

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

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Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-126867-1

Client Project/Site: Rickett's Dry Cleaners #546058

For:

New York State D.E.C.

232 Golf Course Rd

Warrensburg, New York 12885

Attn: Michael DiPietro



Authorized for release by:

11/10/2017 3:43:38 PM

Judy Stone, Senior Project Manager

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

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.



Judy Stone
Senior Project Manager
11/10/2017 3:43:38 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

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.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)

Case Narrative

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Job ID: 480-126867-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-126867-1

Receipt

The samples were received on 11/1/2017 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method(s) 8260C: Surrogate recovery for the following samples was outside control limits: PES-3 (7'-8') (480-126867-3), PES-4 (3'-4') (480-126867-4) and PES-6 (1'-2') (480-126867-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260C: Internal standard responses were outside of acceptance limits for the following samples: PES-3 (7'-8') (480-126867-3), PES-4 (3'-4') (480-126867-4) and PES-6 (1'-2') (480-126867-6). The samples show evidence of matrix interference.

Method(s) 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 490-473554.

Method(s) 8260C: The method blank for analytical batch 490-473858 contained 1,2,3-Trichlorobenzene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction or re-analysis of samples was not performed.

Method(s) 8260C: The method blank for analytical batch 490-473858 contained Methyl acetate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method(s) 8260C: The following samples were diluted due to the nature of the sample matrix: PES-3 (7'-8') (480-126867-3) and PES-6 (1'-2') (480-126867-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for analytical batch 490-473854 contained Toluene and Xylenes, Total above the method detection limit. The target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: Batch 490-473858 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-1 (5'-6')

Lab Sample ID: 480-126867-1

Date Collected: 10/26/17 10:10

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0023	0.00052	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,1,2-Trichloroethane	ND		0.0058	0.0016	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,1-Dichloroethane	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,1-Dichloroethene	ND		0.0023	0.00066	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2,4-Trichlorobenzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2-Dibromo-3-Chloropropane	ND		0.0058	0.00082	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2-Dichlorobenzene	ND		0.0023	0.00040	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2-Dichloroethane	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2-Dichloropropane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,3-Dichlorobenzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,4-Dichlorobenzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
2-Butanone (MEK)	ND		0.058	0.0059	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
2-Hexanone	ND		0.058	0.019	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		0.058	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Acetone	0.029	J	0.058	0.0098	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Benzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Bromoform	ND		0.0023	0.00064	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Bromomethane	ND		0.0023	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Carbon disulfide	ND		0.0058	0.0042	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Carbon tetrachloride	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Chlorobenzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Dibromochloromethane	ND		0.0023	0.00040	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Chloroethane	ND		0.0058	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Chloroform	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Chloromethane	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
cis-1,2-Dichloroethene	0.0025		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Cyclohexane	ND		0.012	0.00038	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Bromodichloromethane	ND		0.0023	0.00064	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Dichlorodifluoromethane	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Ethylbenzene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
1,2-Dibromoethane	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Isopropylbenzene	ND		0.0023	0.00048	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Methyl acetate	ND		0.012	0.0062	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Methyl tert-butyl ether	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Methylcyclohexane	ND		0.012	0.00051	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Methylene Chloride	ND		0.012	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Tetrachloroethene	ND		0.0023	0.00085	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Toluene	ND		0.0023	0.00086	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
trans-1,2-Dichloroethene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
trans-1,3-Dichloropropene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Trichloroethene	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Trichlorofluoromethane	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Vinyl chloride	ND		0.0023	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Xylenes, Total	ND		0.0070	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
cis-1,3-Dichloropropene	ND		0.0023	0.00078	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1
Styrene	ND		0.0023	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 18:02	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-1 (5'-6')

Date Collected: 10/26/17 10:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-1

Matrix: Solid

Percent Solids: 84.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130	11/03/17 14:31	11/06/17 18:02	1
4-Bromofluorobenzene (Surr)	103		70 - 130	11/03/17 14:31	11/06/17 18:02	1
Toluene-d8 (Surr)	99		70 - 130	11/03/17 14:31	11/06/17 18:02	1
Dibromofluoromethane (Surr)	98		70 - 130	11/03/17 14:31	11/06/17 18:02	1

Client Sample ID: PES-2 (6'-7')

Date Collected: 10/26/17 11:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-2

