Interim Remedial Measures Report

for the

Former RKO Cleaners

566 Washington Avenue
Albany, Albany County, New York

NYSDEC Site Number: 401065
NYSDEC Callout Number: 120962

Prepared for:
Mr. Ralph Keating
NYSDEC-Central Office
625 Broadway
Albany, NY 12233-7020

Prepared by:
Aztech Technologies, Inc.
5 McCrea Hill Road
Ballston Spa, New York 12020
(518) 885-5383

Aztech
Technologies, Inc.

October 30, 2012

Table of Contents

List of Figures

List of Tables

List of Attachments

1.0 INTRODUCTION

On May 29, 2012, New York State Department of Environmental Conservation (NYSDEC) issued a callout (Callout No. 120962) to Aztech Technologies, Inc. (Aztech) for conducting basement dewatering and sampling of drummed and other wastes at the former RKO Cleaners located at 566 Washington Avenue in the City of Albany, Albany County, New York (**Figure 1 –** the Site). The Site is bordered by Washington Avenue to the northeast; Ontario Street to the northwest, and; residential properties to the southwest and southeast.

At the start of the project, the Site included an approximately 2,600 square foot single story structure of steel and masonry construction. The structure was built in approximately 1950 and, was primarily slab-on-grade with a flat wood-frame roof. A full basement was beneath approximately 25-percent of the buildings footprint. The structure had been vacant for approximately 12 years and, was boarded-up to restrict unauthorized access. A site map is presented in **Figure 2**.

1.1 Site Background

The Site was the location of a former dry cleaning business (RKO Cleaners and Tailors), from approximately 1964 until 2000, when a fire occurred in December of that year. According to information regarding the site history, provided by NYSDEC in callout 120962, the NYSDEC "spills database lists that dry cleaning fluid may have been spilled, but were consumed by the fire". The fire spread throughout the interior of the building, leaving fire damage throughout much of the structure. The fire, and associated fire fighting activities, resulted in several holes in the roof that had routinely allowed rainwater to pour into the building and, ultimately, into the basement area where containers of liquids believed to be associated with the former dry-cleaning operations were present. After the fire in 2000, the structure was boarded-up and left vacant.

On May 1, 2012, personnel from the NYSDEC visited the site to evaluate its condition and, to obtain samples of several feet of rainwater that had collected in the basement of the structure. Water samples obtained as part of that site visit were submitted to the Buffalo, New York division of Test America Laboratories, Inc. where they were analyzed for the target compound list (TCL) of volatile organic compounds (VOCs) via analytical method 8260; TCL semi-VOCs via analytical method 8270; TCL pesticides via analytical method 8081; TCL polychlorinated bi-phenyls (PCBs) via method 8081, and; target analyte list (TAL) metals via method 6010. Analytical results of those samples identified the compounds tetrachloroethene (PCE), trichloroethene (TCE) and, cis-1,2-dichloroethene (DCE) at concentrations of 3,000 micrograms per liter (ug/l), 950 ug/l and, 700 ug/l, respectively. These concentrations are in excess of the NYSDEC standards for class GA groundwater (6NYCRR Part 703) and, additionally, the federal hazardous waste criteria. PCE is frequently associated with dry cleaning operations and TCE and DCE are typical by-products of PCE degradation.

A site visit conducted on June 6th, 2012 that included personnel from NYSDEC, Albany County and Aztech found the building interior to be extensively damaged by fire to the underside of the wood-frame roof and, a set of wooden stairs located in the southern portion of the building. Remnant pieces of sheetrock and metal racks hung from the ceiling. The wooden sub-floor that extended over the southern portion of the building footprint (i.e. over the basement area) was rotted-through in several places. Where present, the sub-floor appeared to be unsound. The basement area was filled with an estimated three feet of water that was greenish in appearance. Also present in the basement were what appeared to be various pieces of equipment, various containers (potentially filled with unknown liquids) and miscellaneous debris. Further investigation of the basement area could not be conducted at that time because of the presence of impacted water in the basement and the unsafe nature of the basement stairs and sub-floor. Atmospheric monitoring within the basement and main floor areas of the site building (with a photoionization detector (PID) and a four gas meter that monitors oxygen content, lower

explosive limit (LEL), carbon monoxide and hydrogen sulfide) did not indicate any readings of concern at that time.

A subsequent site visit was conducted on June 13, 2012 by Aztech personnel and Mr. Michael Needham, a Certified Industrial Hygenist (CIH), of Needham Risk Management, Inc., Mr. Joseph McElroy of Albany County Department of General Services and, Mr. James Quinn of NYSDEC. During that site visit, several potentially hazardous elements were identified that would need to be addressed at the site in order to protect the safety of personnel working at the site and the community while site activities are on-going. These elements included the structural integrity of the building; mold; asbestos; confined space entry, and; other potential hazards. All present at the site during that meeting were in agreement that given the condition of the property, the nature of the water within the basement and, its location within the City of Albany, that remedial and investigative work should proceed as soon as possible. Photographs depicting the general condition of the site building are included in **Attachment A**.

Prior to commencing with any further site remedial activities, Aztech requested a site visit by Mr. Ernest Gailor, a professional engineer, licensed in the State of New York and owner of Harlan-McGee Associates based in Malta, NY. The purpose of that June 19, 2012 site visit was for Mr. Gailor to evaluate the structural integrity of the site building. Based on that evaluation, Mr. Gailor prepared a letter stating that, in his professional opinion, …"in its present condition, it would be a violation of applicable OSHA regulations and the New York State Industrial Code Rules to allow workmen into [the] building for any purpose." Mr. Gailors letter is presented in **Attachment B**.

Based on Mr. Gailor's opinion, the City of Albany, Albany County and, the NYSDEC determined that the building condition presented an emergency situation to the community and, that razing the site building was the appropriate course of action.

2.0 INTERIM REMEDIAL MEASURES

Several Interim remedial measures (IRMs) were implemented at the site in order to reduce the threat to the local community. Implementation of these measures was based on Mr. Gailor's assessment of the structural integrity of the site building and, the nature of the materials therein as demonstrated by NYSDEC's initial sampling of the water within the basement area. These measures include demolition of the site building and disposing construction and demolition (C&D) debris; dewatering the basement area; removing containers of unknown liquids from the C&D debris; removing and disposing of hazardous C&D debris; sampling sub-slab soil and groundwater; backfilling the basement area; removing a fuel oil underground storage tank (UST), and; disposing of investigation derived waste (IDW). These interim remedial measures were implemented beginning in June, 2012 and were completed by late September, 2012. Details are provided in the following sections; photographs depicting various phases of site work are included in Attachment A.

2.1 Building Demolition

Upon receipt of Mr. Gailor's June 19, 2012 determination that the site building was structurally unsound, the City of Albany convened a site meeting with potential demolition contractors who would submit sealed bids for emergency demolition and disposal of the site building. That site meeting/bid opening was held on Thursday, June 21, 2012.

The demolition contract was awarded to Provincial Contractor Services of Castleton, New York. Once the contract was awarded, demolition commenced immediately and was completed the following day (June 22, 2012). Provincial cleared all of the C&D debris from the footprint of the site building. However, the basement area had filled-in with C&D debris while the building was being razed. Provincial removed and disposed a portion of that material that had not fallen into

the standing water in the basement. When provincial was finished with demolition on June 22, C&D debris remained in the basement with approximately four feet of standing water.

2.2 Basement Dewatering

Aztech mobilized to the site on the afternoon of June 22, 2012 to commence with dewatering of the basement. The water was removed from the basement via a submersible pump that was set in an area of the basement floor that was cleared of C&D debris by the demolition contractor using an excavator. The submersible pump was set on the basement floor and conveyed the water first through a bag filter, to remove particulates, then through two 2,000-pound liquid-phase granular activated carbon (GAC) units connected in series. Prior to discharge, Aztech Chief Operations Manager Christopher Homicz conferred with Mr. James Quinn (NYSDEC) via telephone and at the site with personnel from the City of Albany to verify authorization to dispose the treated water to the Albany municipal sewer system. Access to the municipal sewer system was via the sewer manhole located in the sidewalk in front of 566 Washington Ave.

Basement dewatering commenced at approximately 5:00 PM on Friday (June 22, 2012) and continued round-the-clock through Sunday (June 24, 2012) until approximately 6:00 AM. An effluent sample collected on Saturday (June 23, 2012) prior to discharge indicated an estimated PCE concentration of 1.1 ug/l. Based on the combined concentrations of PCE, TCE and DCE (4,650 ug/l) in the sample collected by NYSDEC on May 1, 2012, the removal efficiency of the treatment system was 99.97 percent. Approximately 3.0 inches of water were left in the basement.

The remaining volume of water was removed via a vacuum (vac) truck, operated by TMC Environmental of Albany, New York, on June 26, 2012. The residual water removed from the basement was conveyed through the liquid phase carbon units prior to discharge. Dewatering of the basement area was completed on June 26, 2012.

Upon completion of the dewatering phase of the project, the basement contained approximately three feet of C&D debris. The upper portion contained an abundance of concrete block that had fallen into the basement during demolition activities. The lower portion contained a fine grained material of sludge-like consistency. Photographs of various stages of the basement dewatering are included in Attachment A.

2.3 Removal of Containers from C&D Debris

During the course of basement dewatering, several approximately 5.0-gallon plastic containers were identified amongst the C&D debris and water in the basement. After dewatering was completed, Aztech personnel retrieved and staged a total of five partially full containers on June 26, 2012. Each container held an unknown liquid (presumed to be dry-cleaning chemical) and was individually sampled. After sampling, each container was placed within its own 55-gallon drum until a determination of the nature of the liquids could be made. The drums were sealed and temporarily stored within a locked sea-box shipping container that was placed on the site. A sixth container was later found and removed from the C&D debris on July 11, 2012. That container was also sampled, then placed within its own 55-gallon drum pending receipt of analytical results. Samples of the unknown liquids were collected in laboratory-supplied glassware and shipped under chain-of-custody protocols to Test America-Buffalo where they were analyzed for the full list of VOCs via analytical method 8260.

As shown in **Table 1** below, the analytical results of the six samples of unknown liquids indicate that these liquids share a similar composition, with PCE as their primary constituent. Based on the fact that these liquids were of similar composition, these containers were later combined into two drums by MC Environmental Services, of South Glens Falls, New York. The drums were subsequently disposed under the F002 waste code at the Veolia Environmental Services facility in West Carrollton, Ohio. The manifesting for these two drums is included in **Attachment C**. The analytical laboratory reports for the six unknown liquids are included in **Attachment D**.

Table 1
Summary of Unknown Liquids Analytical Results

Compound	Drum 1	Drum 2	Drum 3	Drum 4	Drum 5	Drum 6
1,2-DCB	240,000	< 20	640,000	< 500	< 500	580,000
cis-1,2-DCE	2,900 J	50	< 10,000	< 500	< 500	72,000
Isopropylbenzene	1,800 J	< 20	4,500 J	< 500	< 500	3,900 J
TCE	25,000	71	20,000	360 J	350 J	720,000
PCE	2,400,000	1,700	2,200,000	300,000	41,000	390,000,000
Xylenes, total	6,500 J	< 40	11,000 J	< 1,000	< 1,000	23,000

Notes:
Concentrations in micrograms per milliliter (ug.l)
J = Estimated concentration
DCE = Dichloroethene
DCB = Dichlorobenzene

2.4 Removal and Disposal of Hazardous C&D Debris

As indicated previously, the basement contained approximately three feet of C&D debris upon completion of the dewatering phase of the project. On July 9, 2012, approximately two weeks after completing the dewatering of the basement, Aztech mobilized to the site in order to coordinate and remove the remaining C&D debris from the site and basement. However, removal of C&D debris did not commence until July 11, 2012 pending receipt of two 20 cubic yard rolloff containers and, authorization to ship the C&D debris to the High Acres Landfill in Fairport, New York.

Removal of the C&D debris began on July 11, 2012 by surgically picking non-impacted debris, consisting primarily of concrete block and other “large” items from the top of the debris pile. This material was selected, screened and authorized to be removed from the site as non-hazardous C&D by Mr. Ralph Keating of the NYSDEC. A total of 22.28 tons of C&D debris were transported to the High Acres Landfill by TMC Environmental on that date. Manifesting for this non-hazardous C&D debris is included in Attachment C.

Aztech coordinated with TMC Environmental to provide a vac truck to the site on July 12, 2012 in order to remove residual liquids that had accumulated in the basement area over the two week period since June 26, 2012 . This water is thought to be residual liquid that had drained from the C&D debris over that period. TMC removed 541 gallons of liquid from the basement on July 12, 2012 and transported it under waste codes D039, D040 and F002 to Norlite Corporation, in Cohoes, New York, for disposal. Manifesting for that liquid disposal is included in Attachment C.

Concurrent with TMC removing the residual liquids from the basement area, the remaining C&D debris, which had been previously sampled and analyzed for hazardous waste characterization, was removed from the basement. The remainder of the residue in the basement area was dried with approximately 2,000 pounds of absorbent, which was subsequently removed from the basement and placed in one of the two rolloffs containing the hazardous C&D debris. Hazardous debris removal was completed on July 13, 2012.

A total tonnage of 22.28 tons of hazardous C&D debris from the site was disposed-of at the Environmental Quality Company (EQ) Michigan Disposal Waste Treatment facility located in Belleville, Michigan. One rolloff was removed from the site and transported by the Glenmont office of Environmental Products and Services of Vermont, Inc., under contract to Aztech on July 18, 2012. The second rolloff was transported by Goulet Trucking of South Deerfield, Massachussetts, under subcontract to TMC Environmental on July 19, 2012. Manifesting for the hazardous C&D debris is included in Attachment C; the analytical laboratory report documenting the hazardous waste determination for the hazardous C&D debris is included in Attachment D.

2.5 Sub-Slab Soil and Groundwater Sampling

After completing the removal of the hazardous C&D debris from the basement on July 13, 2012, a corehole was advanced through the concrete slab. Once the concrete core was removed, a sub-slab soil sample was obtained by advancing a stainless steel bucket auger approximately 6.0-inches into the sub-slab soil. The soil sample was transferred to laboratory supplied glassware and placed on ice in accordance with standard sample handling procedures. Additionally, once the soil core was removed, the shallow borehole began to fill with infiltrating groundwater. As such, a sub-slab groundwater sample was collected directly from the borehole by "dipping" pre-preserved and laboratory supplied glassware into the infiltrating groundwater. After completing the sub-slab soil and groundwater sampling, the borehole was sealed with hydrated bentonite. Both samples were submitted to Test America – Buffalo, under chain-of-custody protocols, where they were analyzed for the full list of VOCs via analytical method 8260. The location of the sub-slab soil and groundwater samples is shown on **Figure 3**.

The analytical results for the sub-slab soil and groundwater samples are summarized and included in **Table 2** below. Also included in Table 2 is a summary of the analytical results of the two basement water samples (RKO Base 1 and RKO Base 2) obtained by NYSDEC on May 1, 2012. A review of the sub-slab groundwater results indicates that the three predominant compounds identified in RKO Base 1 and RKO Base 2 were also the predominant compounds identified in the sub-slab groundwater. These compounds include DCE (150 ug/l); PCE (4,700 ug/l) and TCE (200 ug/l) in SB-1 (water). Each of these concentrations are comparable to those identified in RKO Base 1 and RKO Base 2 and, are in excess of their respective GW standard as defined by 6NYCRR Part 703. These three compounds were also identified in the sub-slab soil (SB-1). The soil analytical results are below their respective soil cleanup objective for commercial use, as defined by 6NYCRR Part 375-6.8(b).

Table 2
Summary of Basement Water, Sub-Slab Water and Sub-Slab Soil Analytical Results

Compound	Water				Soil	
	GW Standard	RKO Base 1	RKO Base 2	SB-1	SCO	SB-1
1,1-DCE	5.0	1.2	1.3	< 4.0	500,000	< 110
1,2-DCB	3.0	1.9	2.5	< 4.0	500,000	< 110
Dichlorodifluoromethane	5.0	1.6	1.5	< 4.0		< 110
Trans-1,2-DCE	5.0	**11**	**15**	< 4.0	500,000	< 110
Trichlorofluoromethane	5.0	1.0	0.94 J	< 4.0		< 110
Vinyl Chloride	2.0	0.97 J	1.5	< 4.0	13,000	< 110
Cis-1,2-DCE	5.0	**500**	**700**	**150**	500,000	60 J
PCE	5.0	**2,800**	**3,000**	**4,700**	150,000	6,300
TCE	5.0	**660**	**950**	**200**	200,000	290

Notes:
Water Concentrations in micrograms per milliliter (ug.l)
Soil Concentrations in micrograms per kilogram (ug/kg)
GW Standard for Class GA Groundwater (6NYCRR Part 703)
SCO – Soil cleanup objective for commercial use (6NYCRR Part 375-6.8(b))
Blank space indicates SCO not established for this compound

J = Estimated concentration
DCE = Dichloroethene
DCB = Dichlorobenzene
Concentrations in **Bold** exceed their respective GW standard

2.6 Backfilling the Basement Area

After completing the removal of debris from the basement area and completing the sampling of sub-slab soil and groundwater, the basement area was ready to be backfilled. Prior to commencing with backfilling, NYSDEC requested that any courses of concrete block that extended above grade that could be a trip hazard to the public, be removed. As such, Aztech commenced with a final demolition and removal of any remaining C&D debris prior to commencing with filling-in the basement. As part of this effort, Cedar Hill Trucking, of Selkirk, New York, transported 114.82 tons of non-hazardous C&D debris (consisting primarily of concrete block) to the Rapp Road Landfill, in Albany, New York, for disposal on July 20, 2012. Additionally, the location of a fuel oil UST was verified on the eastern side of the site at that time.

Concurrent with loading out the final loads of C&D debris, backfilling the basement area with bank run sand commenced on July 20, 2102. During the course of backfilling, personnel from the Albany sewer and water department visited the site to verify that the abandoned sewer and water lined to the site had been properly capped. Additionally, NYSDEC requested that a dewatering point be installed within the basement backfill for the purposes of dewatering the basement area in the future, if necessary.

The dewatering point was constructed of an 18-inch diameter HDPE (high density polyethylene) corrugated culvert that was machine-slotted and set within a pre-existing sump in southeast corner of the basement floor (Figure 2). The area adjacent to the slotted portion of the culvert was backfilled with peastone as the basement area was backfilled with bank-run sand. Filter fabric was used to envelop the peastone, which extends approximately 5-½ feet above the basement floor, and isolate it from the sand backfill. Sand backfill, which was incrementally compacted with the bucket of the excavator, extended to within approximately 2.0 feet of grade and was covered with woven geotextile filter fabric. The final 2.0 feet of the basement was finished with crusher run that was placed and compacted in approximate 8.0-inch lifts using a 3.0-ton vibratory drum compactor. On July 25, 2012, the dewatering point was finished with a 24-inch diameter manhole set in a concrete pad. Backfilling of the basement was also completed on that date.

2.7 Fuel Oil UST Removal

During the course of backfilling the basement area and final removal of C&D debris from the site, the location of a suspected fuel oil UST on the eastern side of the property was verified (Figure 2). On July 24, 2012, the fuel oil UST was removed from the subsurface by Aztech personnel with the assistance of Albany Tank Services, Inc. of Ravena, New York.

The UST was found to be 10-feet in length by 4.0-feet in diameter (approximately 1,000 gallon capacity) and in poor condition. Prior to its removal, Albany Tank removed 124 gallons of fuel oil/water mixture and bottom sludge from the UST via vacuum truck. Once the UST was brought to the surface, the UST was cut and cleaned. The tank exterior was in poor condition with pitted areas noted. Five pinholes were identified in the north end of the UST and internal areas of pitting were also noted on the inside of the UST. Manifesting for the liquids disposed from the former fuel oil UST is included in Attachment C.

