
Styrene	ND		10	7.3	ug/L			06/09/18 02:20	10
Tetrachloroethene	ND		10	3.6	ug/L			06/09/18 02:20	10
Toluene	ND		10	5.1	ug/L			06/09/18 02:20	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			06/09/18 02:20	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			06/09/18 02:20	10
Trichloroethene	**27**		10	4.6	ug/L			06/09/18 02:20	10
Trichlorofluoromethane	ND		10	8.8	ug/L			06/09/18 02:20	10
Vinyl chloride	**33**		10	9.0	ug/L			06/09/18 02:20	10
Xylenes, Total	ND		20	6.6	ug/L			06/09/18 02:20	10

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

TestAmerica Job ID: 480-136991-1

Client Sample ID: LEACHATE TANK BBT2
Date Collected: 06/06/18 11:20
Date Received: 06/06/18 14:25

Lab Sample ID: 480-136991-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/09/18 02:20	10
Toluene-d8 (Surr)	108		80 - 120		06/09/18 02:20	10
4-Bromofluorobenzene (Surr)	99		73 - 120		06/09/18 02:20	10

Lab Chronicle

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

TestAmerica Job ID: 480-136991-1

Client Sample ID: LEACHATE TANK BBT1

Lab Sample ID: 480-136991-1
Date Collected: 06/06/18 10:40
Matrix: Water
Date Received: 06/06/18 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	418748	06/09/18 01:51	KMN	TAL BUF
Total/NA	Prep	3510C			418461	06/07/18 14:09	ATG	TAL BUF
Total/NA	Analysis	8270D		5	418646	06/08/18 20:49	RJS	TAL BUF
Total/NA	Prep	3510C			418578	06/08/18 07:33	AAP	TAL BUF
Total/NA	Analysis	8081B		1	418992	06/11/18 17:24	JLS	TAL BUF
Total/NA	Prep	3510C			418577	06/08/18 07:11	AAP	TAL BUF
Total/NA	Analysis	8082A		1	418907	06/11/18 14:35	W1T	TAL BUF
Total/NA	Prep	3005A			418899	06/11/18 11:29	KMP	TAL BUF
Total/NA	Analysis	6010C		1	419545	06/13/18 14:55	AMH	TAL BUF
Total/NA	Prep	7470A			420373	06/19/18 12:30	BMB	TAL BUF
Total/NA	Analysis	7470A		1	420593	06/19/18 16:45	BMB	TAL BUF
Total/NA	Prep	Distill/Ammonia			419070	06/12/18 00:09	MLS	TAL BUF
Total/NA	Analysis	350.1		2	419207	06/12/18 15:54	DCB	TAL BUF
Total/NA	Prep	351.2			419586	06/14/18 09:49	KEB	TAL BUF
Total/NA	Analysis	351.2		10	419950	06/15/18 18:00	CLT	TAL BUF
Total/NA	Analysis	410.4		5	419928	06/15/18 16:30	CEG	TAL BUF
Total/NA	Analysis	SM 2540D		1	419244	06/12/18 20:17	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	418569	06/07/18 18:15	JAH	TAL BUF
Total/NA	Analysis	SM 4500 P E		2	420522	06/19/18 20:00	DCB	TAL BUF
Total/NA	Analysis	SM 5210B		1	418559	06/07/18 17:05	MAB	TAL BUF

Client Sample ID: LEACHATE TANK BBT2

Lab Sample ID: 480-136991-2
Date Collected: 06/06/18 11:20
Matrix: Water
Date Received: 06/06/18 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	418748	06/09/18 02:20	KMN	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. TestAmerica Job ID: 480-136991-1
Project/Site: Patton's Busy Bee Disposal #902014

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

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

Method Summary

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

TestAmerica Job ID: 480-136991-1

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
7470A	Mercury (CVAA)	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
3005A	Preparation, Total Metals	SW846	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
Distill/Ammonia	Distillation, Ammonia	None	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
None = None
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: 480-136991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-136991-1	LEACHATE TANK BBT1	Water	06/06/18 10:40	06/06/18 14:25
480-136991-2	LEACHATE TANK BBT2	Water	06/06/18 11:20	06/06/18 14:25

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: B. SADOWSKI	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-113377-20296.1
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):			
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

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					
LEACHATE TANK BBT1	6/6/18	1040	G	Water			3	2	2	1	1	1	1	1	2	3					
				Water																	
				Water																	
LEACHATE TANK BBT2	6/6/18	1120	G	Water			3														

Preservation Codes:
A - HCL
B - NaOH
C - Zn Ace
D - Nitric
E - NaHS
F - MeOH
G - Amch
H - Ascor
I - Ice
J - DI Wat
K - EDTA
L - EDA
M - Hexane
N - None
hydrate
480-136991 COC
Other:

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: Brian Sadowski	Date/Time: 6/6/18 2:25	Company: D.E.C.	Received by: Chuckow Cikolb	Date/Time: 6/6/18 1425	Company: TA
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: 8.6 #1 ICE

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-136991-1

Login Number: 136991
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	Yes: Received same day of collection; chilling process has begun
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.	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	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	