Matrix: Solid

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,1,2,2-Tetrachloroethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0023	0.00051	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,1,2-Trichloroethane	ND		0.0057	0.0016	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,1-Dichloroethane	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,1-Dichloroethene	ND		0.0023	0.00065	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2,4-Trichlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2-Dibromo-3-Chloropropane	ND		0.0057	0.00080	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2-Dichlorobenzene	ND		0.0023	0.00039	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2-Dichloroethane	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2-Dichloropropane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,3-Dichlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,4-Dichlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
2-Butanone (MEK)	ND		0.057	0.0058	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
2-Hexanone	ND		0.057	0.019	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		0.057	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Acetone	0.025	J	0.057	0.0096	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Benzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Bromoform	ND		0.0023	0.00063	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Bromomethane	ND		0.0023	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Carbon disulfide	ND		0.0057	0.0041	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Carbon tetrachloride	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Chlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Dibromochloromethane	ND		0.0023	0.00039	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Chloroethane	ND		0.0057	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Chloroform	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Chloromethane	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
cis-1,2-Dichloroethene	0.0017	J	0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Cyclohexane	ND		0.011	0.00038	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Bromodichloromethane	ND		0.0023	0.00063	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Dichlorodifluoromethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Ethylbenzene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
1,2-Dibromoethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Isopropylbenzene	ND		0.0023	0.00047	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Methyl acetate	ND		0.011	0.0061	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Methyl tert-butyl ether	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Methylcyclohexane	ND		0.011	0.00050	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Methylene Chloride	ND		0.011	0.00098	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Tetrachloroethene	ND		0.0023	0.00083	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-2 (6'-7')

Lab Sample ID: 480-126867-2

Date Collected: 10/26/17 11:10

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.0023	0.00085	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
trans-1,2-Dichloroethene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
trans-1,3-Dichloropropene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Trichloroethene	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Trichlorofluoromethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Vinyl chloride	ND		0.0023	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Xylenes, Total	ND		0.0069	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
cis-1,3-Dichloropropene	ND		0.0023	0.00077	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Styrene	ND		0.0023	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				11/03/17 14:31	11/06/17 18:31	1
4-Bromofluorobenzene (Surr)	97		70 - 130				11/03/17 14:31	11/06/17 18:31	1
Toluene-d8 (Surr)	99		70 - 130				11/03/17 14:31	11/06/17 18:31	1
Dibromofluoromethane (Surr)	100		70 - 130				11/03/17 14:31	11/06/17 18:31	1

Client Sample ID: PES-3 (7'-8')

Lab Sample ID: 480-126867-3

Date Collected: 10/26/17 12:05

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0022	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,1,2,2-Tetrachloroethane	ND		0.13	0.067	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0022	0.00049	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,1,2-Trichloroethane	ND		0.0054	0.0015	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,1-Dichloroethane	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,1-Dichloroethene	0.0036		0.0022	0.00062	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,2,3-Trichlorobenzene	ND		0.13	0.025	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,2,4-Trichlorobenzene	ND		0.13	0.045	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,2-Dibromo-3-Chloropropane	ND		0.33	0.047	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,2-Dichlorobenzene	0.20		0.13	0.023	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,2-Dichloroethane	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,2-Dichloropropane	ND		0.0022	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,3-Dichlorobenzene	ND		0.13	0.045	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
1,4-Dichlorobenzene	ND		0.13	0.063	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
2-Butanone (MEK)	0.056		0.054	0.0055	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
2-Hexanone	ND		0.054	0.018	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.054	0.0021	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Acetone	0.027	J	0.054	0.0091	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Benzene	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Bromoform	ND		0.0022	0.00060	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Bromomethane	ND		0.0022	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Carbon disulfide	0.0076		0.0054	0.0039	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Carbon tetrachloride	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Chlorobenzene	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Dibromochloromethane	ND		0.0022	0.00037	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Chloroethane	ND		0.0054	0.0021	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Chloroform	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Chloromethane	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-3 (7'-8')