The soil surrounding the UST was described as dry brown clay with some silt and sand. Some urban fill was also observed. Headspace screening of the soil with a photoionization detector (PID) for concentrations of total VOCs, did not indicate concentrations in excess of 1.0 part per million (ppm) in the soil above the UST. Once the UST was removed, the soil immediately surrounding the former UST was screened with the PID. Total VOC concentrations, based on headspace screening at approximately 5.0 feet below grade, ranged from 0.3 ppm in the south sidewall to 11.6 ppm in the north sidewall. Total VOC concentration in the bottom soil, at approximately 7.0 feet below grade, was 3.4 ppm. Staining and/or odors were not noted.

“Post excavation” soil samples were collected from each sidewall and the bottom of the former UST area. Sidewall samples were collected from an approximate depth of 5.0 feet below grade and the bottom sample was collected from approximately 7.0 feet below grade. Soil samples were submitted to Test America-Buffalo where they were analyzed for VOCs and semi-VOCS, via analytical methods 8260 and 8270, respectively, in accordance with the NYSDECs Spills Technology and Remediation Series (STARS) Memo No. 1 (1992). The bottom sample was analyzed for the full list of VOCs via analytical method 8260. After the soil samples were collected, the former UST area was backfilled with bank run sand and crusher run, compacted and graded.

The analytical results of the sidewall and bottom soil samples indicate that no VOC or semi-VOCs were identified in the sidewall samples. The only compound identified in the bottom

sample was PCE, at a concentration of 33 micrograms per kilogram (ug/kg). This compound is not related to the contents of the fuel oil UST. Rather, it is related to the former dry cleaning operation at the site. Laboratory analytical reports for the soil samples associated with the former fuel oil UST are included in Attachment D.

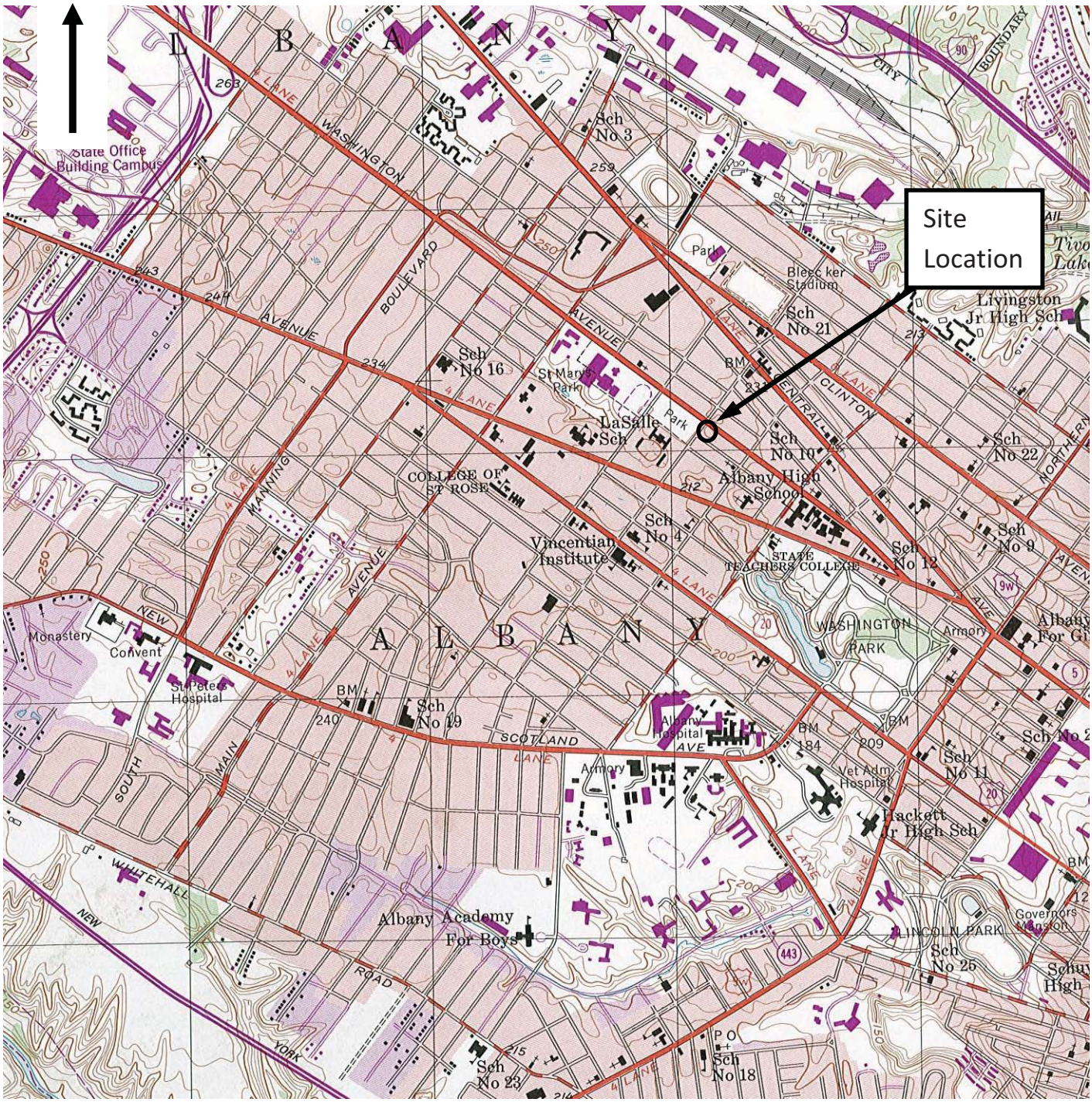
2.8 Disposal of Investigation Derived Waste.

The final step in completing the IRMs described herein was to arrange for the proper disposal of all wastes generated during their implementation. Several of the wastes generated, including hazardous and non-hazardous C&D debris; hazardous residual water removed via vac truck from the basement area; hazardous liquids contained in partially full 5.0-gallon containers, and; fuel oil/water and bottom sludge mixture from the former fuel oil UST, have already been discussed in the preceding sections; their manifesting has been included in Attachment C.

The final waste derived during the IRMs discussed herein is the liquid phase GAC used to treat the basement water. 4,000 pounds of this GAC material was contained within the two liquid phase carbon units. A sample of the GAC was collected and analyzed by Test America-Buffalo for hazardous waste characterization. The analytical laboratory report for that sample is included in Attachment D.

MC Environmental Services assisted Aztech with the disposal of the liquid phase GAC. MC corresponded with Mr. Henry Wilkie of the NYSDEC Remedial Bureau A for a “contained-in” determination. Based on Mr. Wilkie’s evaluation of the GAC analytical data and, analytical data associated with approximately six drums of soil generated during a subsequent phase of site characterization at the former RKO site (to be discussed in a separate, forthcoming site characterization report), the 4,000 pounds of GAC and six drums of soil were transferred to a dump truck and transported by MC Environmental Services, Inc. to the Environmental Soil Management, Inc. (ESMI) facility in Fort Edward, New York for thermal treatment. Mr. Wilkie’s letter authorizing the GAC to be thermally treated at ESMI (as well as the manifesting for the GAC) is included in Attachment C.

FIGURES



USGS Topographic Quadrangle Map, Albany, NY

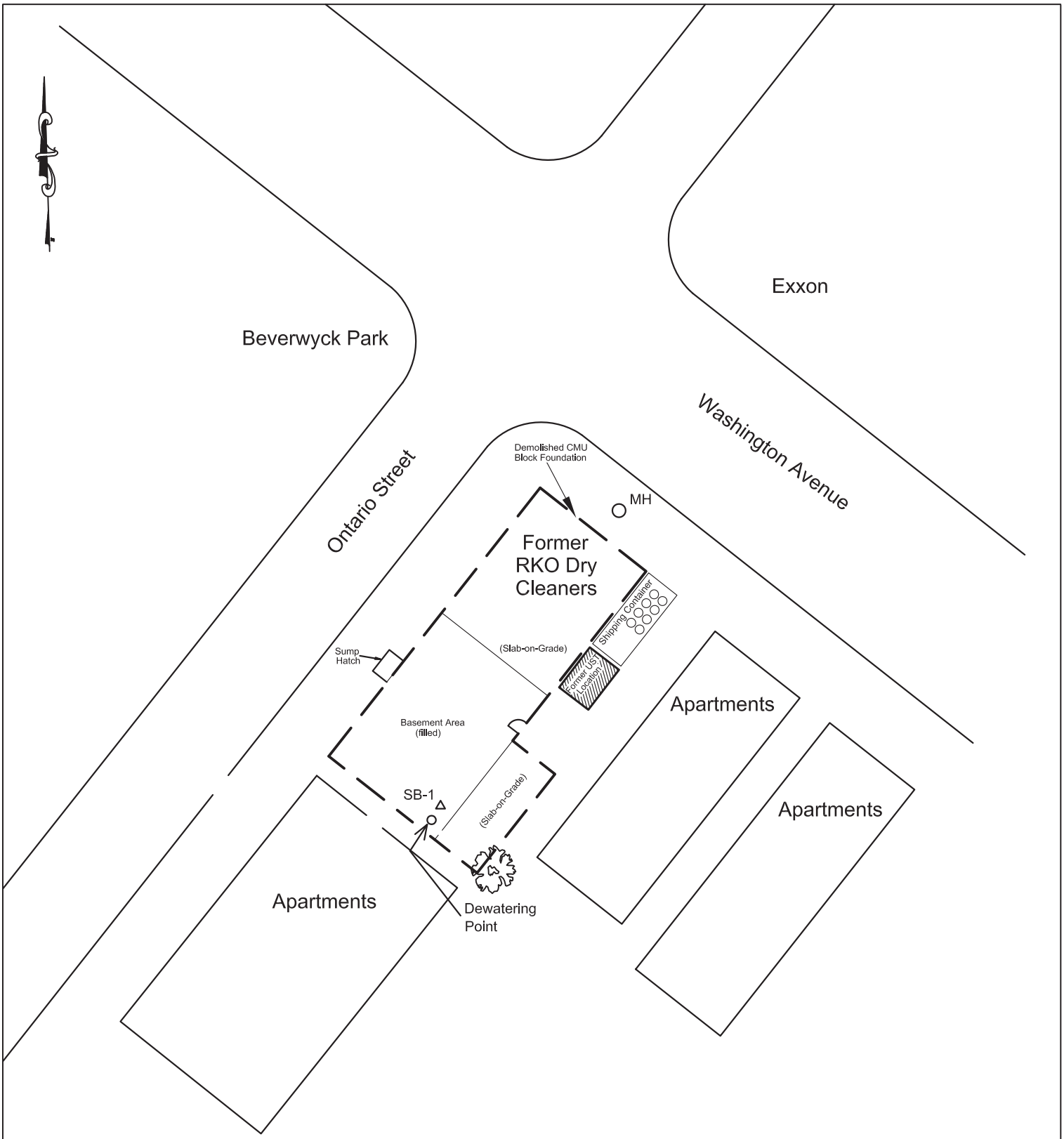
Approximate Scale 1" = 2,000'

Aztech Technologies, Inc.
5 McCrea Hill Road
Ballston Spa
New York 12020
Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

SITE: NYSDEC Site # 401065
Former RKO Cleaners
566 Washington Ave
Albany, New York

FIGURE 1

Site Location Map



Aztech Technologies, Inc.
5 McCrea Hill Road
Ballston Spa
New York 12020
Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

SITE: **NYSDEC Site # 401065**
Former RKO Dry Cleaners
566 Washington Ave
Albany, New York

Figure 2

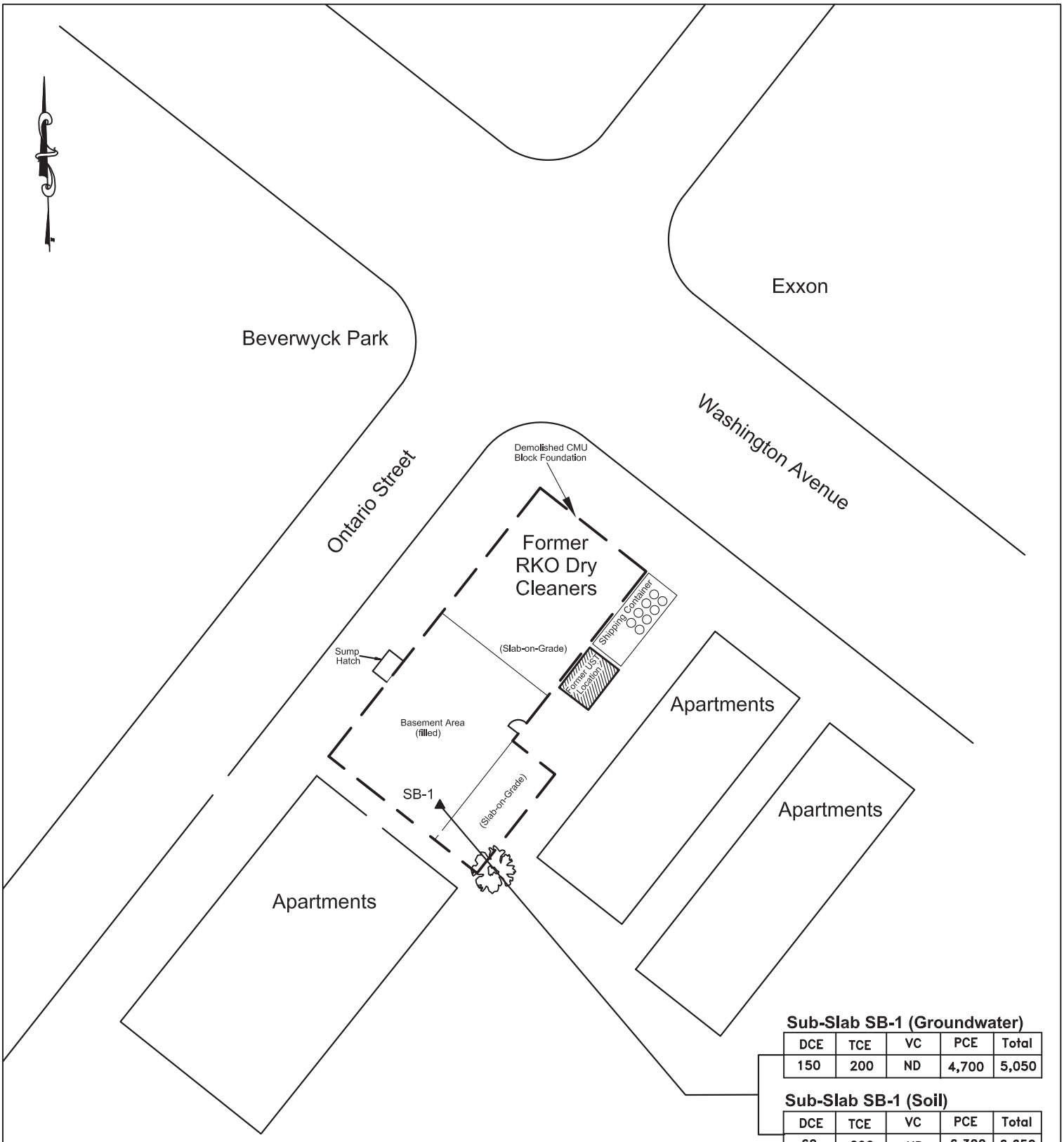
DATE: August, 2012 | Approximate Scale: 1" = 30'

Site Map

Legend:

SB-1 △ Sub-slab soil and groundwater sampling location

○ MH Sewer manhole (discharge of treated basement water)



Sub-Slab SB-1 (Groundwater)

DCE	TCE	VC	PCE	Total
150	200	ND	4,700	5,050

Sub-Slab SB-1 (Soil)

DCE	TCE	VC	PCE	Total
60	290	ND	6,300	6,650

DCE = cis-1,2-Dichloroethene
TCE = Trichloroethene
VC = Vinyl chloride
PCE = Tetrachloroethene

Aztech Technologies, Inc.
5 McCrea Hill Road
Ballston Spa
New York 12020
Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

SITE: **NYSDEC Site # 401065**
Former RKO Dry Cleaners
566 Washington Ave
Albany, New York

Figure 3

DATE: 7-13-2012 | Approximate Scale: 1" = 30'

VOC Results in Sub-Slab Soil and Groundwater

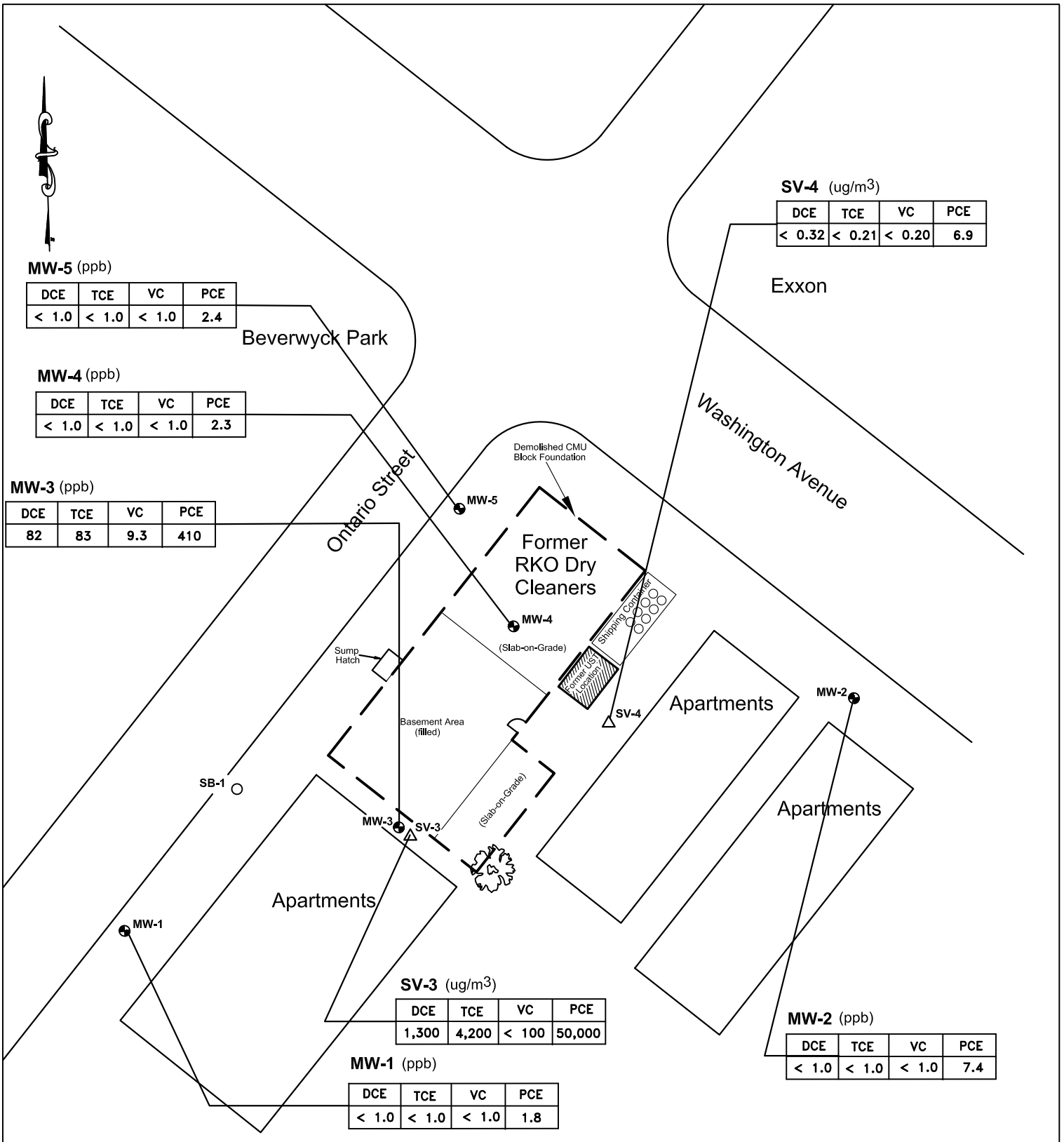
(concentrations in ppb)

July 13, 2012

Legend:

SB-1 △ Sub-slab soil and groundwater sampling location

ND = Not Detected



Aztech Technologies, Inc.
5 McCrea Hill Road
Ballston Spa
New York 12020
Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

SITE: NYSDEC Site # 401065
Former RKO Dry Cleaners
566 Washington Ave
Albany, New York

Figure 2

DATE: 8-22-2012 | Approximate Scale: 1" = 30'

VOC Distribution in Soil Vapor and Groundwater
August 22, 2012
(concentrations as indicated)

Legend:
MW Monitoring Well
SV Soil Vapor Monitoring Point

ATTACHMENT A

PHOTOGRAPHS

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Former RKO Cleaners prior to demolition.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking North-Northeast	
Subject: Building interior prior to demolition.	

Site: Former RKO Cleaners Location: 566 Washington Ave., Albany, NY Direction: Looking Northeast Subject: Building interior prior to demolition.	

Site: Former RKO Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: Former stairway leading to basement.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South-Southwest	
Subject: Building demolition underway.	
.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking West-Northwest	
Subject: Building demolition underway.	
.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: Metallic debris found in basement area. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Building demolition underway. .	

Site: Former RKO Cleaners Location: 566 Washington Ave., Albany, NY Direction: Looking East Subject: Building demolition nearing completion. Construction & demolition debris above water cleared from basement area. Note approximate 5.0 gallon containers. Six partially full containers were later removed from debris and disposed as hazardous waste.	

Site: Former RKO Cleaners Location: 566 Washington Ave., Albany, NY Direction: Looking Northeast Subject: Building demolition completed. Basement ready for dewatering. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking North	
Subject: Basement dewatering nearing completion. Submersible pump was set on basement floor in area cleared by excavator. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking East	
Subject: Sewer manhole in front of 566 Washington Avenue where effluent from carbon treatment system was discharged. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Southwest	
Subject: Basement dewatering nearing completion. Note dark sludge-like material in foreground. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Dewatering nearing completion. Construction & demolition debris pulled by excavator toward the northeast basement sidewall to promote drainage. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking North	
Subject: Dewatering nearing completion. Construction & demolition debris pulled by excavator toward the northeast basement sidewall to promote drainage. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Vac truck operated by TMC Environmental to remove residual water from basement and transfer to carbon units for treatment. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Southwest	
Subject: Dewatering nearing completion. Construction & demolition debris pulled by excavator toward the northeast basement sidewall to promote drainage. Residual water removed via vac truck operated by TMC Environmental. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Dewatering nearing completion. Note sludge-like residue beneath water surface. Sludge-like residue was later mixed with an oil absorbent material in order to dry basement floor and complete basement dewatering. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Removing upper portion of construction & demolition debris from basement area. Material removed during this phase was evaluated by NYSDEC and determined to be suitable for disposal as non-hazardous construction & demolition debris. Material was later disposed at the High Acres landfill in Fairport, NY. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Evaluating construction & demolition debris for non-hazardous disposal. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking Northeast	
Subject: Non-hazardous construction & demolition debris removed from basement area. Debris shown in photograph was later removed from the basement and disposed as hazardous construction & demolition debris at the Environmental Quality Company facility in Belleville, Michigan. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Removing hazardous construction & demolition debris from the basement area. Material was loaded into two 20 cubic yard roll-off containers and transported to the Environmental Quality Company facility in Belleville, Michigan for disposal. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Hazardous and non-hazardous construction & demolition debris and residual water removed from basement area. Absorbent material applied to remove sludge-like material and dry-out basement. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South.	
Subject: Aztech personnel spreading absorbent on floor in order to remove sludge-like material and dry basement floor. Absorbent was later added to roll-off container containing hazardous construction & demolition debris for disposal. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Removal of sludge-like material and drying of basement floor nearing completion. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Sludge-like material removed, basement floor dried. Basement dewatering completed. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking southwest	
Subject: Collecting sub-slab soil and groundwater samples. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: East-Southeast	
Subject: Sump in southern corner of basement floor. 18-inch HDPE corrugated culvert pipe was later installed at this location to provide the future option for basement dewatering if necessary. Also shown in photograph (to the left of the sump) is the location of the sub-slab soil and groundwater sample. Core hole through concrete slab is sealed with bentonite.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking South	
Subject: Hazardous construction & demolition debris placed in two roll-off containers & covered with tarps. Concrete blocks in foreground are from collapsed basement wall. This debris (and debris on the right side of photograph) was later taken to the Albany landfill for disposal as non-hazardous construction & demolition debris. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking North	
Subject: Location of fuel oil UST on eastern side of site.	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking West	
Subject: Fill port for fuel oil UST. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: Albany Tank employee removing residual fuel oil/water & tank bottom sludge mixture from UST prior to UST removal. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: Tank bottom sludge on the interior of the fuel oil UST. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: Pinholes noted in northern end of UST. .	

Site: Former RKO Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: Exterior of fuel oil UST. .	

ATTACHMENT B

MR GAILOR'S LETTER

HARLAN-McGEE ASSOCIATES
OF SARATOGA INCORPORATED
Forensic Architects Engineers Scientists

June 19, 2012

Aztech Technologies Inc.
5 McCrea Hill Road
Ballston Spa, New York 12020

Re: 566 Washington Avenue
Albany, New York

Gentlemen:

Upon completion of my inspection of the subject property and review of all the information available, I have determined that the structure is an unsafe structure under Section 108 of the Property Maintenance Code of New York State. No occupancy for any reason can be had in this structure. In its present condition, it would be a violation of applicable OSHA regulations and the New York State Industrial Code Rules to allow workman into this building for any purpose.

The entire framed floor system and 50% of the roof system are in such disrepair and poor condition that the building is hazardous to life, health, property and the safety of workman.

Respectfully submitted,

Ernest J. Gailor, PE

Reply to: 4000 Silver Beach Road • Malta, New York 12020
Phone: 518.584.1300 • Fax: 518.584.1374
e-mail: info@harlan-mcgee.com

ATTACHMENT C

IDW MANIFESTING

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD981563612	1	800-451-8984	000526435 VES

GENERATOR

5. Generator's Name and Mailing Address: New York State DEC, 625 Broadway-11th Floor, Albany, NY 12233
Generator's Phone: 518-885-5383

Generator's Site Address (if different than mailing address): 566 Washington Ave., Albany, NY 12203

6. Transporter 1 Company Name: MC Environmental Services, Inc. — U.S. EPA ID Number: NYR000021071

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Veolia ES Technical Solutions, LLC, 4301 Infirmary Rd., West Carrollton, OH 45449 USA
Facility's Phone: 937-859-2207 — U.S. EPA ID Number: OHD093945293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Hazardous Waste Liquid n.o.s. (Lead, Chromium) 9 NA3082 PGIII	2	DM	300	P	F002
	2. Non-hazardous Non-DOT Regulated None None	1	DM	55	G	
	3. Non-hazardous Non-DOT Regulated	1	DM	200	P	
	4.					

14. Special Handling Instructions and Additional Information: Mixed @ Veolia Schenectady NY on 9/26/12
9b1. ERG #171 Approval # SRRDPK9
9b2. Approval #: SRRLPLIQ - DM
9b3. Approval #: SRRLPSOL-NH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RANDY HOOSE - AAL OF FOR NYSDEC — Signature: [signature] — Month: 9 Day: 26 Year: 2012

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael D. CRAFT — Signature: [signature] — Month: 9 Day: 26 Year: 12

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: NYD981563612	2. Page 1 of 1	3. Emergency Response Phone: 800-223-8865	4. Manifest Tracking Number: 001352427 GBF

5. Generator's Name and Mailing Address: NYS DEC SITE # 401065, 626 BROADWAY, ALBANY NY 12205

Generator's Site Address (if different than mailing address): FORMER: RKO DRY CLEANER, 566 WASHINGTON AVE, ALBANY NY 12205

Generator's Phone:

6. Transporter 1 Company Name: TMC ENVIRONMENTAL — U.S. EPA ID Number: MAR000502138

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NORLITE CORPORATION, 628 SOUTH SARATOGA AVE, COHOES, NY 12047 — U.S. EPA ID Number: NYD080469935

Facility's Phone: 800-234-0401

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA 3082 HAZARDOUS WASTE LIQUID NOS 9 PGIII	001	TT	541	G	D039	D040	F002
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: NORLITE PROFILE # P0625120025O. Rec'd 498 gal 401016
ERG # 171 L-3627
JOB # 5012-0662 NORLITE JOB # J0712120123-101 sg=0.972 g/ml

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Scott Barrett as agent of NYSDEC — Signature: [signature] — Month 7 Day 12 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dan LaVerdure — Signature: [signature] — Month 7 Day 12 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Weaver — Signature: [signature] — Month 07 Day 13 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

STRAIGHT BILL OF LADING – SHORT FORM 209 Date 7/11/12 Bill of Lading No.

NOTICE: Shippers of hazardous materials must enter 24-hour emergency response telephone number under "Emergency Response Phone Number."

Shipper No.

Shipping Order

TMC ENVIRONMENTAL (Name of Carrier) Carrier No. MA 142

TO: Consignee: HIGH ACRES LANDFILL	FROM: Shipper: NYS DEC (FORMER: RKO DRY CLEANING)
Street: 425 PERINTON PARKWAY	Street: 566 WASHINGTON AVE
Destination: FAIRPORT NY Zip Code: 14450	Origin: ALBANY NY Zip Code: 12205
Route: LOCAL	Vehicle No.: 209 SCAC: Emergency Response Phone Number: 800-223-8563

No. Shipping Units	+HM	Kind of Packaging, Description of Articles Special Marks and Exceptions (Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See Section 2(e) of National Motor Freight Classification, Item 360.)	Weight (Subject to Correction)*	Rate or Class	CHARGES
1 CM		NON HAZARDOUS C&D DEBRIS	10	TON	
		Pickup R172 Full			
		PROFILE # 109376 NY			
		JOB # 5012-0691			
		DROP BOX 3050 EMPTY			

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether weight is "carrier's or shipper's weight".

REMIT C.O.D. TO: ADDRESS | C.O.D. Amt. $ | C.O.D. FEE: PREPAID ☐ COLLECT ☐ $ | TOTAL CHARGES: $

Note–Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

John Mutcha
(Signature of Consignor)

FREIGHT CHARGES
Check Appropriate Box:
☐ Freight prepaid
☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment or (2) in the applicable motor carrier classification or tariff, if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Mark with "RQ" if appropriate to designate Hazardous Materials as defined in the U.S. Department of Transportation Regulations governing the transportation of hazardous materials. The use of this column is an optional method for identifying hazardous materials on Bills of Lading per 172.201(a)(1) (iii) of Title 49 Code of Federal Regulations. Also when shipping hazardous materials, the shipper's certification statement prescribed in section 172.204(a) of the Federal Regulations, as indicated on the Bill of Lading does apply, unless a specific exception from the requirement is provided in the Regulation for a particular material.

The format and content of hazardous item list is the responsibility of individual company interpretation of requirements as described in 49 Code of Federal Regulations 172, Subpart C-Shipping Papers. Such description consists of the following per Sections 172.201 (Hazardous Material Table) and Sections 172.202 and 172.203: Proper shipping name, hazardous class, UN identification number, packing group, and subsidiary class(es).

Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 United States Code, Sections 14706(c (1)(A) and (B).

SHIPPER [signature] as Agent of NYSDEC CARRIER TMC

PER PER [signature] 7/11/12

2 This is to certify that the above named materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation.

Carrier acknowledges receipt of packages and any required placards. Carrier certifies emergency response information was made available and/or carrier has the U.S. Department of Transportation emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Original
Ticket# 891706

Customer Name TMCSERVICESINC-109376NY TMC S
Ticket Date 07/12/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 109376NY (C & D)
Generator 190-NYSDECWASHINGTONAVE NEW YORK STATE DEC

Carrier TMC TMC SERVICES
Vehicle# 209
Container
Driver
Check#
Billing # 0006125
Gen EPA ID NOT REQUIRED
Grid CELL 10

Volume

	Time	Scale	Operator	Inbound		
In	07/12/2012 13:23:52	A_Scale_1	JFRUTCHE		Gross	54920 lb
Out	07/12/2012 14:07:28	B_Scale_2	JFRUTCHE		Tare	34240 lb
					Net	20680 lb
					Tons	10.34

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons-	100	10.34	Tons				ALB
2	FUEL-Fuel Surcharg	100		%				ALB
3	EVF-P-Standard Env	100		%				ALB

Total Fees

Driver's Signature

Total Ticket

404WM

Invoice: 40397875 Receipt 02-00 503196 Manifest 001526144GBF

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD981563612
2. Page 1 of 1
3. Emergency Response Phone: 800-223-8865
4. Manifest Tracking Number: 001526144 GBF

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany NY 12233
Generator's Site Address (if different than mailing address): NYSDEC Former RKO Cleaners, 566 Washington Avenue, Albany NY 12205
Generator's Phone: 800 457-7362

6. Transporter 1 Company Name: Goulet trucking Inc — U.S. EPA ID Number: MAC 300006038
7. Transporter 2 Company Name: — U.S. EPA ID Number:
8. Designated Facility Name and Site Address: Wayne Disposal Inc, 49350 N I-94 Service Drive, Belleville MI 48111 — U.S. EPA ID Number: MID000724831
Facility's Phone: 800 592-5489

GENERATOR

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. ~~NA3077, Hazardous waste, solid, n.o.s. PERCHLOROETHYLENE, 9,~~ PGIII ERG #171	001	CM	18	T	F002	D039
	2.						
	3.						
	4.						

14. Special Handling Instructions and Additional Information: CW# RT3050
TMC JOB# 5012-0662 L3730 APPROVAL# G120060MDI

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carl Hlavecy — Signature: [signature] — Month/Day/Year: 7 / 19 / 12

INT'L
16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeffrey M. Stowell — Signature: [signature] — Month/Day/Year: 7 / 19 / 12
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space: ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: Actual weight 13.67 tons ok per Ralph Keating @ NYSDEC 7/23/12 V
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H075 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: M.k. Webs — Signature: M.L. Web — Month/Day/Year: 7 / 20 / 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

5262785

Invoice: 40397875 Receipt 02-00 503197 Manifest 003543365FLE

Please print or type. (Form designed for use on elite (12-pitch) typewriter) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD981563612 | 2. Page 1 of: 1 | 3. Emergency Response Phone: 800-643-8295 | 4. Manifest Tracking Number: 003543365 FLE

5. Generator's Name and Mailing Address
NYS DEC FORMER RKO CLEANERS
566 WASHINGTON AVE.
ALBANY NY 12206
Generator's Phone: 518 402 9743

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC | U.S. EPA ID Number: NYR000115733

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 N. I-94 SERVICE DR.
BELLEVILLE MI 48111
Facility's Phone: 800 592-5489

U.S. EPA ID Number: MID000724831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ NA3077, Hazardous waste, solid, n.o.s. (PERCHLOROETHYLENE) 9, PGIII	001	CM	10	T	D039	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) Acct#G120080MDI. 1 X 20yd3 ROLLOFF. ERG#171
2)
3)
4) Job#A4387 L3731

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIM ZABEL AS AGENT FOR N.Y.S. DEC | Signature | Month 7 | Day 18 | Year 12

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only) Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill White | Signature | Month 7 | Day 18 | Year 12
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight 8.61 tons OK per KA with Keating @ NYSDEC 7/23/12 JV
18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H075 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jacob Wilson | Signature | Month 7 | Day 20 | Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

5262767

ALBANY
TANK
SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

P.O. Box 331 • Ravena, NY 12143
(518) 756-6527

JOB NUMBER ____________ PICK-UP NUMBER ____________

GENERATOR

Generator Name Astec Tech.
Address 566 Washington Ave
Albany NY.
Phone No. 518 — 3853383

Generating Location Same
Address
Phone No.

Description of Waste	Check	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol
Waste Flammable Liquid N.O.S. (________) UN 1993 II					
Waste Combustible Liquid N.O.S. (________) NA 1993 III					
Oil Soaked Dirt/Debris					
Gasoline Soaked Dirt/Debris					
Other - Explain oil/water	✓	001	TT	1124	gals

Generator Authorized Agent Name

TRANSPORTER

Transporter Name Albany Tank Services, Inc.
Address P.O. Box 331
Ravena, NY 12143
Phone No. 518 — 7566527

Driver Name (print) DALE E BEDELL
Vehicle License No./State 16138MC/NY
Vehicle 4
In case of Emergency, call 1-518-756-6527

Driver Signature Dale E Bedell
Shipment Date 07/24/12

NYS D.E.C. Permit# 4A - 330
EPA# NYR000060087

DESTINATION

Site Name: Albany Tank Services,Inc
Transfer Facility
1650 9W
Selkirk, NY 12158

Phone No. 518 — 6948319

PAGE 1 - TRANSPORTER COPY PAGE 2 - TSD FACILITY COPY PAGE 3 - GENERATOR COPY

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

Joe Martens
Commissioner

SEP 17 2012

Ms Dee Dee Diccicco-Craft, President
MC Environmental Services, Inc.
526 Queensbury Avenue
Queensbury, NY 12804

Re: Request for Contained-In Determination
Former RKO Dry Cleaners, Site #401065
566 Washington Avenue, Albany

Dear Ms Diccicco:

We have completed our review of the soil and water sampling data submitted with your August 29, 2012 request for a "contained-in" determination for the referenced project. Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil and groundwater action levels, and Land Disposal Restriction concentrations.

Concentrations for tetrachloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. 4000 lbs of spent carbon from the treatment system; 5 - 7 drums of soils (from drilling) do not have to be managed as hazardous waste and can be transported off-site to ESMI's Fort Edward Facility for thermal treatment.

Water (well development water, purge water and decon water) collecting during Site Characterization met "contained-in" groundwater action levels and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level. One (1) drum of water and 1 drum of non-haz (PPE, plastic, etc) do not have to be managed as hazardous waste and can be transported off-site to Veolia in Schenectady and be trans-shipped to their disposal facility in West Carrollton, Ohio.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9622 or email me at hjwilkie@gw.dec.state.ny.us.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Remedial Section B

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD089503612	1	800-451 8894	082812-51

GENERATOR

5. Generator's Name and Mailing Address
New York State DEC
625 Broadway 11th Floor
Albany, NY 12233 USA

Generator's Site Address (if different than mailing address)
566 Washington Ave.
Albany, NY 12233 USA

Generator's Phone: 518-865-5360

6. Transporter 1 Company Name: MC Environmental Services, Inc — U.S. EPA ID Number: NYR000021071

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EQM OF NEW YORK
304 TOWPATH ROAD
FORT EDWARD, NY 12828 USA

U.S. EPA ID Number: NA

Facility's Phone: 518-747-5500

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Petroleum Contaminated Soil	1	DT	5.69	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: RANDY HOOSE - AGENT FOR NYSDEC — Signature: Randy Hoose — Month: 9 Day: 26 Year: 12

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Shaw — Signature: Jim — Month: 9 Day: 26 Year: 12

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

169-BLC-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-19461-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

Sally J Hoffman

Authorized for release by:
5/14/2012 2:45:41 PM

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.