Lab Sample ID: 480-126867-3

Date Collected: 10/26/17 12:05

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		0.011	0.00036	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Bromodichloromethane	ND		0.0022	0.00060	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
cis-1,2-Dichloroethene	1.9		0.13	0.045	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
Dichlorodifluoromethane	ND		0.0022	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Ethylbenzene	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
1,2-Dibromoethane	ND		0.0022	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Isopropylbenzene	ND		0.0022	0.00045	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Methyl acetate	ND		0.011	0.0058	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Methyl tert-butyl ether	ND		0.0022	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Methylcyclohexane	ND		0.011	0.00048	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Methylene Chloride	ND		0.011	0.00094	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Toluene	ND		0.0022	0.00080	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
trans-1,2-Dichloroethene	0.022		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
trans-1,3-Dichloropropene	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Tetrachloroethene	8.5		0.13	0.045	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
Trichlorofluoromethane	ND		0.0022	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Vinyl chloride	0.037		0.0022	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Xylenes, Total	ND		0.0065	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
cis-1,3-Dichloropropene	ND		0.0022	0.00073	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1
Trichloroethene	3.0		0.13	0.067	mg/Kg	☼	11/03/17 14:27	11/07/17 19:57	1
Styrene	ND		0.0022	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130	11/03/17 14:31	11/06/17 20:14	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130	11/03/17 14:27	11/07/17 19:57	1
4-Bromofluorobenzene (Surr)	165	X *	70 - 130	11/03/17 14:31	11/06/17 20:14	1
4-Bromofluorobenzene (Surr)	98		70 - 130	11/03/17 14:27	11/07/17 19:57	1
Dibromofluoromethane (Surr)	102		70 - 130	11/03/17 14:27	11/07/17 19:57	1
Toluene-d8 (Surr)	120		70 - 130	11/03/17 14:31	11/06/17 20:14	1
Dibromofluoromethane (Surr)	91		70 - 130	11/03/17 14:31	11/06/17 20:14	1
Toluene-d8 (Surr)	100		70 - 130	11/03/17 14:27	11/07/17 19:57	1

Client Sample ID: PES-4 (3'-4')

Lab Sample ID: 480-126867-4

Date Collected: 10/26/17 13:25

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0023	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,1,2,2-Tetrachloroethane	ND		0.13	0.063	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0023	0.00051	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,1,2-Trichloroethane	ND		0.0057	0.0016	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,1-Dichloroethane	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,1-Dichloroethene	ND		0.0023	0.00065	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,2,3-Trichlorobenzene	ND		0.13	0.024	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,2,4-Trichlorobenzene	ND		0.13	0.043	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,2-Dibromo-3-Chloropropane	ND		0.31	0.044	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,2-Dichlorobenzene	ND		0.13	0.021	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,2-Dichloroethane	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,2-Dichloropropane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-4 (3'-4')

Lab Sample ID: 480-126867-4

Date Collected: 10/26/17 13:25

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.13	0.043	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
1,4-Dichlorobenzene	ND		0.13	0.059	mg/Kg	☼	11/03/17 14:27	11/07/17 13:38	1
2-Butanone (MEK)	ND		0.057	0.0058	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
2-Hexanone	ND		0.057	0.019	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.057	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Acetone	0.023	J	0.057	0.0095	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Benzene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Bromoform	ND		0.0023	0.00062	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Bromomethane	ND		0.0023	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Carbon disulfide	ND		0.0057	0.0041	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Carbon tetrachloride	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Chlorobenzene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Dibromochloromethane	ND		0.0023	0.00039	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Chloroethane	ND		0.0057	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Chloroform	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Chloromethane	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
cis-1,2-Dichloroethene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Cyclohexane	ND		0.011	0.00037	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Bromodichloromethane	ND		0.0023	0.00062	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Dichlorodifluoromethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Ethylbenzene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
1,2-Dibromoethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Isopropylbenzene	ND		0.0023	0.00047	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Methyl acetate	ND		0.011	0.0060	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Methyl tert-butyl ether	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Methylcyclohexane	ND		0.011	0.00050	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Methylene Chloride	ND		0.011	0.00098	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Tetrachloroethene	ND		0.0023	0.00083	mg/Kg	☼	11/03/17 14:31	11/07/17 16:15	1
Toluene	ND		0.0023	0.00084	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
trans-1,2-Dichloroethene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
trans-1,3-Dichloropropene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Trichloroethene	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/07/17 16:15	1
Trichlorofluoromethane	ND		0.0023	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Vinyl chloride	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Xylenes, Total	ND		0.0068	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
cis-1,3-Dichloropropene	ND		0.0023	0.00076	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1
Styrene	ND		0.0023	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 130	11/03/17 14:31	11/06/17 20:42	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130	11/03/17 14:31	11/07/17 16:15	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130	11/03/17 14:27	11/07/17 13:38	1
4-Bromofluorobenzene (Surr)	141	X *	70 - 130	11/03/17 14:31	11/06/17 20:42	1
4-Bromofluorobenzene (Surr)	135	X *	70 - 130	11/03/17 14:31	11/07/17 16:15	1
4-Bromofluorobenzene (Surr)	97		70 - 130	11/03/17 14:27	11/07/17 13:38	1
Dibromofluoromethane (Surr)	94		70 - 130	11/03/17 14:27	11/07/17 13:38	1
Toluene-d8 (Surr)	138	X	70 - 130	11/03/17 14:31	11/06/17 20:42	1
Toluene-d8 (Surr)	132	X	70 - 130	11/03/17 14:31	11/07/17 16:15	1
Dibromofluoromethane (Surr)	98		70 - 130	11/03/17 14:31	11/06/17 20:42	1
Dibromofluoromethane (Surr)	108		70 - 130	11/03/17 14:31	11/07/17 16:15	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-4 (3'-4')