Sally Hoffman
Project Manager II
5/14/2012 2:45:41 PM

Table of Contents

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/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

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

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-19461-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-19461-1

Comments
No additional comments.

Receipt
The samples were received on 5/2/2012 9:00 AM; the samples arrived in good conditions, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.20 C and 3.30 C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: RKO BASE 1 (480-19461-1), RKO BASE 1 DUP (480-19461-2), RKO BASE 2 (480-19461-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: RKO BASE 1 (480-19461-1), RKO BASE 2 (480-19461-3). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 63327: 2,4,6-Tribromophenol. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 63327: Atrazine. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The continuing calibration verification (CCV) for multiple analytes associated with batch 63327 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 63489: Atrazine. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082: The continuing calibration verification (CCV) for Aroclor 1260 associated with batch 480-63192 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The Serial Dilution (480-19461-3 SD) in batch 480-62760, exhibited results outside the quality control limits for total potassium. However, the Post Digestion Spike was compliant so no corrective action was necessary

No other analytical or quality issues were noted.

Organic Prep

Job ID: 480-19461-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/12 08:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/12 08:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/12 08:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/12 08:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/12 08:12	1
1,1-Dichloroethene	**1.2**		1.0	0.29	ug/L			05/10/12 08:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/12 08:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/12 08:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/12 08:12	1
1,2-Dichlorobenzene	**1.9**		1.0	0.79	ug/L			05/10/12 08:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/12 08:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/12 08:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/12 08:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/12 08:12	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/12 08:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/12 08:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/12 08:12	1
Acetone	ND		10	3.0	ug/L			05/10/12 08:12	1
Benzene	ND		1.0	0.41	ug/L			05/10/12 08:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/12 08:12	1
Bromoform	ND		1.0	0.26	ug/L			05/10/12 08:12	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/12 08:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/12 08:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/12 08:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/12 08:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/12 08:12	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/12 08:12	1
Chloroform	ND		1.0	0.34	ug/L			05/10/12 08:12	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/12 08:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/12 08:12	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/12 08:12	1
Dichlorodifluoromethane	**1.6**		1.0	0.68	ug/L			05/10/12 08:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/12 08:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/12 08:12	1
Methyl acetate	ND		1.0	0.50	ug/L			05/10/12 08:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/12 08:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/12 08:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/12 08:12	1
Styrene	ND		1.0	0.73	ug/L			05/10/12 08:12	1
Toluene	ND		1.0	0.51	ug/L			05/10/12 08:12	1
trans-1,2-Dichloroethene	**11**		1.0	0.90	ug/L			05/10/12 08:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/12 08:12	1
Trichlorofluoromethane	**1.0**		1.0	0.88	ug/L			05/10/12 08:12	1
Vinyl chloride	**0.97**	**J**	1.0	0.90	ug/L			05/10/12 08:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/12 08:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Formamide, N-methylthio	*3.2*	*T J N*	*ug/L*		*3.62*	*1000196-87-7*		*05/10/12 08:12*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*4.71*			*05/10/12 08:12*	*1*
Unknown	*9.2*	*T J*	*ug/L*		*6.08*			*05/10/12 08:12*	*1*

Client Sample ID: RKO BASE 1

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*05/10/12 08:12*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*05/10/12 08:12*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*05/10/12 08:12*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**500**		50	41	ug/L			05/10/12 14:02	50
Tetrachloroethene	**2800**		50	18	ug/L			05/10/12 14:02	50
Trichloroethene	**660**		50	23	ug/L			05/10/12 14:02	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/10/12 14:02*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*05/10/12 14:02*	*50*
Toluene-d8 (Surr)	*107*		*71 - 126*		*05/10/12 14:02*	*50*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*05/10/12 14:02*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.62	ug/L		05/03/12 06:43	05/07/12 21:58	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 21:58	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Chlorophenol	ND		4.7	0.50	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Methylphenol	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Nitroaniline	ND		9.4	0.40	ug/L		05/03/12 06:43	05/07/12 21:58	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 21:58	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 21:58	1
3-Nitroaniline	ND		9.4	0.45	ug/L		05/03/12 06:43	05/07/12 21:58	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Chloroaniline	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Methylphenol	ND		9.4	0.34	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Nitroaniline	ND		9.4	0.24	ug/L		05/03/12 06:43	05/07/12 21:58	1
4-Nitrophenol	ND		9.4	1.4	ug/L		05/03/12 06:43	05/07/12 21:58	1
Acenaphthene	ND		4.7	0.39	ug/L		05/03/12 06:43	05/07/12 21:58	1
Acenaphthylene	ND		4.7	0.36	ug/L		05/03/12 06:43	05/07/12 21:58	1
Acetophenone	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 21:58	1
Anthracene	ND		4.7	0.26	ug/L		05/03/12 06:43	05/07/12 21:58	1
Atrazine	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 21:58	1
Benzaldehyde	ND		4.7	0.25	ug/L		05/03/12 06:43	05/07/12 21:58	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 21:58	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1
Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 21:58	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 21:58	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 21:58	1
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L		05/03/12 06:43	05/07/12 21:58	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 21:58	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 21:58	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/03/12 06:43	05/07/12 21:58	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 21:58	1
Caprolactam	ND		4.7	2.1	ug/L		05/03/12 06:43	05/07/12 21:58	1
Carbazole	ND		4.7	0.28	ug/L		05/03/12 06:43	05/07/12 21:58	1
Chrysene	ND		4.7	0.31	ug/L		05/03/12 06:43	05/07/12 21:58	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		05/03/12 06:43	05/07/12 21:58	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 21:58	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 21:58	1
Dibenzofuran	ND		9.4	0.48	ug/L		05/03/12 06:43	05/07/12 21:58	1
Diethyl phthalate	ND		4.7	0.21	ug/L		05/03/12 06:43	05/07/12 21:58	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 21:58	1
Fluoranthene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 21:58	1
Fluorene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 21:58	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 21:58	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		05/03/12 06:43	05/07/12 21:58	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 21:58	1
Hexachloroethane	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 21:58	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 21:58	1
Isophorone	ND		4.7	0.41	ug/L		05/03/12 06:43	05/07/12 21:58	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 21:58	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 21:58	1
Naphthalene	ND		4.7	0.72	ug/L		05/03/12 06:43	05/07/12 21:58	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/03/12 06:43	05/07/12 21:58	1
Pentachlorophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 21:58	1
Phenanthrene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 21:58	1
Phenol	ND		4.7	0.37	ug/L		05/03/12 06:43	05/07/12 21:58	1
Pyrene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 21:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*76*	*T J*	*ug/L*		*2.27*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Trichloroethylene	*14*	*T J N*	*ug/L*		*2.45*	*79-1-6*	*05/03/12 06:43*	*05/07/12 21:58*	*1*
Tetrachloroethylene	*340*	*T J N*	*ug/L*		*3.64*	*127-18-4*	*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*11.38*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*12.01*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*50*	*T J*	*ug/L*		*12.38*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*12.85*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*30*	*T J*	*ug/L*		*12.88*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*13.15*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*19*	*T J*	*ug/L*		*13.19*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*14*	*T J*	*ug/L*		*13.47*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*42*	*T J*	*ug/L*		*13.65*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*34*	*T J*	*ug/L*		*13.93*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*15*	*T J*	*ug/L*		*14.19*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*55*	*T J*	*ug/L*		*14.37*		*05/03/12 06:43*	*05/07/12 21:58*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.63*		*05/03/12 06:43*	*05/07/12 21:58*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1
Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-1
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	15	T J	ug/L		14.95		05/03/12 06:43	05/07/12 21:58	1
Unknown	58	T J	ug/L		15.16		05/03/12 06:43	05/07/12 21:58	1
Unknown	15	T J	ug/L		15.89		05/03/12 06:43	05/07/12 21:58	1
Unknown	14	T J	ug/L		16.15		05/03/12 06:43	05/07/12 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	144	X	52 - 132	05/03/12 06:43	05/07/12 21:58	1
2-Fluorobiphenyl	89		48 - 120	05/03/12 06:43	05/07/12 21:58	1
2-Fluorophenol	34		20 - 120	05/03/12 06:43	05/07/12 21:58	1
Nitrobenzene-d5	80		46 - 120	05/03/12 06:43	05/07/12 21:58	1
p-Terphenyl-d14	89		67 - 150	05/03/12 06:43	05/07/12 21:58	1
Phenol-d5	24		16 - 120	05/03/12 06:43	05/07/12 21:58	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.047	0.0087	ug/L		05/04/12 15:58	05/07/12 12:10	1
4,4'-DDE	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:10	1
4,4'-DDT	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:10	1
Aldrin	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 12:10	1
alpha-BHC	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 12:10	1
alpha-Chlordane	ND		0.047	0.014	ug/L		05/04/12 15:58	05/07/12 12:10	1
beta-BHC	ND		0.047	0.023	ug/L		05/04/12 15:58	05/07/12 12:10	1
delta-BHC	ND		0.047	0.0094	ug/L		05/04/12 15:58	05/07/12 12:10	1
Dieldrin	ND		0.047	0.0092	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endosulfan I	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endosulfan II	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endosulfan sulfate	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endrin	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endrin aldehyde	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 12:10	1
Endrin ketone	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:10	1
gamma-BHC (Lindane)	ND		0.047	0.0057	ug/L		05/04/12 15:58	05/07/12 12:10	1
gamma-Chlordane	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:10	1
Heptachlor	ND		0.047	0.0080	ug/L		05/04/12 15:58	05/07/12 12:10	1
Heptachlor epoxide	ND		0.047	0.0050	ug/L		05/04/12 15:58	05/07/12 12:10	1
Methoxychlor	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 12:10	1
Toxaphene	ND		0.47	0.11	ug/L		05/04/12 15:58	05/07/12 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		16 - 120	05/04/12 15:58	05/07/12 12:10	1
Tetrachloro-m-xylene	72		35 - 120	05/04/12 15:58	05/07/12 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1221	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1232	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1242	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1248	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1254	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 10:54	1
PCB-1260	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 10:54	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*63*		*19 - 112*	*05/04/12 15:48*	*05/05/12 10:54*	*1*
Tetrachloro-m-xylene	*82*		*23 - 127*	*05/04/12 15:48*	*05/05/12 10:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/03/12 08:15	05/03/12 17:32	1
Antimony	ND		0.020	0.0068	mg/L		05/03/12 08:15	05/03/12 17:32	1
Arsenic	ND		0.010	0.0056	mg/L		05/03/12 08:15	05/03/12 17:32	1
Barium	**0.020**		0.0020	0.00070	mg/L		05/03/12 08:15	05/03/12 17:32	1
Beryllium	ND		0.0020	0.00030	mg/L		05/03/12 08:15	05/03/12 17:32	1
Cadmium	ND		0.0010	0.00050	mg/L		05/03/12 08:15	05/03/12 17:32	1
Calcium	**43.5**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:32	1
Chromium	**0.0020**	**J**	0.0040	0.0010	mg/L		05/03/12 08:15	05/03/12 17:32	1
Cobalt	ND		0.0040	0.00063	mg/L		05/03/12 08:15	05/03/12 17:32	1
Copper	**0.0043**	**J**	0.010	0.0016	mg/L		05/03/12 08:15	05/03/12 17:32	1
Iron	**0.82**		0.050	0.019	mg/L		05/03/12 08:15	05/03/12 17:32	1
Lead	**0.0039**	**J**	0.0050	0.0030	mg/L		05/03/12 08:15	05/03/12 17:32	1
Magnesium	**3.4**		0.20	0.043	mg/L		05/03/12 08:15	05/03/12 17:32	1
Manganese	**0.080**		0.0030	0.00040	mg/L		05/03/12 08:15	05/03/12 17:32	1
Nickel	**0.0017**	**J**	0.010	0.0013	mg/L		05/03/12 08:15	05/03/12 17:32	1
Potassium	**4.9**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:32	1
Selenium	ND		0.015	0.0087	mg/L		05/03/12 08:15	05/03/12 17:32	1
Silver	ND		0.0030	0.0017	mg/L		05/03/12 08:15	05/03/12 17:32	1
Sodium	**13.5**		1.0	0.32	mg/L		05/03/12 08:15	05/03/12 17:32	1
Thallium	ND		0.020	0.010	mg/L		05/03/12 08:15	05/03/12 17:32	1
Vanadium	ND		0.0050	0.0015	mg/L		05/03/12 08:15	05/03/12 17:32	1
Zinc	**0.095**		0.010	0.0015	mg/L		05/03/12 08:15	05/03/12 17:32	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1 DUP

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/12 08:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/12 08:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/12 08:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/12 08:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/12 08:36	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			05/10/12 08:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/12 08:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/12 08:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/12 08:36	1
1,2-Dichlorobenzene	**1.8**		1.0	0.79	ug/L			05/10/12 08:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/12 08:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/12 08:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/12 08:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/12 08:36	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/12 08:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/12 08:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/12 08:36	1
Acetone	ND		10	3.0	ug/L			05/10/12 08:36	1
Benzene	ND		1.0	0.41	ug/L			05/10/12 08:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/12 08:36	1
Bromoform	ND		1.0	0.26	ug/L			05/10/12 08:36	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/12 08:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/12 08:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/12 08:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/12 08:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/12 08:36	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/12 08:36	1
Chloroform	ND		1.0	0.34	ug/L			05/10/12 08:36	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/12 08:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/12 08:36	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/12 08:36	1
Dichlorodifluoromethane	**1.6**		1.0	0.68	ug/L			05/10/12 08:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/12 08:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/12 08:36	1
Methyl acetate	ND		1.0	0.50	ug/L			05/10/12 08:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/12 08:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/12 08:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/12 08:36	1
Styrene	ND		1.0	0.73	ug/L			05/10/12 08:36	1
Toluene	ND		1.0	0.51	ug/L			05/10/12 08:36	1
trans-1,2-Dichloroethene	**9.9**		1.0	0.90	ug/L			05/10/12 08:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/12 08:36	1
Trichlorofluoromethane	**1.2**		1.0	0.88	ug/L			05/10/12 08:36	1
Vinyl chloride	**0.97**	**J**	1.0	0.90	ug/L			05/10/12 08:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/12 08:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.9*	*T J*	*ug/L*		*4.71*			*05/10/12 08:36*	*1*
Unknown	*10*	*T J*	*ug/L*		*6.08*			*05/10/12 08:36*	*1*

Client Sample ID: RKO BASE 1 DUP

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		05/10/12 08:36	1
Toluene-d8 (Surr)	108		71 - 126		05/10/12 08:36	1
4-Bromofluorobenzene (Surr)	109		73 - 120		05/10/12 08:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	460		50	41	ug/L			05/10/12 14:30	50
Tetrachloroethene	2500		50	18	ug/L			05/10/12 14:30	50
Trichloroethene	620		50	23	ug/L			05/10/12 14:30	50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/10/12 14:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		05/10/12 14:30	50
Toluene-d8 (Surr)	109		71 - 126		05/10/12 14:30	50
4-Bromofluorobenzene (Surr)	112		73 - 120		05/10/12 14:30	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.62	ug/L		05/03/12 06:43	05/07/12 22:21	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:21	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Chlorophenol	ND		4.7	0.50	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Methylphenol	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Nitroaniline	ND		9.4	0.40	ug/L		05/03/12 06:43	05/07/12 22:21	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 22:21	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:21	1
3-Nitroaniline	ND		9.4	0.45	ug/L		05/03/12 06:43	05/07/12 22:21	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Chloroaniline	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Methylphenol	ND		9.4	0.34	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Nitroaniline	ND		9.4	0.24	ug/L		05/03/12 06:43	05/07/12 22:21	1
4-Nitrophenol	ND		9.4	1.4	ug/L		05/03/12 06:43	05/07/12 22:21	1
Acenaphthene	ND		4.7	0.39	ug/L		05/03/12 06:43	05/07/12 22:21	1
Acenaphthylene	ND		4.7	0.36	ug/L		05/03/12 06:43	05/07/12 22:21	1
Acetophenone	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 22:21	1
Anthracene	ND		4.7	0.26	ug/L		05/03/12 06:43	05/07/12 22:21	1
Atrazine	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 22:21	1
Benzaldehyde	ND		4.7	0.25	ug/L		05/03/12 06:43	05/07/12 22:21	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:21	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1 DUP
Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:21	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 22:21	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:21	1
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L		05/03/12 06:43	05/07/12 22:21	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:21	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:21	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/03/12 06:43	05/07/12 22:21	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 22:21	1
Caprolactam	ND		4.7	2.1	ug/L		05/03/12 06:43	05/07/12 22:21	1
Carbazole	ND		4.7	0.28	ug/L		05/03/12 06:43	05/07/12 22:21	1
Chrysene	ND		4.7	0.31	ug/L		05/03/12 06:43	05/07/12 22:21	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		05/03/12 06:43	05/07/12 22:21	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:21	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 22:21	1
Dibenzofuran	ND		9.4	0.48	ug/L		05/03/12 06:43	05/07/12 22:21	1
Diethyl phthalate	ND		4.7	0.21	ug/L		05/03/12 06:43	05/07/12 22:21	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:21	1
Fluoranthene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:21	1
Fluorene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:21	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:21	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		05/03/12 06:43	05/07/12 22:21	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:21	1
Hexachloroethane	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:21	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:21	1
Isophorone	ND		4.7	0.41	ug/L		05/03/12 06:43	05/07/12 22:21	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 22:21	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:21	1
Naphthalene	ND		4.7	0.72	ug/L		05/03/12 06:43	05/07/12 22:21	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/03/12 06:43	05/07/12 22:21	1
Pentachlorophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:21	1
Phenanthrene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:21	1
Phenol	ND		4.7	0.37	ug/L		05/03/12 06:43	05/07/12 22:21	1
Pyrene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 22:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*59*	*T J*	*ug/L*		*2.25*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Tetrachloroethylene	*230*	*T J N*	*ug/L*		*3.63*	*127-18-4*	*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*19*	*T J*	*ug/L*		*11.40*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*12.00*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*44*	*T J*	*ug/L*		*12.38*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*26*	*T J*	*ug/L*		*12.88*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.15*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*94*	*T J*	*ug/L*		*13.20*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.46*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*34*	*T J*	*ug/L*		*13.65*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*35*	*T J*	*ug/L*		*13.92*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.19*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*45*	*T J*	*ug/L*		*14.37*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.62*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.94*		*05/03/12 06:43*	*05/07/12 22:21*	*1*
Unknown	*48*	*T J*	*ug/L*		*15.15*		*05/03/12 06:43*	*05/07/12 22:21*	*1*

Client Sample ID: RKO BASE 1 DUP

Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-2

Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	13	T J	ug/L		16.14		05/03/12 06:43	05/07/12 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	125		52 - 132	05/03/12 06:43	05/07/12 22:21	1
2-Fluorobiphenyl	83		48 - 120	05/03/12 06:43	05/07/12 22:21	1
2-Fluorophenol	29		20 - 120	05/03/12 06:43	05/07/12 22:21	1
Nitrobenzene-d5	65		46 - 120	05/03/12 06:43	05/07/12 22:21	1
p-Terphenyl-d14	78		67 - 150	05/03/12 06:43	05/07/12 22:21	1
Phenol-d5	21		16 - 120	05/03/12 06:43	05/07/12 22:21	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.047	0.0087	ug/L		05/04/12 15:58	05/07/12 12:46	1
4,4'-DDE	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:46	1
4,4'-DDT	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:46	1
Aldrin	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 12:46	1
alpha-BHC	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 12:46	1
alpha-Chlordane	ND		0.047	0.014	ug/L		05/04/12 15:58	05/07/12 12:46	1
beta-BHC	ND		0.047	0.023	ug/L		05/04/12 15:58	05/07/12 12:46	1
delta-BHC	ND		0.047	0.0094	ug/L		05/04/12 15:58	05/07/12 12:46	1
Dieldrin	ND		0.047	0.0092	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endosulfan I	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endosulfan II	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endosulfan sulfate	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endrin	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endrin aldehyde	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 12:46	1
Endrin ketone	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 12:46	1
gamma-BHC (Lindane)	ND		0.047	0.0057	ug/L		05/04/12 15:58	05/07/12 12:46	1
gamma-Chlordane	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 12:46	1
Heptachlor	ND		0.047	0.0080	ug/L		05/04/12 15:58	05/07/12 12:46	1
Heptachlor epoxide	ND		0.047	0.0050	ug/L		05/04/12 15:58	05/07/12 12:46	1
Methoxychlor	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 12:46	1
Toxaphene	ND		0.47	0.11	ug/L		05/04/12 15:58	05/07/12 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		16 - 120	05/04/12 15:58	05/07/12 12:46	1
Tetrachloro-m-xylene	71		35 - 120	05/04/12 15:58	05/07/12 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1221	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1232	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1242	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1248	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1254	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 11:10	1
PCB-1260	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		19 - 112	05/04/12 15:48	05/05/12 11:10	1
Tetrachloro-m-xylene	78		23 - 127	05/04/12 15:48	05/05/12 11:10	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1 DUP
Date Collected: 05/01/12 10:20
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/03/12 08:15	05/03/12 17:34	1
Antimony	ND		0.020	0.0068	mg/L		05/03/12 08:15	05/03/12 17:34	1
Arsenic	ND		0.010	0.0056	mg/L		05/03/12 08:15	05/03/12 17:34	1
Barium	**0.021**		0.0020	0.00070	mg/L		05/03/12 08:15	05/03/12 17:34	1
Beryllium	ND		0.0020	0.00030	mg/L		05/03/12 08:15	05/03/12 17:34	1
Cadmium	ND		0.0010	0.00050	mg/L		05/03/12 08:15	05/03/12 17:34	1
Calcium	**43.7**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:34	1
Chromium	**0.0021**	**J**	0.0040	0.0010	mg/L		05/03/12 08:15	05/03/12 17:34	1
Cobalt	ND		0.0040	0.00063	mg/L		05/03/12 08:15	05/03/12 17:34	1
Copper	**0.0059**	**J**	0.010	0.0016	mg/L		05/03/12 08:15	05/03/12 17:34	1
Iron	**0.92**		0.050	0.019	mg/L		05/03/12 08:15	05/03/12 17:34	1
Lead	**0.0040**	**J**	0.0050	0.0030	mg/L		05/03/12 08:15	05/03/12 17:34	1
Magnesium	**3.4**		0.20	0.043	mg/L		05/03/12 08:15	05/03/12 17:34	1
Manganese	**0.11**		0.0030	0.00040	mg/L		05/03/12 08:15	05/03/12 17:34	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		05/03/12 08:15	05/03/12 17:34	1
Potassium	**5.0**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:34	1
Selenium	ND		0.015	0.0087	mg/L		05/03/12 08:15	05/03/12 17:34	1
Silver	ND		0.0030	0.0017	mg/L		05/03/12 08:15	05/03/12 17:34	1
Sodium	**13.5**		1.0	0.32	mg/L		05/03/12 08:15	05/03/12 17:34	1
Thallium	ND		0.020	0.010	mg/L		05/03/12 08:15	05/03/12 17:34	1
Vanadium	ND		0.0050	0.0015	mg/L		05/03/12 08:15	05/03/12 17:34	1
Zinc	**0.11**		0.010	0.0015	mg/L		05/03/12 08:15	05/03/12 17:34	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 2

Date Collected: 05/01/12 10:50
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/12 08:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/12 08:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/12 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/12 08:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/12 08:59	1
1,1-Dichloroethene	**1.3**		1.0	0.29	ug/L			05/10/12 08:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/12 08:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/12 08:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/12 08:59	1
1,2-Dichlorobenzene	**2.5**		1.0	0.79	ug/L			05/10/12 08:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/12 08:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/12 08:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/12 08:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/12 08:59	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/12 08:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/12 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/12 08:59	1
Acetone	ND		10	3.0	ug/L			05/10/12 08:59	1
Benzene	ND		1.0	0.41	ug/L			05/10/12 08:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/12 08:59	1
Bromoform	ND		1.0	0.26	ug/L			05/10/12 08:59	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/12 08:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/12 08:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/12 08:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/12 08:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/12 08:59	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/12 08:59	1
Chloroform	ND		1.0	0.34	ug/L			05/10/12 08:59	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/12 08:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/12 08:59	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/12 08:59	1
Dichlorodifluoromethane	**1.5**		1.0	0.68	ug/L			05/10/12 08:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/12 08:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/12 08:59	1
Methyl acetate	ND		1.0	0.50	ug/L			05/10/12 08:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/12 08:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/12 08:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/12 08:59	1
Styrene	ND		1.0	0.73	ug/L			05/10/12 08:59	1
Toluene	ND		1.0	0.51	ug/L			05/10/12 08:59	1
trans-1,2-Dichloroethene	**15**		1.0	0.90	ug/L			05/10/12 08:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/12 08:59	1
Trichlorofluoromethane	**0.94**	**J**	1.0	0.88	ug/L			05/10/12 08:59	1
Vinyl chloride	**1.5**		1.0	0.90	ug/L			05/10/12 08:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/12 08:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*9.2*	*T J*	*ug/L*		*4.71*			*05/10/12 08:59*	*1*
Unknown	*11*	*T J*	*ug/L*		*6.08*			*05/10/12 08:59*	*1*

Client Sample ID: RKO BASE 2

Date Collected: 05/01/12 10:50
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*05/10/12 08:59*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*05/10/12 08:59*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*05/10/12 08:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**700**		50	41	ug/L			05/10/12 14:53	50
Tetrachloroethene	**3000**		50	18	ug/L			05/10/12 14:53	50
Trichloroethene	**950**		50	23	ug/L			05/10/12 14:53	50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	*None*		*ug/L*					*05/10/12 14:53*	*50*

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*05/10/12 14:53*	*50*
Toluene-d8 (Surr)	*107*		*71 - 126*		*05/10/12 14:53*	*50*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*05/10/12 14:53*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.62	ug/L		05/03/12 06:43	05/07/12 22:45	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:45	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Chlorophenol	ND		4.7	0.50	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Methylphenol	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Nitroaniline	ND		9.4	0.40	ug/L		05/03/12 06:43	05/07/12 22:45	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/03/12 06:43	05/07/12 22:45	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:45	1
3-Nitroaniline	ND		9.4	0.45	ug/L		05/03/12 06:43	05/07/12 22:45	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Chloroaniline	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Methylphenol	ND		9.4	0.34	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Nitroaniline	ND		9.4	0.24	ug/L		05/03/12 06:43	05/07/12 22:45	1
4-Nitrophenol	ND		9.4	1.4	ug/L		05/03/12 06:43	05/07/12 22:45	1
Acenaphthene	ND		4.7	0.39	ug/L		05/03/12 06:43	05/07/12 22:45	1
Acenaphthylene	ND		4.7	0.36	ug/L		05/03/12 06:43	05/07/12 22:45	1
Acetophenone	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 22:45	1
Anthracene	ND		4.7	0.26	ug/L		05/03/12 06:43	05/07/12 22:45	1
Atrazine	ND		4.7	0.43	ug/L		05/03/12 06:43	05/07/12 22:45	1
Benzaldehyde	ND		4.7	0.25	ug/L		05/03/12 06:43	05/07/12 22:45	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:45	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 2
Date Collected: 05/01/12 10:50
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:45	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 22:45	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:45	1
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L		05/03/12 06:43	05/07/12 22:45	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/03/12 06:43	05/07/12 22:45	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:45	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/03/12 06:43	05/07/12 22:45	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 22:45	1
Caprolactam	ND		4.7	2.1	ug/L		05/03/12 06:43	05/07/12 22:45	1
Carbazole	ND		4.7	0.28	ug/L		05/03/12 06:43	05/07/12 22:45	1
Chrysene	ND		4.7	0.31	ug/L		05/03/12 06:43	05/07/12 22:45	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		05/03/12 06:43	05/07/12 22:45	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:45	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		05/03/12 06:43	05/07/12 22:45	1
Dibenzofuran	ND		9.4	0.48	ug/L		05/03/12 06:43	05/07/12 22:45	1
Diethyl phthalate	ND		4.7	0.21	ug/L		05/03/12 06:43	05/07/12 22:45	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:45	1
Fluoranthene	ND		4.7	0.38	ug/L		05/03/12 06:43	05/07/12 22:45	1
Fluorene	ND		4.7	0.34	ug/L		05/03/12 06:43	05/07/12 22:45	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:45	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		05/03/12 06:43	05/07/12 22:45	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:45	1
Hexachloroethane	ND		4.7	0.56	ug/L		05/03/12 06:43	05/07/12 22:45	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		05/03/12 06:43	05/07/12 22:45	1
Isophorone	ND		4.7	0.41	ug/L		05/03/12 06:43	05/07/12 22:45	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		05/03/12 06:43	05/07/12 22:45	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		05/03/12 06:43	05/07/12 22:45	1
Naphthalene	ND		4.7	0.72	ug/L		05/03/12 06:43	05/07/12 22:45	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/03/12 06:43	05/07/12 22:45	1
Pentachlorophenol	ND		9.4	2.1	ug/L		05/03/12 06:43	05/07/12 22:45	1
Phenanthrene	ND		4.7	0.42	ug/L		05/03/12 06:43	05/07/12 22:45	1
Phenol	ND		4.7	0.37	ug/L		05/03/12 06:43	05/07/12 22:45	1
Pyrene	ND		4.7	0.32	ug/L		05/03/12 06:43	05/07/12 22:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*88*	*T J*	*ug/L*		*2.25*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*11*	*T J*	*ug/L*		*2.42*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Tetrachloroethylene	*320*	*T J N*	*ug/L*		*3.62*	*127-18-4*	*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*11.37*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*9.9*	*T J*	*ug/L*		*12.00*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*52*	*T J*	*ug/L*		*12.38*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Hexadecanoic acid, butyl ester	*37*	*T J N*	*ug/L*		*12.52*	*111-6-8*	*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*12.78*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*29*	*T J*	*ug/L*		*12.88*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*13.06*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Octadecanoic acid, 2-methylpropyl ester	*45*	*T J N*	*ug/L*		*13.13*	*646-13-9*	*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.46*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*39*	*T J*	*ug/L*		*13.65*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*36*	*T J*	*ug/L*		*13.92*		*05/03/12 06:43*	*05/07/12 22:45*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.18*		*05/03/12 06:43*	*05/07/12 22:45*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 2
Date Collected: 05/01/12 10:50
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-3
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	54	T J	ug/L		14.36		05/03/12 06:43	05/07/12 22:45	1
Unknown	31	T J	ug/L		14.62		05/03/12 06:43	05/07/12 22:45	1
Unknown	13	T J	ug/L		14.94		05/03/12 06:43	05/07/12 22:45	1
Unknown	52	T J	ug/L		15.15		05/03/12 06:43	05/07/12 22:45	1
Unknown	6.8	T J	ug/L		16.13		05/03/12 06:43	05/07/12 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	144	X	52 - 132	05/03/12 06:43	05/07/12 22:45	1
2-Fluorobiphenyl	87		48 - 120	05/03/12 06:43	05/07/12 22:45	1
2-Fluorophenol	35		20 - 120	05/03/12 06:43	05/07/12 22:45	1
Nitrobenzene-d5	83		46 - 120	05/03/12 06:43	05/07/12 22:45	1
p-Terphenyl-d14	86		67 - 150	05/03/12 06:43	05/07/12 22:45	1
Phenol-d5	25		16 - 120	05/03/12 06:43	05/07/12 22:45	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.047	0.0087	ug/L		05/04/12 15:58	05/07/12 13:21	1
4,4'-DDE	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 13:21	1
4,4'-DDT	**0.020**	**J**	0.047	0.010	ug/L		05/04/12 15:58	05/07/12 13:21	1
Aldrin	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 13:21	1
alpha-BHC	ND		0.047	0.0062	ug/L		05/04/12 15:58	05/07/12 13:21	1
alpha-Chlordane	ND		0.047	0.014	ug/L		05/04/12 15:58	05/07/12 13:21	1
beta-BHC	ND		0.047	0.023	ug/L		05/04/12 15:58	05/07/12 13:21	1
delta-BHC	ND		0.047	0.0094	ug/L		05/04/12 15:58	05/07/12 13:21	1
Dieldrin	ND		0.047	0.0092	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endosulfan I	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endosulfan II	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endosulfan sulfate	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endrin	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endrin aldehyde	ND		0.047	0.015	ug/L		05/04/12 15:58	05/07/12 13:21	1
Endrin ketone	ND		0.047	0.011	ug/L		05/04/12 15:58	05/07/12 13:21	1
gamma-BHC (Lindane)	ND		0.047	0.0057	ug/L		05/04/12 15:58	05/07/12 13:21	1
gamma-Chlordane	ND		0.047	0.010	ug/L		05/04/12 15:58	05/07/12 13:21	1
Heptachlor	ND		0.047	0.0080	ug/L		05/04/12 15:58	05/07/12 13:21	1
Heptachlor epoxide	ND		0.047	0.0050	ug/L		05/04/12 15:58	05/07/12 13:21	1
Methoxychlor	ND		0.047	0.013	ug/L		05/04/12 15:58	05/07/12 13:21	1
Toxaphene	ND		0.47	0.11	ug/L		05/04/12 15:58	05/07/12 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		16 - 120	05/04/12 15:58	05/07/12 13:21	1
Tetrachloro-m-xylene	73		35 - 120	05/04/12 15:58	05/07/12 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1221	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1232	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1242	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1248	ND		0.47	0.17	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1254	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 11:26	1
PCB-1260	ND		0.47	0.24	ug/L		05/04/12 15:48	05/05/12 11:26	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 2

Date Collected: 05/01/12 10:50
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*57*		*19 - 112*	*05/04/12 15:48*	*05/05/12 11:26*	*1*
Tetrachloro-m-xylene	*80*		*23 - 127*	*05/04/12 15:48*	*05/05/12 11:26*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.067**	**J**	0.20	0.060	mg/L		05/03/12 08:15	05/03/12 17:41	1
Antimony	ND		0.020	0.0068	mg/L		05/03/12 08:15	05/03/12 17:41	1
Arsenic	ND		0.010	0.0056	mg/L		05/03/12 08:15	05/03/12 17:41	1
Barium	**0.019**		0.0020	0.00070	mg/L		05/03/12 08:15	05/03/12 17:41	1
Beryllium	ND		0.0020	0.00030	mg/L		05/03/12 08:15	05/03/12 17:41	1
Cadmium	ND		0.0010	0.00050	mg/L		05/03/12 08:15	05/03/12 17:41	1
Calcium	**41.4**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:41	1
Chromium	**0.0017**	**J**	0.0040	0.0010	mg/L		05/03/12 08:15	05/03/12 17:41	1
Cobalt	ND		0.0040	0.00063	mg/L		05/03/12 08:15	05/03/12 17:41	1
Copper	**0.0046**	**J**	0.010	0.0016	mg/L		05/03/12 08:15	05/03/12 17:41	1
Iron	**0.84**		0.050	0.019	mg/L		05/03/12 08:15	05/03/12 17:41	1
Lead	ND		0.0050	0.0030	mg/L		05/03/12 08:15	05/03/12 17:41	1
Magnesium	**3.2**		0.20	0.043	mg/L		05/03/12 08:15	05/03/12 17:41	1
Manganese	**0.061**		0.0030	0.00040	mg/L		05/03/12 08:15	05/03/12 17:41	1
Nickel	**0.0018**	**J**	0.010	0.0013	mg/L		05/03/12 08:15	05/03/12 17:41	1
Potassium	**4.7**		0.50	0.10	mg/L		05/03/12 08:15	05/03/12 17:41	1
Selenium	ND		0.015	0.0087	mg/L		05/03/12 08:15	05/03/12 17:41	1
Silver	ND		0.0030	0.0017	mg/L		05/03/12 08:15	05/03/12 17:41	1
Sodium	**12.9**		1.0	0.32	mg/L		05/03/12 08:15	05/03/12 17:41	1
Thallium	ND		0.020	0.010	mg/L		05/03/12 08:15	05/03/12 17:41	1
Vanadium	ND		0.0050	0.0015	mg/L		05/03/12 08:15	05/03/12 17:41	1
Zinc	**0.091**		0.010	0.0015	mg/L		05/03/12 08:15	05/03/12 17:41	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: TRIP BLANK
Date Collected: 05/01/12 00:00
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/12 07:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/12 07:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/12 07:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/12 07:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/12 07:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/12 07:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/12 07:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/12 07:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/12 07:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/12 07:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/12 07:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/12 07:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/12 07:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/12 07:48	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/12 07:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/12 07:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/12 07:48	1
Acetone	ND		10	3.0	ug/L			05/10/12 07:48	1
Benzene	ND		1.0	0.41	ug/L			05/10/12 07:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/12 07:48	1
Bromoform	ND		1.0	0.26	ug/L			05/10/12 07:48	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/12 07:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/12 07:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/12 07:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/12 07:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/12 07:48	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/12 07:48	1
Chloroform	ND		1.0	0.34	ug/L			05/10/12 07:48	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/12 07:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/12 07:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/12 07:48	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/12 07:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/12 07:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/12 07:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/12 07:48	1
Methyl acetate	ND		1.0	0.50	ug/L			05/10/12 07:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/12 07:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/12 07:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/12 07:48	1
Styrene	ND		1.0	0.73	ug/L			05/10/12 07:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/12 07:48	1
Toluene	ND		1.0	0.51	ug/L			05/10/12 07:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/12 07:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/12 07:48	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/12 07:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/12 07:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/12 07:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/12 07:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Silanol, trimethyl-	*7.6*	*T J N*	*ug/L*		*3.62*	*1066-40-6*		*05/10/12 07:48*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: TRIP BLANK
Date Collected: 05/01/12 00:00
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		05/10/12 07:48	1
Toluene-d8 (Surr)	108		71 - 126		05/10/12 07:48	1
4-Bromofluorobenzene (Surr)	115		73 - 120		05/10/12 07:48	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: RKO BASE 1

Lab Sample ID: 480-19461-1

Date Collected: 05/01/12 10:20

Matrix: Water

Date Received: 05/02/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	63753	05/10/12 08:12	LH	TAL BUF
Total/NA	Analysis	8260B	DL	50	63825	05/10/12 14:02	RL	TAL BUF
Total/NA	Prep	3510C			62785	05/03/12 06:43	TR	TAL BUF
Total/NA	Analysis	8270C		1	63327	05/07/12 21:58	RMM	TAL BUF
Total/NA	Prep	3510C			63146	05/04/12 15:48	DE	TAL BUF
Total/NA	Analysis	8082		1	63192	05/05/12 10:54	JM	TAL BUF
Total/NA	Prep	3510C			63148	05/04/12 15:58	DE	TAL BUF
Total/NA	Analysis	8081A		1	63274	05/07/12 12:10	LW	TAL BUF
Total/NA	Prep	3005A			62760	05/03/12 08:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	63025	05/03/12 17:32	MM	TAL BUF