Date Collected: 10/26/17 13:25

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-4

Matrix: Solid

Percent Solids: 87.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130	11/03/17 14:27	11/07/17 13:38	1

Client Sample ID: PES-5 (5'-6')

Date Collected: 10/26/17 14:25

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-5

Matrix: Solid

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0024	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,1,2,2-Tetrachloroethane	ND		0.0024	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0024	0.00053	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,1,2-Trichloroethane	ND		0.0059	0.0016	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,1-Dichloroethane	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,1-Dichloroethene	ND		0.0024	0.00067	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2,4-Trichlorobenzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2-Dibromo-3-Chloropropane	ND		0.0059	0.00082	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2-Dichlorobenzene	ND		0.0024	0.00040	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2-Dichloroethane	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2-Dichloropropane	ND		0.0024	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,3-Dichlorobenzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,4-Dichlorobenzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
2-Butanone (MEK)	ND		0.059	0.0060	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
2-Hexanone	ND		0.059	0.020	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.059	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Acetone	0.021	J	0.059	0.0099	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Benzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Bromoform	ND		0.0024	0.00065	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Bromomethane	ND		0.0024	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Carbon disulfide	ND		0.0059	0.0042	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Carbon tetrachloride	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Chlorobenzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Dibromochloromethane	ND		0.0024	0.00040	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Chloroethane	ND		0.0059	0.0022	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Chloroform	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Chloromethane	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
cis-1,2-Dichloroethene	0.024		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Cyclohexane	ND		0.012	0.00039	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Bromodichloromethane	ND		0.0024	0.00065	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Dichlorodifluoromethane	ND		0.0024	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Ethylbenzene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
1,2-Dibromoethane	ND		0.0024	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Isopropylbenzene	0.0029		0.0024	0.00048	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Methyl acetate	ND		0.012	0.0062	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Methyl tert-butyl ether	ND		0.0024	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Methylcyclohexane	ND		0.012	0.00052	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Methylene Chloride	ND		0.012	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Tetrachloroethene	0.049		0.0024	0.00086	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Toluene	ND		0.0024	0.00087	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
trans-1,2-Dichloroethene	0.0010	J	0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-5 (5'-6')

Lab Sample ID: 480-126867-5

Date Collected: 10/26/17 14:25

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Trichloroethene	0.014		0.0024	0.0011	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Trichlorofluoromethane	ND		0.0024	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Vinyl chloride	ND		0.0024	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Xylenes, Total	0.0085		0.0071	0.0014	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
cis-1,3-Dichloropropene	ND		0.0024	0.00079	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1
Styrene	ND		0.0024	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130	11/03/17 14:31	11/06/17 21:10	1
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/17 14:31	11/06/17 21:10	1
Toluene-d8 (Surr)	108		70 - 130	11/03/17 14:31	11/06/17 21:10	1
Dibromofluoromethane (Surr)	97		70 - 130	11/03/17 14:31	11/06/17 21:10	1

Client Sample ID: PES-6 (1'-2')