Client Sample ID: RKO BASE 1 DUP

Lab Sample ID: 480-19461-2

Date Collected: 05/01/12 10:20

Matrix: Water

Date Received: 05/02/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	63753	05/10/12 08:36	LH	TAL BUF
Total/NA	Analysis	8260B	DL	50	63825	05/10/12 14:30	RL	TAL BUF
Total/NA	Prep	3510C			62785	05/03/12 06:43	TR	TAL BUF
Total/NA	Analysis	8270C		1	63327	05/07/12 22:21	RMM	TAL BUF
Total/NA	Prep	3510C			63146	05/04/12 15:48	DE	TAL BUF
Total/NA	Analysis	8082		1	63192	05/05/12 11:10	JM	TAL BUF
Total/NA	Prep	3510C			63148	05/04/12 15:58	DE	TAL BUF
Total/NA	Analysis	8081A		1	63274	05/07/12 12:46	LW	TAL BUF
Total/NA	Prep	3005A			62760	05/03/12 08:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	63025	05/03/12 17:34	MM	TAL BUF

Client Sample ID: RKO BASE 2

Lab Sample ID: 480-19461-3

Date Collected: 05/01/12 10:50

Matrix: Water

Date Received: 05/02/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	63753	05/10/12 08:59	LH	TAL BUF
Total/NA	Analysis	8260B	DL	50	63825	05/10/12 14:53	RL	TAL BUF
Total/NA	Prep	3510C			62785	05/03/12 06:43	TR	TAL BUF
Total/NA	Analysis	8270C		1	63327	05/07/12 22:45	RMM	TAL BUF
Total/NA	Prep	3510C			63146	05/04/12 15:48	DE	TAL BUF
Total/NA	Analysis	8082		1	63192	05/05/12 11:26	JM	TAL BUF
Total/NA	Prep	3510C			63148	05/04/12 15:58	DE	TAL BUF
Total/NA	Analysis	8081A		1	63274	05/07/12 13:21	LW	TAL BUF
Total/NA	Prep	3005A			62760	05/03/12 08:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	63025	05/03/12 17:41	MM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Client Sample ID: TRIP BLANK
Date Collected: 05/01/12 00:00
Date Received: 05/02/12 09:00

Lab Sample ID: 480-19461-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	63753	05/10/12 07:48	LH	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	Federal		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF

Protocol References:

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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-19461-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-19461-1	RKO BASE 1	Water	05/01/12 10:20	05/02/12 09:00
480-19461-2	RKO BASE 1 DUP	Water	05/01/12 10:20	05/02/12 09:00
480-19461-3	RKO BASE 2	Water	05/01/12 10:50	05/02/12 09:00
480-19461-4	TRIP BLANK	Water	05/01/12 00:00	05/02/12 09:00

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: RALPH KEATING	Lab PM: Hoffman, Sally	Carrier Tracking No(s):	COC No: 480-24113-6119.1
Client Contact: Mr. Ralph Keating	Phone: 518 402 9768	E-Mail: sally.hoffman@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #:
Address: 625 Broadway 12th Floor	Due Date Requested: 5/10/12			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12233				
Phone:	PO #: CallOut ID 120894			
Email: rxkeatin@gw.dec.state.ny.us	WO #:			
Project Name: Former RKO Dry Cleaners #401065	Project #: 48005902			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	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)	6010B - TAL Metals ICP	8260B - (MOD) TCL list OLM04.2	8081A - TCL Pesticides - OLM04.2	8082 - TCL PCBs - OLM04.2	8270C - (MOD) TCL SVOA - OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N	N		
RKO BASE 1	5/1/12	10:20	G	Water			✓	✓	✓	✓	✓		
RKO BASE 1 DUP	5/1/12	10:20	G	Water			✓	✓	✓	✓	✓		
RKO BASE 2	5/1/12	10:50	G	Water			✓	✓	✓	✓	✓		

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 5/11/12 11:25	Company: NYSDEC	Received by:	Date/Time: 5/1/12 11:25	Company: TAL
Relinquished by:	Date/Time: 5/1/12 1700	Company: TAL	Received by:	Date/Time: 5/2/12 900	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.2, 3.3 #1

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-19461-1

Login Number: 19461

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel 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	RALPH KEATING
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-21755-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

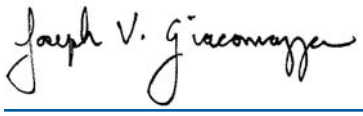
Joseph V. Giacomazza

Authorized for release by:
6/26/2012 3:59:12 PM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
6/26/2012 3:59:12 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-21755-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-21755-1

Receipt
The samples were received on 6/25/2012 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.3º C.

GC/MS VOA
No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Client Sample ID: Effluent
Date Collected: 06/23/12 11:32
Date Received: 06/25/12 10:00

Lab Sample ID: 480-21755-1
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			06/26/12 04:32	1
Acrylonitrile	ND		25	1.9	ug/L			06/26/12 04:32	1
Benzene	ND		5.0	0.60	ug/L			06/26/12 04:32	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			06/26/12 04:32	1
Bromoform	ND		5.0	0.47	ug/L			06/26/12 04:32	1
Bromomethane	ND		5.0	1.2	ug/L			06/26/12 04:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/26/12 04:32	1
Chlorobenzene	ND		5.0	0.48	ug/L			06/26/12 04:32	1
Chloroethane	ND		5.0	0.87	ug/L			06/26/12 04:32	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			06/26/12 04:32	1
Chloroform	ND		5.0	0.54	ug/L			06/26/12 04:32	1
Chloromethane	ND		5.0	0.64	ug/L			06/26/12 04:32	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			06/26/12 04:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/26/12 04:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/26/12 04:32	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			06/26/12 04:32	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			06/26/12 04:32	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			06/26/12 04:32	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			06/26/12 04:32	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			06/26/12 04:32	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/26/12 04:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/26/12 04:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			06/26/12 04:32	1
Tetrachloroethene	**1.1**	**J**	5.0	0.34	ug/L			06/26/12 04:32	1
Toluene	ND		5.0	0.45	ug/L			06/26/12 04:32	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/26/12 04:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/26/12 04:32	1
Trichloroethene	ND		5.0	0.60	ug/L			06/26/12 04:32	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/26/12 04:32	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			06/26/12 04:32	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/26/12 04:32	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			06/26/12 04:32	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			06/26/12 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*		*06/26/12 04:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*69 - 121*		*06/26/12 04:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 123*		*06/26/12 04:32*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Client Sample ID: Trip Blank
Date Collected: 06/23/12 00:00
Date Received: 06/25/12 10:00

Lab Sample ID: 480-21755-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			06/26/12 04:53	1
Acrylonitrile	ND		25	1.9	ug/L			06/26/12 04:53	1
Benzene	ND		5.0	0.60	ug/L			06/26/12 04:53	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			06/26/12 04:53	1
Bromoform	ND		5.0	0.47	ug/L			06/26/12 04:53	1
Bromomethane	ND		5.0	1.2	ug/L			06/26/12 04:53	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/26/12 04:53	1
Chlorobenzene	ND		5.0	0.48	ug/L			06/26/12 04:53	1
Chloroethane	ND		5.0	0.87	ug/L			06/26/12 04:53	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			06/26/12 04:53	1
Chloroform	ND		5.0	0.54	ug/L			06/26/12 04:53	1
Chloromethane	ND		5.0	0.64	ug/L			06/26/12 04:53	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			06/26/12 04:53	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/26/12 04:53	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/26/12 04:53	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			06/26/12 04:53	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			06/26/12 04:53	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			06/26/12 04:53	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			06/26/12 04:53	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			06/26/12 04:53	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/26/12 04:53	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/26/12 04:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			06/26/12 04:53	1
Tetrachloroethene	ND		5.0	0.34	ug/L			06/26/12 04:53	1
Toluene	ND		5.0	0.45	ug/L			06/26/12 04:53	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/26/12 04:53	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/26/12 04:53	1
Trichloroethene	ND		5.0	0.60	ug/L			06/26/12 04:53	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/26/12 04:53	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			06/26/12 04:53	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/26/12 04:53	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			06/26/12 04:53	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			06/26/12 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*		*06/26/12 04:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*69 - 121*		*06/26/12 04:53*	*1*
Toluene-d8 (Surr)	*99*		*70 - 123*		*06/26/12 04:53*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Client Sample ID: Effluent

Lab Sample ID: 480-21755-1

Date Collected: 06/23/12 11:32

Matrix: Water

Date Received: 06/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	69808	06/26/12 04:32	TRB	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-21755-2

Date Collected: 06/23/12 00:00

Matrix: Water

Date Received: 06/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	69808	06/26/12 04:53	TRB	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	00278
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21755-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-21755-1	Effluent	Water	06/23/12 11:32	06/25/12 10:00
480-21755-2	Trip Blank	Water	06/23/12 00:00	06/25/12 10:00

TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, New York 14228
Phone (716) 691-2600

Albany Service Center
25 Kraft Avenue
Albany, NY 12205
Phone (518) 428-8140

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tim Knollmeyer / Tom Gismichel	Lab PM: Sally Hoffman	Carrier Tracking No(s):	COC No:
Client Contact: Mr Ralph Keating	Phone: 413-230-8415	E-Mail:		Page:
Company: New York State D.E.C				Job #:
Address: 625 Broadway 11th Floor	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)
City: Albany	TAT Requested (days): 24 Hour			
State, Zip: Ny 12233	Quote #			Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐
Phone: 518-885-5383	PO #:			
Email: RxkeatINGGW.DEC.State.NY.US.	WO #:			
Project Name/number: Former RKO Dry Cleaners #401065	SSOW#:			
Site:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOA 624	Total Number of containers	Special Instructions/Note:
			Preservation Code:					A		
Effluent	6/23/12	11:30	G	W	TG	N	N	X	3	
Trip Blank	6/12/12		G	W				X	2	
										CC: Tgismichael@Aztechtech.com;
										WShafer@Aztechtech.com

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: **NYDEC EDD FORMAT**

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tom Gismichael	6/23/12	Aztech	FEDEX		
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 6/25/12 1000	Company: BUF
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: 5.3°C #3

WI-QA-010-rev 6

Page 12 of 13

6/26/2012

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-21755-1

Login Number: 21755

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-21862-1
Client Project/Site: Former RKO Dry Cleaners #401065
Revision: 1

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

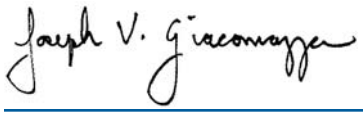
Joseph V. Giacomazza

Authorized for release by:
7/16/2012 4:12:26 PM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
7/16/2012 4:12:26 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-21862-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-21862-1

Revision I
Report was revised to include samples 1, 2, 3

Receipt
The samples were received on 6/27/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method 8260B: The following samples were diluted due to the abundance of target analytes: DRUM #1 (480-21862-4), DRUM #3 (480-21862-5). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted due to the abundance of target analytes: DRUM #1 (480-21862-4), DRUM #3 (480-21862-5). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted due to the abundance of target analytes: DRUM #4 (480-21862-3), DRUM #5 (480-21862-1). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted due to the abundance of target analytes: DRUM #2 (480-21862-2), DRUM #4 (480-21862-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #5
Date Collected: 06/26/12 11:15
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	410	ug/L			06/28/12 18:59	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			06/28/12 18:59	500
1,1,2-Trichloroethane	ND		500	120	ug/L			06/28/12 18:59	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			06/28/12 18:59	500
1,1-Dichloroethane	ND		500	190	ug/L			06/28/12 18:59	500
1,1-Dichloroethene	ND		500	150	ug/L			06/28/12 18:59	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			06/28/12 18:59	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			06/28/12 18:59	500
1,2-Dibromoethane	ND		500	370	ug/L			06/28/12 18:59	500
1,2-Dichlorobenzene	ND		500	400	ug/L			06/28/12 18:59	500
1,2-Dichloroethane	ND		500	110	ug/L			06/28/12 18:59	500
1,2-Dichloropropane	ND		500	360	ug/L			06/28/12 18:59	500
1,3-Dichlorobenzene	ND		500	390	ug/L			06/28/12 18:59	500
1,4-Dichlorobenzene	ND		500	420	ug/L			06/28/12 18:59	500
2-Hexanone	ND		2500	620	ug/L			06/28/12 18:59	500
2-Butanone (MEK)	ND		5000	660	ug/L			06/28/12 18:59	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			06/28/12 18:59	500
Acetone	ND		5000	1500	ug/L			06/28/12 18:59	500
Benzene	ND		500	210	ug/L			06/28/12 18:59	500
Bromodichloromethane	ND		500	200	ug/L			06/28/12 18:59	500
Bromoform	ND		500	130	ug/L			06/28/12 18:59	500
Bromomethane	ND		500	350	ug/L			06/28/12 18:59	500
Carbon disulfide	ND		500	95	ug/L			06/28/12 18:59	500
Carbon tetrachloride	ND		500	140	ug/L			06/28/12 18:59	500
Chlorobenzene	ND		500	380	ug/L			06/28/12 18:59	500
Dibromochloromethane	ND		500	160	ug/L			06/28/12 18:59	500
Chloroethane	ND		500	160	ug/L			06/28/12 18:59	500
Chloroform	ND		500	170	ug/L			06/28/12 18:59	500
Chloromethane	ND		500	180	ug/L			06/28/12 18:59	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			06/28/12 18:59	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			06/28/12 18:59	500
Cyclohexane	ND		500	90	ug/L			06/28/12 18:59	500
Dichlorodifluoromethane	ND		500	340	ug/L			06/28/12 18:59	500
Ethylbenzene	ND		500	370	ug/L			06/28/12 18:59	500
Isopropylbenzene	ND		500	400	ug/L			06/28/12 18:59	500
Methyl acetate	ND		500	250	ug/L			06/28/12 18:59	500
Methyl tert-butyl ether	ND		500	80	ug/L			06/28/12 18:59	500
Methylcyclohexane	ND		500	80	ug/L			06/28/12 18:59	500
Methylene Chloride	ND		500	220	ug/L			06/28/12 18:59	500
Styrene	ND		500	370	ug/L			06/28/12 18:59	500
Tetrachloroethene	**41000**		500	180	ug/L			06/28/12 18:59	500
Toluene	ND		500	260	ug/L			06/28/12 18:59	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			06/28/12 18:59	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			06/28/12 18:59	500
Trichloroethene	**350**	**J**	500	230	ug/L			06/28/12 18:59	500
Trichlorofluoromethane	ND		500	440	ug/L			06/28/12 18:59	500
Vinyl chloride	ND		500	450	ug/L			06/28/12 18:59	500
Xylenes, Total	ND		1000	330	ug/L			06/28/12 18:59	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/28/12 18:59*	*500*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #5
Date Collected: 06/26/12 11:15
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*06/28/12 18:59*	*500*
Toluene-d8 (Surr)	*102*		*71 - 126*		*06/28/12 18:59*	*500*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*06/28/12 18:59*	*500*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #2
Date Collected: 06/26/12 11:30
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			06/29/12 12:18	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			06/29/12 12:18	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			06/29/12 12:18	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			06/29/12 12:18	20
1,1-Dichloroethane	ND		20	7.6	ug/L			06/29/12 12:18	20
1,1-Dichloroethene	ND		20	5.8	ug/L			06/29/12 12:18	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			06/29/12 12:18	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			06/29/12 12:18	20
1,2-Dibromoethane	ND		20	15	ug/L			06/29/12 12:18	20
1,2-Dichlorobenzene	ND		20	16	ug/L			06/29/12 12:18	20
1,2-Dichloroethane	ND		20	4.2	ug/L			06/29/12 12:18	20
1,2-Dichloropropane	ND		20	14	ug/L			06/29/12 12:18	20
1,3-Dichlorobenzene	ND		20	16	ug/L			06/29/12 12:18	20
1,4-Dichlorobenzene	ND		20	17	ug/L			06/29/12 12:18	20
2-Hexanone	ND		100	25	ug/L			06/29/12 12:18	20
2-Butanone (MEK)	ND		200	26	ug/L			06/29/12 12:18	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			06/29/12 12:18	20
Acetone	ND		200	60	ug/L			06/29/12 12:18	20
Benzene	ND		20	8.2	ug/L			06/29/12 12:18	20
Bromodichloromethane	ND		20	7.8	ug/L			06/29/12 12:18	20
Bromoform	ND		20	5.2	ug/L			06/29/12 12:18	20
Bromomethane	ND		20	14	ug/L			06/29/12 12:18	20
Carbon disulfide	ND		20	3.8	ug/L			06/29/12 12:18	20
Carbon tetrachloride	ND		20	5.4	ug/L			06/29/12 12:18	20
Chlorobenzene	ND		20	15	ug/L			06/29/12 12:18	20
Dibromochloromethane	ND		20	6.4	ug/L			06/29/12 12:18	20
Chloroethane	ND		20	6.4	ug/L			06/29/12 12:18	20
Chloroform	ND		20	6.8	ug/L			06/29/12 12:18	20
Chloromethane	ND		20	7.0	ug/L			06/29/12 12:18	20
cis-1,2-Dichloroethene	**50**		20	16	ug/L			06/29/12 12:18	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			06/29/12 12:18	20
Cyclohexane	ND		20	3.6	ug/L			06/29/12 12:18	20
Dichlorodifluoromethane	ND		20	14	ug/L			06/29/12 12:18	20
Ethylbenzene	ND		20	15	ug/L			06/29/12 12:18	20
Isopropylbenzene	ND		20	16	ug/L			06/29/12 12:18	20
Methyl acetate	ND		20	10	ug/L			06/29/12 12:18	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			06/29/12 12:18	20
Methylcyclohexane	ND		20	3.2	ug/L			06/29/12 12:18	20
Methylene Chloride	ND		20	8.8	ug/L			06/29/12 12:18	20
Styrene	ND		20	15	ug/L			06/29/12 12:18	20
Tetrachloroethene	**1700**		20	7.2	ug/L			06/29/12 12:18	20
Toluene	ND		20	10	ug/L			06/29/12 12:18	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			06/29/12 12:18	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			06/29/12 12:18	20
Trichloroethene	**71**		20	9.2	ug/L			06/29/12 12:18	20
Trichlorofluoromethane	ND		20	18	ug/L			06/29/12 12:18	20
Vinyl chloride	ND		20	18	ug/L			06/29/12 12:18	20
Xylenes, Total	ND		40	13	ug/L			06/29/12 12:18	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*96*		*ug/L*		*7.18*	*630-20-6*		*06/29/12 12:18*	*20*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #2
Date Collected: 06/26/12 11:30
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-2
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/29/12 12:18	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		06/29/12 12:18	20
Toluene-d8 (Surr)	104		71 - 126		06/29/12 12:18	20
4-Bromofluorobenzene (Surr)	99		73 - 120		06/29/12 12:18	20

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #4
Date Collected: 06/26/12 11:45
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	410	ug/L			06/28/12 19:43	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			06/28/12 19:43	500
1,1,2-Trichloroethane	ND		500	120	ug/L			06/28/12 19:43	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			06/28/12 19:43	500
1,1-Dichloroethane	ND		500	190	ug/L			06/28/12 19:43	500
1,1-Dichloroethene	ND		500	150	ug/L			06/28/12 19:43	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			06/28/12 19:43	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			06/28/12 19:43	500
1,2-Dibromoethane	ND		500	370	ug/L			06/28/12 19:43	500
1,2-Dichlorobenzene	ND		500	400	ug/L			06/28/12 19:43	500
1,2-Dichloroethane	ND		500	110	ug/L			06/28/12 19:43	500
1,2-Dichloropropane	ND		500	360	ug/L			06/28/12 19:43	500
1,3-Dichlorobenzene	ND		500	390	ug/L			06/28/12 19:43	500
1,4-Dichlorobenzene	ND		500	420	ug/L			06/28/12 19:43	500
2-Hexanone	ND		2500	620	ug/L			06/28/12 19:43	500
2-Butanone (MEK)	ND		5000	660	ug/L			06/28/12 19:43	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			06/28/12 19:43	500
Acetone	ND		5000	1500	ug/L			06/28/12 19:43	500
Benzene	ND		500	210	ug/L			06/28/12 19:43	500
Bromodichloromethane	ND		500	200	ug/L			06/28/12 19:43	500
Bromoform	ND		500	130	ug/L			06/28/12 19:43	500
Bromomethane	ND		500	350	ug/L			06/28/12 19:43	500
Carbon disulfide	ND		500	95	ug/L			06/28/12 19:43	500
Carbon tetrachloride	ND		500	140	ug/L			06/28/12 19:43	500
Chlorobenzene	ND		500	380	ug/L			06/28/12 19:43	500
Dibromochloromethane	ND		500	160	ug/L			06/28/12 19:43	500
Chloroethane	ND		500	160	ug/L			06/28/12 19:43	500
Chloroform	ND		500	170	ug/L			06/28/12 19:43	500
Chloromethane	ND		500	180	ug/L			06/28/12 19:43	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			06/28/12 19:43	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			06/28/12 19:43	500
Cyclohexane	ND		500	90	ug/L			06/28/12 19:43	500
Dichlorodifluoromethane	ND		500	340	ug/L			06/28/12 19:43	500
Ethylbenzene	ND		500	370	ug/L			06/28/12 19:43	500
Isopropylbenzene	ND		500	400	ug/L			06/28/12 19:43	500
Methyl acetate	ND		500	250	ug/L			06/28/12 19:43	500
Methyl tert-butyl ether	ND		500	80	ug/L			06/28/12 19:43	500
Methylcyclohexane	ND		500	80	ug/L			06/28/12 19:43	500
Methylene Chloride	ND		500	220	ug/L			06/28/12 19:43	500
Styrene	ND		500	370	ug/L			06/28/12 19:43	500
Toluene	ND		500	260	ug/L			06/28/12 19:43	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			06/28/12 19:43	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			06/28/12 19:43	500
Trichloroethene	**360**	**J**	500	230	ug/L			06/28/12 19:43	500
Trichlorofluoromethane	ND		500	440	ug/L			06/28/12 19:43	500
Vinyl chloride	ND		500	450	ug/L			06/28/12 19:43	500
Xylenes, Total	ND		1000	330	ug/L			06/28/12 19:43	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/28/12 19:43*	*500*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #4
Date Collected: 06/26/12 11:45
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		06/28/12 19:43	500
Toluene-d8 (Surr)	101		71 - 126		06/28/12 19:43	500
4-Bromofluorobenzene (Surr)	96		73 - 120		06/28/12 19:43	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	300000		10000	3600	ug/L			06/29/12 12:40	10000

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/29/12 12:40	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		06/29/12 12:40	10000
Toluene-d8 (Surr)	103		71 - 126		06/29/12 12:40	10000
4-Bromofluorobenzene (Surr)	98		73 - 120		06/29/12 12:40	10000

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #1
Date Collected: 06/26/12 13:10
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-4
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4900	1400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,1,2,2-Tetrachloroethane	ND		4900	790	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,1,2-Trichloroethane	ND		4900	1000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4900	2400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,1-Dichloroethane	ND		4900	1500	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,1-Dichloroethene	ND		4900	1700	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2,4-Trichlorobenzene	ND		4900	1900	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2-Dibromo-3-Chloropropane	ND		4900	2400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2-Dibromoethane	ND		4900	190	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2-Dichlorobenzene	**240000**		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2-Dichloroethane	ND		4900	2000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,2-Dichloropropane	ND		4900	790	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,3-Dichlorobenzene	ND		4900	1300	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
1,4-Dichlorobenzene	ND		4900	680	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
2-Hexanone	ND		24000	10000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
2-Butanone (MEK)	ND		24000	15000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
4-Methyl-2-pentanone (MIBK)	ND		24000	1600	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Acetone	ND		24000	20000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Benzene	ND		4900	230	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Bromodichloromethane	ND		4900	980	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Bromoform	ND		4900	2400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Bromomethane	ND		4900	1100	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Carbon disulfide	ND		4900	2200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Carbon tetrachloride	ND		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Chlorobenzene	ND		4900	650	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Dibromochloromethane	ND		4900	2400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Chloroethane	ND		4900	1000	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Chloroform	ND		4900	3400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Chloromethane	ND		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
cis-1,2-Dichloroethene	**2900**	**J**	4900	1400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
cis-1,3-Dichloropropene	ND		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Cyclohexane	ND		4900	1100	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Dichlorodifluoromethane	ND		4900	2100	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Ethylbenzene	ND		4900	1400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Isopropylbenzene	**1800**	**J**	4900	730	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Methyl acetate	ND		4900	2300	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Methyl tert-butyl ether	ND		4900	1800	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Methylcyclohexane	ND		4900	2300	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Methylene Chloride	ND		4900	970	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Styrene	ND		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Toluene	ND		4900	1300	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
trans-1,2-Dichloroethene	ND		4900	1200	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
trans-1,3-Dichloropropene	ND		4900	230	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Trichloroethene	**25000**		4900	1400	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Trichlorofluoromethane	ND		4900	2300	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Vinyl chloride	ND		4900	1600	ug/Kg		06/27/12 17:27	06/28/12 05:38	50
Xylenes, Total	**6500**	**J**	9800	820	ug/Kg		06/27/12 17:27	06/28/12 05:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*06/27/12 17:27*	*06/28/12 05:38*	*50*
Toluene-d8 (Surr)	*110*		*50 - 149*	*06/27/12 17:27*	*06/28/12 05:38*	*50*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #1
Date Collected: 06/26/12 13:10
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-4
Matrix: Waste

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*06/27/12 17:27*	*06/28/12 05:38*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	2400000		2000000	260000	ug/Kg		06/27/12 17:27	06/28/12 16:00	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*06/27/12 17:27*	*06/28/12 16:00*	*20000*
Toluene-d8 (Surr)	*115*		*50 - 149*	*06/27/12 17:27*	*06/28/12 16:00*	*20000*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*06/27/12 17:27*	*06/28/12 16:00*	*20000*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #3
Date Collected: 06/26/12 13:00
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-5
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10000	2800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,1,2,2-Tetrachloroethane	ND		10000	1600	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,1,2-Trichloroethane	ND		10000	2100	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	5000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,1-Dichloroethane	ND		10000	3100	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,1-Dichloroethene	ND		10000	3500	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2,4-Trichlorobenzene	ND		10000	3800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2-Dibromo-3-Chloropropane	ND		10000	5000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2-Dibromoethane	ND		10000	380	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2-Dichlorobenzene	**640000**		10000	2500	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2-Dichloroethane	ND		10000	4100	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,2-Dichloropropane	ND		10000	1600	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,3-Dichlorobenzene	ND		10000	2700	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
1,4-Dichlorobenzene	ND		10000	1400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
2-Hexanone	ND		50000	20000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
2-Butanone (MEK)	ND		50000	30000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
4-Methyl-2-pentanone (MIBK)	ND		50000	3200	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Acetone	ND		50000	41000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Benzene	ND		10000	480	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Bromodichloromethane	ND		10000	2000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Bromoform	ND		10000	5000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Bromomethane	ND		10000	2200	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Carbon disulfide	ND		10000	4500	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Carbon tetrachloride	ND		10000	2500	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Chlorobenzene	ND		10000	1300	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Dibromochloromethane	ND		10000	4800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Chloroethane	ND		10000	2100	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Chloroform	ND		10000	6800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Chloromethane	ND		10000	2400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
cis-1,2-Dichloroethene	ND		10000	2800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
cis-1,3-Dichloropropene	ND		10000	2400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Cyclohexane	ND		10000	2200	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Dichlorodifluoromethane	ND		10000	4400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Ethylbenzene	ND		10000	2900	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Isopropylbenzene	**4500**	**J**	10000	1500	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Methyl acetate	ND		10000	4800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Methyl tert-butyl ether	ND		10000	3800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Methylcyclohexane	ND		10000	4700	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Methylene Chloride	ND		10000	2000	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Styrene	ND		10000	2400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Toluene	ND		10000	2700	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
trans-1,2-Dichloroethene	ND		10000	2400	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
trans-1,3-Dichloropropene	ND		10000	480	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Trichloroethene	**20000**		10000	2800	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Trichlorofluoromethane	ND		10000	4700	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Vinyl chloride	ND		10000	3300	ug/Kg		06/27/12 17:27	06/28/12 06:01	100
Xylenes, Total	**11000**	**J**	20000	1700	ug/Kg		06/27/12 17:27	06/28/12 06:01	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*53 - 146*	*06/27/12 17:27*	*06/28/12 06:01*	*100*
Toluene-d8 (Surr)	*114*		*50 - 149*	*06/27/12 17:27*	*06/28/12 06:01*	*100*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #3
Date Collected: 06/26/12 13:00
Date Received: 06/27/12 09:00

Lab Sample ID: 480-21862-5
Matrix: Waste

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*06/27/12 17:27*	*06/28/12 06:01*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	2200000		2000000	270000	ug/Kg		06/27/12 17:27	06/28/12 16:23	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*110*		*53 - 146*	*06/27/12 17:27*	*06/28/12 16:23*	*20000*
Toluene-d8 (Surr)	*116*		*50 - 149*	*06/27/12 17:27*	*06/28/12 16:23*	*20000*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*06/27/12 17:27*	*06/28/12 16:23*	*20000*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Client Sample ID: DRUM #5

Lab Sample ID: 480-21862-1

Date Collected: 06/26/12 11:15

Matrix: Water

Date Received: 06/27/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	70397	06/28/12 18:59	TRB	TAL BUF

Client Sample ID: DRUM #2

Lab Sample ID: 480-21862-2

Date Collected: 06/26/12 11:30

Matrix: Water

Date Received: 06/27/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	70554	06/29/12 12:18	ND	TAL BUF

Client Sample ID: DRUM #4

Lab Sample ID: 480-21862-3

Date Collected: 06/26/12 11:45

Matrix: Water

Date Received: 06/27/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	70397	06/28/12 19:43	TRB	TAL BUF
Total/NA	Analysis	8260B	DL	10000	70554	06/29/12 12:40	ND	TAL BUF

Client Sample ID: DRUM #1

Lab Sample ID: 480-21862-4

Date Collected: 06/26/12 13:10

Matrix: Waste

Date Received: 06/27/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			70272	06/27/12 17:27	RL	TAL BUF
Total/NA	Analysis	8260B		50	70297	06/28/12 05:38	PJQ	TAL BUF
Total/NA	Prep	5035	DL		70272	06/27/12 17:27	RL	TAL BUF
Total/NA	Analysis	8260B	DL	20000	70403	06/28/12 16:00	RJ	TAL BUF

Client Sample ID: DRUM #3

Lab Sample ID: 480-21862-5

Date Collected: 06/26/12 13:00

Matrix: Waste

Date Received: 06/27/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			70272	06/27/12 17:27	RL	TAL BUF
Total/NA	Analysis	8260B		100	70297	06/28/12 06:01	PJQ	TAL BUF
Total/NA	Prep	5035	DL		70272	06/27/12 17:27	RL	TAL BUF
Total/NA	Analysis	8260B	DL	20000	70403	06/28/12 16:23	RJ	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-21862-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-21862-1	DRUM #5	Water	06/26/12 11:15	06/27/12 09:00
480-21862-2	DRUM #2	Water	06/26/12 11:30	06/27/12 09:00
480-21862-3	DRUM #4	Water	06/26/12 11:45	06/27/12 09:00
480-21862-4	DRUM #1	Waste	06/26/12 13:10	06/27/12 09:00
480-21862-5	DRUM #3	Waste	06/26/12 13:00	06/27/12 09:00

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: CARL ALDRICH	Lab PM: Hoffman, Sally	Carrier Tracking No(s):
Client Contact: Mr. Ralph Keating	Phone: 518 485 5363	E-Mail: sally.hoffman@testamericainc.com	COC No: 480-25568-6549.1
Company: New York State D.E.C.			Page: Page 1 of 2
Address: 625 Broadway 11th Floor	Due Date Requested: STANDARD		Job #:
City: Albany	TAT Requested (days):		
State, Zip: NY, 12233			
Phone:	PO #: CallOut ID 120894		
Email: rxkeatin@gw.dec.state.ny.us	WO #:		
Project Name: Former RKO Dry Cleaners #401065	Project #: 48005902		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Priority Pollutant List - VOA - 624	8260B - TCL list OLM04.2 "TOTAL VOA"	TCLP VOA	TCLP SVOA	TCLP METALS	TCLP PESTS	TCLP HERBS	GC/FT FINGER PRINT	PCB	REACTIVE CN	REACTIVE SULFIDE	CORROSIVITY	IGNITABILITY	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	N													
DRUM #5	6-26-12	11:15	G	Water	N	N	K														WARNING
DRUM #2	6-26-12	11:30	G	Water	N	N	K														
DRUM #4	6-26-12	11:45	G	Water	N	N	K														Potential
DRUM #1	6-26-12	110	G	Water	N	N	K														
DRUM #3	6-26-12	100	G	Water	N	N	K														DENAPL
PIT SLUDGE	6 26 12	100	G	~~Water~~ SLUDGE				X	X	X	X	X	X	X	X	X	X	X	X		
				Water																	PCE
				Water																	Run Total VOC's
				Water																	on Soil as well
				Water																	TOC 6-26-12
				Water																	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:		
Relinquished by:	Date/Time: 6/26/12 1440	Company AZIENA	Received by:	Date/Time: 6/26/12 1440	Company TA	
Relinquished by:	Date/Time: 6-26-12 1700	Company	Received by:	Date/Time: 6/27/12 0900	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9 #2

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-21862-1

Login Number: 21862

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-22570-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

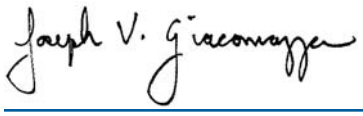
Joseph V. Giacomazza

Authorized for release by:
7/19/2012 11:34:38 AM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
7/19/2012 11:34:38 AM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-22570-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-22570-1

Receipt
The sample was received on 7/13/2012 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: #6 (480-22570-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Client Sample ID: #6
Date Collected: 07/11/12 12:35
Date Received: 07/13/12 09:00

Lab Sample ID: 480-22570-1
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		9800	2700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,1,2,2-Tetrachloroethane	ND		9800	1600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,1,2-Trichloroethane	ND		9800	2100	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9800	4900	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,1-Dichloroethane	ND		9800	3000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,1-Dichloroethene	ND		9800	3400	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2,4-Trichlorobenzene	ND		9800	3700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2-Dibromo-3-Chloropropane	ND		9800	4900	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2-Dibromoethane	ND		9800	370	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2-Dichlorobenzene	**580000**		9800	2500	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2-Dichloroethane	ND		9800	4000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,2-Dichloropropane	ND		9800	1600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,3-Dichlorobenzene	ND		9800	2600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
1,4-Dichlorobenzene	ND		9800	1400	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
2-Hexanone	ND		49000	20000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
2-Butanone (MEK)	ND		49000	29000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
4-Methyl-2-pentanone (MIBK)	ND		49000	3100	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Acetone	ND		49000	40000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Benzene	ND		9800	470	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Bromodichloromethane	ND		9800	2000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Bromoform	ND		9800	4900	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Bromomethane	ND		9800	2200	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Carbon disulfide	ND		9800	4500	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Carbon tetrachloride	ND		9800	2500	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Chlorobenzene	ND		9800	1300	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Dibromochloromethane	ND		9800	4800	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Chloroethane	ND		9800	2000	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Chloroform	ND		9800	6800	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Chloromethane	ND		9800	2300	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
cis-1,2-Dichloroethene	**72000**		9800	2700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
cis-1,3-Dichloropropene	ND		9800	2400	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Cyclohexane	ND		9800	2200	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Dichlorodifluoromethane	ND		9800	4300	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Ethylbenzene	ND		9800	2900	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Isopropylbenzene	**3900**	**J**	9800	1500	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Methyl acetate	ND		9800	4700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Methyl tert-butyl ether	ND		9800	3700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Methylcyclohexane	ND		9800	4600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Methylene Chloride	ND		9800	1900	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Styrene	ND		9800	2400	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Toluene	ND		9800	2600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
trans-1,2-Dichloroethene	ND		9800	2300	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
trans-1,3-Dichloropropene	ND		9800	470	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Trichloroethene	**720000**		9800	2700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Trichlorofluoromethane	ND		9800	4600	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Vinyl chloride	ND		9800	3300	ug/Kg		07/16/12 17:40	07/17/12 04:43	100
Xylenes, Total	**23000**		20000	1700	ug/Kg		07/16/12 17:40	07/17/12 04:43	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*07/16/12 17:40*	*07/17/12 04:43*	*100*
Toluene-d8 (Surr)	*95*		*50 - 149*	*07/16/12 17:40*	*07/17/12 04:43*	*100*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Client Sample ID: #6
Date Collected: 07/11/12 12:35
Date Received: 07/13/12 09:00

Lab Sample ID: 480-22570-1
Matrix: Waste

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		49 - 148	07/16/12 17:40	07/17/12 04:43	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	390000000		4900000	660000	ug/Kg		07/16/12 17:40	07/18/12 03:39	50000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		53 - 146	07/16/12 17:40	07/18/12 03:39	50000
Toluene-d8 (Surr)	112		50 - 149	07/16/12 17:40	07/18/12 03:39	50000
4-Bromofluorobenzene (Surr)	105		49 - 148	07/16/12 17:40	07/18/12 03:39	50000

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Client Sample ID: #6
Date Collected: 07/11/12 12:35
Date Received: 07/13/12 09:00

Lab Sample ID: 480-22570-1
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			72608	07/16/12 17:40	RL	TAL BUF
Total/NA	Analysis	8260B		100	72613	07/17/12 04:43	RL	TAL BUF
Total/NA	Prep	5035	DL		72608	07/16/12 17:40	RL	TAL BUF
Total/NA	Analysis	8260B	DL	50000	72780	07/18/12 03:39	ND	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-22570-1	#6	Waste	07/11/12 12:35	07/13/12 09:00

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Ralph Keating	Phone	Hoffman, Sally E-Mail: sally hoffman@testamericainc com		480-25568-6549.2 Page: Page 2 of 2
Company: New York State D.E C.				Job #
Address: 625 Broadway 11th Floor	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12233				
Phone	PO #: CallOut ID 120894			
Email: rxkeatin@gw.dec.state.ny.us	WO #			
Project Name: Former RKO Dry Cleaners #401065	Project #: 48005902			
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)	624_5ml - Priority Pollutant List - VOA - 624	8260B - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code.				A	N		
#6	7-11-12	12:35	G	Water	N	N	X		2	3 could be Product
				Water						
				Water						
				Water						
				Water						
				Solid						
				Solid						
MS				Solid						
MSD				Solid						
DUP				Solid						

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

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

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

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

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		7-12-12 12:35	Aztech		7/12/12 12:35	TAL
2		7/12/12 1700	TAL		7/13/12 0900	TAL
3		Date/Time	Company		Date/Time.	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No .

Cooler Temperature(s) °C and Other Remarks: 2.9 #3

Page 12 of 13

7/19/2012

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-22570-1

Login Number: 22570

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-22315-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

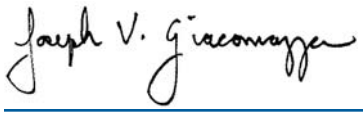
Joseph V. Giacomazza

Authorized for release by:
7/11/2012 8:35:14 AM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
7/11/2012 8:35:14 AM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

Qualifiers

GC/MS 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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-22315-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-22315-1

Receipt
The sample was received on 7/10/2012 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: DISPOSAL (480-22315-1). Elevated reporting limits (RLs) are provided.