Lab Sample ID: 480-126867-6

Date Collected: 10/26/17 15:20

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0021	0.00096	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,1,2,2-Tetrachloroethane	ND		0.11	0.054	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0021	0.00047	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,1,2-Trichloroethane	ND		0.27	0.075	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,1-Dichloroethane	ND		0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,1-Dichloroethene	ND		0.0021	0.00060	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,2,3-Trichlorobenzene	ND		0.11	0.020	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,2,4-Trichlorobenzene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,2-Dibromo-3-Chloropropane	ND		0.27	0.037	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,2-Dichlorobenzene	0.074	J	0.11	0.018	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,2-Dichloroethane	ND		0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,2-Dichloropropane	ND		0.0021	0.00098	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
1,3-Dichlorobenzene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
1,4-Dichlorobenzene	ND		0.11	0.050	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
2-Butanone (MEK)	0.073		0.052	0.0053	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
2-Hexanone	ND		2.7	0.90	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
4-Methyl-2-pentanone (MIBK)	ND		2.7	0.91	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Acetone	0.21		0.052	0.0088	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Benzene	0.0063		0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Bromoform	ND		0.11	0.030	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Bromomethane	ND		0.0021	0.0013	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Carbon disulfide	ND		0.0052	0.0038	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Carbon tetrachloride	ND		0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Chlorobenzene	0.058	J	0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Chloroethane	ND		0.0052	0.0020	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Chlorodibromomethane	ND		0.11	0.018	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Chloroform	0.0013	J	0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Chloromethane	0.0011	J	0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Cyclohexane	ND		0.010	0.00035	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Bromodichloromethane	ND		0.0021	0.00058	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-6 (1'-2')

Lab Sample ID: 480-126867-6

Date Collected: 10/26/17 15:20

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
cis-1,3-Dichloropropene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Dichlorodifluoromethane	ND		0.0021	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Methyl acetate	ND		0.010	0.0055	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Ethylbenzene	2.0		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Methyl tert-butyl ether	ND		0.0021	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Ethylene Dibromide	ND		0.11	0.054	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Methylcyclohexane	ND		0.010	0.00046	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Isopropylbenzene	0.54		0.11	0.022	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Methylene Chloride	ND		0.010	0.00090	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
trans-1,2-Dichloroethene	0.084		0.0021	0.00070	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Styrene	2.7		0.11	0.059	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Tetrachloroethene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Toluene	17		0.11	0.040	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Trichlorofluoromethane	ND		0.0021	0.0010	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
Vinyl chloride	0.022		0.0021	0.0012	mg/Kg	☼	11/03/17 14:31	11/06/17 21:37	1
trans-1,3-Dichloropropene	ND		0.11	0.036	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Trichloroethene	0.088	J	0.11	0.054	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1
Xylenes, Total	16		0.32	0.066	mg/Kg	☼	11/03/17 14:27	11/07/17 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	11/03/17 14:31	11/06/17 21:37	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130	11/03/17 14:27	11/07/17 20:52	1
4-Bromofluorobenzene (Surr)	132	X *	70 - 130	11/03/17 14:31	11/06/17 21:37	1
4-Bromofluorobenzene (Surr)	104		70 - 130	11/03/17 14:27	11/07/17 20:52	1
Dibromofluoromethane (Surr)	95		70 - 130	11/03/17 14:27	11/07/17 20:52	1
Toluene-d8 (Surr)	146	X *	70 - 130	11/03/17 14:31	11/06/17 21:37	1
Dibromofluoromethane (Surr)	103		70 - 130	11/03/17 14:31	11/06/17 21:37	1
Toluene-d8 (Surr)	99		70 - 130	11/03/17 14:27	11/07/17 20:52	1

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-1 (5'-6')

Date Collected: 10/26/17 10:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-1 (5'-6')

Date Collected: 10/26/17 10:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-1

Matrix: Solid

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473550	11/06/17 18:02	S1S	TAL NSH

Client Sample ID: PES-2 (6'-7')

Date Collected: 10/26/17 11:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-2 (6'-7')

Date Collected: 10/26/17 11:10

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-2

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473550	11/06/17 18:31	S1S	TAL NSH

Client Sample ID: PES-3 (7'-8')

Date Collected: 10/26/17 12:05

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-3 (7'-8')

Date Collected: 10/26/17 12:05

Date Received: 11/01/17 11:00

Lab Sample ID: 480-126867-3

Matrix: Solid

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473554	11/06/17 20:14	C1A	TAL NSH
Total/NA	Prep	5030C			473205	11/03/17 14:27	CU	TAL NSH
Total/NA	Analysis	8260C		1	473858	11/07/17 19:57	P1B	TAL NSH

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-4 (3'-4')

Lab Sample ID: 480-126867-4

Date Collected: 10/26/17 13:25

Matrix: Solid

Date Received: 11/01/17 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-4 (3'-4')

Lab Sample ID: 480-126867-4

Date Collected: 10/26/17 13:25

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473205	11/03/17 14:27	CU	TAL NSH
Total/NA	Analysis	8260C		1	473854	11/07/17 13:38	S1S	TAL NSH
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473554	11/06/17 20:42	C1A	TAL NSH
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473858	11/07/17 16:15	P1B	TAL NSH

Client Sample ID: PES-5 (5'-6')

Lab Sample ID: 480-126867-5

Date Collected: 10/26/17 14:25

Matrix: Solid

Date Received: 11/01/17 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-5 (5'-6')

Lab Sample ID: 480-126867-5

Date Collected: 10/26/17 14:25

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH
Total/NA	Analysis	8260C		1	473554	11/06/17 21:10	C1A	TAL NSH

Client Sample ID: PES-6 (1'-2')

Lab Sample ID: 480-126867-6

Date Collected: 10/26/17 15:20

Matrix: Solid

Date Received: 11/01/17 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473480	11/05/17 10:21	BAA	TAL NSH

Client Sample ID: PES-6 (1'-2')

Lab Sample ID: 480-126867-6

Date Collected: 10/26/17 15:20

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			473206	11/03/17 14:31	CU	TAL NSH

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Client Sample ID: PES-6 (1'-2')

Lab Sample ID: 480-126867-6

Date Collected: 10/26/17 15:20

Matrix: Solid

Date Received: 11/01/17 11:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	473554	11/06/17 21:37	C1A	TAL NSH
Total/NA	Prep	5030C			473205	11/03/17 14:27	CU	TAL NSH
Total/NA	Analysis	8260C		1	473858	11/07/17 20:52	P1B	TAL NSH

Laboratory References:

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: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

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

Laboratory: TestAmerica Nashville

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	11342	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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Rickett's Dry Cleaners #546058

TestAmerica Job ID: 480-126867-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-126867-1

Project/Site: Rickett's Dry Cleaners #546058

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-126867-1	PES-1 (5'-6')	Solid	10/26/17 10:10	11/01/17 11:00
480-126867-2	PES-2 (6'-7')	Solid	10/26/17 11:10	11/01/17 11:00
480-126867-3	PES-3 (7'-8')	Solid	10/26/17 12:05	11/01/17 11:00
480-126867-4	PES-4 (3'-4')	Solid	10/26/17 13:25	11/01/17 11:00
480-126867-5	PES-5 (5'-6')	Solid	10/26/17 14:25	11/01/17 11:00
480-126867-6	PES-6 (1'-2')	Solid	10/26/17 15:20	11/01/17 11:00

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-126867-1

Login Number: 126867

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	PES
Samples received within 48 hours of sampling.	False	
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: 480-126867-1

Login Number: 126867

List Number: 2

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 11/03/17 12:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Temperature on Receipt _____

480501-Albany

Chain of
Custody Record

TAL-4124 (1007)

Client NYS DEC Region 5	Project Manager Michael Dipietro	Date 10/26/2017	Chain of Custody Number 295473
Address 232 Golf Course Road	Telephone Number (Area Code)/Fax Number 518-623-1236	Lab Number 1	Page 1 of 1
City Warrensburg	State NY	Zip Code 12885	

Project Name and Location (State) Ricketts (NY)	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Contract/Purchase Order/Quote No. Spill 546058	Carrier/Waybill Number		



Special
Condition

480-128857 COC

Containers & Preservatives

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

Matrix

Aqueous

Sed

Soil

Time

Date

10/26/17

10:10

11:10

12:05

13:25

14:25

15:20

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

PES-1 (5'-6')

PES-2 (6'-7')

PES-3 (7'-8')

PES-4 (3'-4')

PES-5 (5'-6')

PES-6 (1'-2')

Possible Hazard Identification	Sample Disposal	QC Requirements (Specify)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ 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	1. Relinquished By	2. Relinquished By	3. Relinquished By
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other <u>Standard</u>	<u>John Johnson</u> (To Fridge)	<u>John Johnson</u>	<u>John Johnson</u>
Date 10/27/17	Date 10/27/17	Date 10/31/17	Date 10/31/17
Time 12:00	Time 18:00	Time 11:00	Time 0730

Comments
cc: John Johnson@PES

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN



480-126867 Chain of Custody

COOLER RECEIPT FOR

Cooler Received/Opened On 11/3/2017 @ 09:30

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 3015 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 17960358 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 2.7 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) HG

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



Larger than this.

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