Method 8260B: Due to the level of dilution required for the following sample, surrogate recoveries do not provide useful information: DISPOSAL (480-22315-1).

No other analytical or quality issues were noted.

Client Sample ID: DISPOSAL
Date Collected: 07/09/12 12:15
Date Received: 07/10/12 09:00

Lab Sample ID: 480-22315-1
Matrix: Solid
Percent Solids: 57.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		17000	4600	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,1,2,2-Tetrachloroethane	ND		17000	2700	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,1,2-Trichloroethane	ND		17000	3500	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17000	8300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,1-Dichloroethane	ND		17000	5100	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,1-Dichloroethene	ND		17000	5700	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2,4-Trichlorobenzene	ND		17000	6300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2-Dibromo-3-Chloropropane	ND		17000	8300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2-Dibromoethane	ND		17000	630	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2-Dichlorobenzene	ND		17000	4200	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2-Dichloroethane	ND		17000	6800	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,2-Dichloropropane	ND		17000	2700	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,3-Dichlorobenzene	ND		17000	4400	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
1,4-Dichlorobenzene	ND		17000	2300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
2-Hexanone	ND		83000	34000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
2-Butanone (MEK)	ND		83000	49000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
4-Methyl-2-pentanone (MIBK)	ND		83000	5300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Acetone	ND		83000	68000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Benzene	ND		17000	790	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Bromodichloromethane	ND		17000	3300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Bromoform	ND		17000	8300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Bromomethane	ND		17000	3600	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Carbon disulfide	ND		17000	7500	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Carbon tetrachloride	ND		17000	4200	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Chlorobenzene	ND		17000	2200	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Dibromochloromethane	ND		17000	8000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Chloroethane	ND		17000	3400	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Chloroform	ND		17000	11000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Chloromethane	ND		17000	3900	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
cis-1,2-Dichloroethene	**10000**	**J**	17000	4600	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
cis-1,3-Dichloropropene	ND		17000	4000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Cyclohexane	ND		17000	3700	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Dichlorodifluoromethane	ND		17000	7200	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Ethylbenzene	ND		17000	4800	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Isopropylbenzene	ND		17000	2500	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Methyl acetate	ND		17000	7900	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Methyl tert-butyl ether	ND		17000	6300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Methylcyclohexane	ND		17000	7700	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Methylene Chloride	ND		17000	3300	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Styrene	ND		17000	4000	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Tetrachloroethene	**790000**		17000	2200	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Toluene	ND		17000	4400	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
trans-1,2-Dichloroethene	ND		17000	3900	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
trans-1,3-Dichloropropene	ND		17000	790	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Trichloroethene	**26000**		17000	4600	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Trichlorofluoromethane	ND		17000	7800	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Vinyl chloride	ND		17000	5500	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100
Xylenes, Total	ND		33000	2800	ug/Kg	☼	07/10/12 10:52	07/10/12 15:40	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*944*	*X*	*53 - 146*	*07/10/12 10:52*	*07/10/12 15:40*	*100*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

Client Sample ID: DISPOSAL
Date Collected: 07/09/12 12:15
Date Received: 07/10/12 09:00

Lab Sample ID: 480-22315-1
Matrix: Solid
Percent Solids: 57.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	888	X	50 - 149	07/10/12 10:52	07/10/12 15:40	100
4-Bromofluorobenzene (Surr)	880	X	49 - 148	07/10/12 10:52	07/10/12 15:40	100

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

Client Sample ID: DISPOSAL
Date Collected: 07/09/12 12:15
Date Received: 07/10/12 09:00

Lab Sample ID: 480-22315-1
Matrix: Solid
Percent Solids: 57.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			71746	07/10/12 10:52	RJ	TAL BUF
Total/NA	Analysis	8260B		100	71761	07/10/12 15:40	RL	TAL BUF
Total/NA	Analysis	Moisture		1	71798	07/10/12 13:16	JMB	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22315-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-22315-1	DISPOSAL	Solid	07/09/12 12:15	07/10/12 09:00

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date:	COC No:
NYSDEC - Central Office / Aztech Technologies	Tel/Fax: (518) / (518) 885-5383	Lab Contact:	Carrier:	____ of ____ COCs
625 Broadway / 5 McCrea Hill Rd	Analysis Turnaround Time			Job No.
Albany, NY / Ballton Spa, NY	Calendar (C) or Work Days (W) ____			
(518) / (518) 885-5383	TAT if different from Below 24hr Rush			SDG No.
FAX	☐ 2 weeks			
Project Name: Former RKO Dry Cleaners - Dewatering	☐ 1 week			
Site: Site # 401065; Basement Dewatering Callout #120962	☐ 2 days			
	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	8260 Full List										Sample Specific Notes:
Disposal	7-9-12	12:15	GRAB	Solid	2	N	X										

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

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

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

Special Instructions/QC Requirements & Comments:

Please e-mail results to Randy Hoose (Rhoose@Aztechtech.com) and Ralph Keating (rxkeatin@gw.dec.state.ny.us)

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Aztech	7-9-12 2:50	[signature]	TAL	7/9/12 14:50
[signature]	TAL	7/9/12 1700	[signature]	BV	7-10-12 08

Form No. CA-C-WI-002, dated 04/07/2011

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-22315-1

Login Number: 22315

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-22611-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

Sally J Hoffman

Authorized for release by:
7/16/2012 1:40:22 PM

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.

Sally Hoffman
Project Manager II
7/16/2012 1:40:22 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-22611-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-22611-1

Receipt
The samples were received on 7/14/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): SB-1 (480-22611-1).

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: SB-1 (480-22611-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was analyzed medium level to bring the concentration of target analytes within the calibration range: SB-1 (480-22611-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Client Sample ID: SB-1
Date Collected: 07/13/12 14:45
Date Received: 07/14/12 09:00

Lab Sample ID: 480-22611-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			07/15/12 15:29	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/15/12 15:29	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/15/12 15:29	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/15/12 15:29	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/15/12 15:29	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/15/12 15:29	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			07/15/12 15:29	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/15/12 15:29	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/15/12 15:29	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			07/15/12 15:29	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/15/12 15:29	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/15/12 15:29	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			07/15/12 15:29	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			07/15/12 15:29	4
2-Hexanone	ND		20	5.0	ug/L			07/15/12 15:29	4
2-Butanone (MEK)	ND		40	5.3	ug/L			07/15/12 15:29	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/15/12 15:29	4
Acetone	ND		40	12	ug/L			07/15/12 15:29	4
Benzene	ND		4.0	1.6	ug/L			07/15/12 15:29	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/15/12 15:29	4
Bromoform	ND		4.0	1.0	ug/L			07/15/12 15:29	4
Bromomethane	ND		4.0	2.8	ug/L			07/15/12 15:29	4
Carbon disulfide	ND		4.0	0.76	ug/L			07/15/12 15:29	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/15/12 15:29	4
Chlorobenzene	ND		4.0	3.0	ug/L			07/15/12 15:29	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/15/12 15:29	4
Chloroethane	ND		4.0	1.3	ug/L			07/15/12 15:29	4
Chloroform	ND		4.0	1.4	ug/L			07/15/12 15:29	4
Chloromethane	ND		4.0	1.4	ug/L			07/15/12 15:29	4
cis-1,2-Dichloroethene	**150**		4.0	3.2	ug/L			07/15/12 15:29	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/15/12 15:29	4
Cyclohexane	ND		4.0	0.72	ug/L			07/15/12 15:29	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/15/12 15:29	4
Ethylbenzene	ND		4.0	3.0	ug/L			07/15/12 15:29	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/15/12 15:29	4
Methyl acetate	ND		4.0	2.0	ug/L			07/15/12 15:29	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/15/12 15:29	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/15/12 15:29	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/15/12 15:29	4
Styrene	ND		4.0	2.9	ug/L			07/15/12 15:29	4
Toluene	ND		4.0	2.0	ug/L			07/15/12 15:29	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/15/12 15:29	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/15/12 15:29	4
Trichloroethene	**200**		4.0	1.8	ug/L			07/15/12 15:29	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/15/12 15:29	4
Vinyl chloride	ND		4.0	3.6	ug/L			07/15/12 15:29	4
Xylenes, Total	ND		8.0	2.6	ug/L			07/15/12 15:29	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/15/12 15:29*	*4*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Client Sample ID: SB-1
Date Collected: 07/13/12 14:45
Date Received: 07/14/12 09:00

Lab Sample ID: 480-22611-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 137		07/15/12 15:29	4
Toluene-d8 (Surr)	85		71 - 126		07/15/12 15:29	4
4-Bromofluorobenzene (Surr)	90		73 - 120		07/15/12 15:29	4

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	4700		100	36	ug/L			07/16/12 05:50	100

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/16/12 05:50	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 137		07/16/12 05:50	100
Toluene-d8 (Surr)	83		71 - 126		07/16/12 05:50	100
4-Bromofluorobenzene (Surr)	88		73 - 120		07/16/12 05:50	100

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Client Sample ID: SB-1
Date Collected: 07/13/12 14:50
Date Received: 07/14/12 09:00

Lab Sample ID: 480-22611-2
Matrix: Solid
Percent Solids: 87.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	31	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,1,2-Trichloroethane	ND		110	24	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	56	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,1-Dichloroethane	ND		110	35	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,1-Dichloroethene	ND		110	39	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2,4-Trichlorobenzene	ND		110	43	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2-Dibromo-3-Chloropropane	ND		110	56	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2-Dibromoethane	ND		110	4.3	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2-Dichlorobenzene	ND		110	29	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2-Dichloroethane	ND		110	46	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,2-Dichloropropane	ND		110	18	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,3-Dichlorobenzene	ND		110	30	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
1,4-Dichlorobenzene	ND		110	16	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
2-Hexanone	ND		560	230	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
2-Butanone (MEK)	ND		560	330	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		560	36	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Acetone	ND		560	460	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Benzene	ND		110	5.4	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Bromodichloromethane	ND		110	22	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Bromoform	ND		110	56	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Bromomethane	ND		110	25	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Carbon disulfide	ND		110	51	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Carbon tetrachloride	ND		110	29	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Chlorobenzene	ND		110	15	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Dibromochloromethane	ND		110	54	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Chloroethane	ND		110	23	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Chloroform	ND		110	77	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Chloromethane	ND		110	27	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
cis-1,2-Dichloroethene	**60**	**J**	110	31	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
cis-1,3-Dichloropropene	ND		110	27	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Cyclohexane	ND		110	25	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Dichlorodifluoromethane	ND		110	49	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Ethylbenzene	ND		110	33	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Isopropylbenzene	ND		110	17	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Methyl acetate	ND		110	53	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Methyl tert-butyl ether	ND		110	42	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Methylcyclohexane	ND		110	53	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Methylene Chloride	ND		110	22	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Styrene	ND		110	27	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Tetrachloroethene	**6300**		110	15	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Toluene	ND		110	30	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
trans-1,2-Dichloroethene	ND		110	27	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
trans-1,3-Dichloropropene	ND		110	5.4	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Trichloroethene	**290**		110	31	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Trichlorofluoromethane	ND		110	53	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Vinyl chloride	ND		110	38	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1
Xylenes, Total	ND		220	19	ug/Kg	☼	07/15/12 12:34	07/15/12 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*53 - 146*	*07/15/12 12:34*	*07/15/12 15:06*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Client Sample ID: SB-1
Date Collected: 07/13/12 14:50
Date Received: 07/14/12 09:00

Lab Sample ID: 480-22611-2
Matrix: Solid
Percent Solids: 87.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		50 - 149	07/15/12 12:34	07/15/12 15:06	1
4-Bromofluorobenzene (Surr)	114		49 - 148	07/15/12 12:34	07/15/12 15:06	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Client Sample ID: SB-1

Lab Sample ID: 480-22611-1

Date Collected: 07/13/12 14:45

Matrix: Water

Date Received: 07/14/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	72418	07/15/12 15:29	CDC	TAL BUF
Total/NA	Analysis	8260B	DL	100	72440	07/16/12 05:50	JMB	TAL BUF

Client Sample ID: SB-1

Lab Sample ID: 480-22611-2

Date Collected: 07/13/12 14:50

Matrix: Solid

Date Received: 07/14/12 09:00

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			72434	07/15/12 12:34	ND	TAL BUF
Total/NA	Analysis	8260B		1	72428	07/15/12 15:06	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	72436	07/15/12 12:43	JMB	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-22611-1	SB-1	Water	07/13/12 14:45	07/14/12 09:00
480-22611-2	SB-1	Solid	07/13/12 14:50	07/14/12 09:00

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716 504 9852 fax 716 691 7991

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date:	COC No
NYSDEC - Central Office / Aztech Technologies	Tel/Fax: (518) / (518) 885-5383	Lab Contact:	Carrier:	____ of ____ COCs
625 Broadway / 5 McCrea Hill Rd	Analysis Turnaround Time			Job No.
Albany, NY / Ballton Spa, NY	Calendar (C) or Work Days (W)			
(518) / (518) 885-5383	TAT if different from Below 24 hr Rush			
FAX	☐ 2 weeks			SDG No
Project Name: Former RKO Dry Cleaners - Dewatering	☐ 1 week			
Site. Site # 401065, Basement Dewatering Callout #120962	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	8260 full list	Sample Specific Notes
SB-1	7-13-12	2:45	G	GW	3	N	X	
SB-1	7-13-12	2:50	G	Soil	3	N	X	

TDK 7-13-12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

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

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

Special Instructions/QC Requirements & Comments:

Please e-mail results to Randy Hoose (Rhoose@Aztechtech.com) and Ralph Keating (rxkeatin@gw.dec.state.ny.us)

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Aztech	7-13-12 1530	[signature]	TA	7-13-12 1530
[signature]	TA	7-13-12 1700	[signature]	TA BUFFALO	7/14/12 0900

1.7°C #3

Form No. CA-C-WI-002, dated 04/07/2011

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-22611-1

Login Number: 22611

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-23091-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

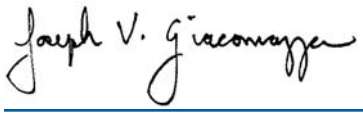
Joseph V. Giacomazza

Authorized for release by:
8/8/2012 1:33:36 PM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
8/8/2012 1:33:36 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Job ID: 480-23091-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-23091-1

Receipt
The samples were received on 7/26/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
No other analytical or quality issues were noted.

GC/MS Semi VOA
No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: SW-N-5
Date Collected: 07/24/12 12:15
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-1
Matrix: Solid
Percent Solids: 73.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.6	0.32	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Ethylbenzene	ND		6.6	0.45	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Toluene	ND		6.6	0.50	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
m-Xylene & p-Xylene	ND		13	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
o-Xylene	ND		6.6	0.86	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Isopropylbenzene	ND		6.6	0.99	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
N-Propylbenzene	ND		6.6	0.53	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
4-Isopropyltoluene	ND		6.6	0.53	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
1,2,4-Trimethylbenzene	ND		6.6	1.3	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
1,3,5-Trimethylbenzene	ND		6.6	0.42	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
n-Butylbenzene	ND		6.6	0.57	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
sec-Butylbenzene	ND		6.6	0.57	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Naphthalene	ND		6.6	0.88	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
Methyl tert-butyl ether	ND		6.6	0.65	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1
tert-Butylbenzene	ND		6.6	0.68	ug/Kg	☼	07/30/12 14:49	08/03/12 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*		*64 - 126*	*07/30/12 14:49*	*08/03/12 06:15*	*1*
Toluene-d8 (Surr)	*87*		*71 - 125*	*07/30/12 14:49*	*08/03/12 06:15*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 126*	*07/30/12 14:49*	*08/03/12 06:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		230	2.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Acenaphthylene	ND		230	1.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Anthracene	ND		230	5.8	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Benzo(a)anthracene	ND		230	3.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Benzo(a)pyrene	ND		230	5.5	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Benzo(b)fluoranthene	ND		230	4.4	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Benzo(g,h,i)perylene	ND		230	2.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Benzo(k)fluoranthene	ND		230	2.5	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Chrysene	ND		230	2.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Dibenz(a,h)anthracene	ND		230	2.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Fluoranthene	ND		230	3.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Fluorene	ND		230	5.2	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Indeno(1,2,3-cd)pyrene	ND		230	6.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Naphthalene	ND		230	3.8	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Phenanthrene	ND		230	4.8	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1
Pyrene	ND		230	1.5	ug/Kg	☼	07/31/12 10:54	08/01/12 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*39 - 146*	*07/31/12 10:54*	*08/01/12 13:10*	*1*
2-Fluorophenol	*79*		*18 - 120*	*07/31/12 10:54*	*08/01/12 13:10*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*07/31/12 10:54*	*08/01/12 13:10*	*1*
Phenol-d5	*86*		*11 - 120*	*07/31/12 10:54*	*08/01/12 13:10*	*1*
p-Terphenyl-d14	*109*		*65 - 153*	*07/31/12 10:54*	*08/01/12 13:10*	*1*
Nitrobenzene-d5	*94*		*34 - 132*	*07/31/12 10:54*	*08/01/12 13:10*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: SW-E-5
Date Collected: 07/24/12 12:25
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-2
Matrix: Solid
Percent Solids: 71.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.6	0.32	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Ethylbenzene	ND		6.6	0.46	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Toluene	ND		6.6	0.50	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
m-Xylene & p-Xylene	ND		13	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
o-Xylene	ND		6.6	0.86	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Isopropylbenzene	ND		6.6	1.0	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
N-Propylbenzene	ND		6.6	0.53	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
4-Isopropyltoluene	ND		6.6	0.53	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
1,2,4-Trimethylbenzene	ND		6.6	1.3	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
1,3,5-Trimethylbenzene	ND		6.6	0.43	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
n-Butylbenzene	ND		6.6	0.58	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
sec-Butylbenzene	ND		6.6	0.58	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Naphthalene	ND		6.6	0.89	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
Methyl tert-butyl ether	ND		6.6	0.65	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1
tert-Butylbenzene	ND		6.6	0.69	ug/Kg	☼	07/30/12 14:49	08/03/12 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*		*64 - 126*	*07/30/12 14:49*	*08/03/12 06:41*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*07/30/12 14:49*	*08/03/12 06:41*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 126*	*07/30/12 14:49*	*08/03/12 06:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		230	2.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Acenaphthylene	ND		230	1.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Anthracene	ND		230	6.0	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Benzo(a)anthracene	ND		230	4.0	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Benzo(a)pyrene	ND		230	5.6	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Benzo(b)fluoranthene	ND		230	4.5	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Benzo(g,h,i)perylene	ND		230	2.8	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Benzo(k)fluoranthene	ND		230	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Chrysene	ND		230	2.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Dibenz(a,h)anthracene	ND		230	2.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Fluoranthene	ND		230	3.4	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Fluorene	ND		230	5.4	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Indeno(1,2,3-cd)pyrene	ND		230	6.4	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Naphthalene	ND		230	3.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Phenanthrene	ND		230	4.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1
Pyrene	ND		230	1.5	ug/Kg	☼	07/31/12 10:54	08/01/12 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*39 - 146*	*07/31/12 10:54*	*08/01/12 13:33*	*1*
2-Fluorophenol	*75*		*18 - 120*	*07/31/12 10:54*	*08/01/12 13:33*	*1*
2-Fluorobiphenyl	*88*		*37 - 120*	*07/31/12 10:54*	*08/01/12 13:33*	*1*
Phenol-d5	*85*		*11 - 120*	*07/31/12 10:54*	*08/01/12 13:33*	*1*
p-Terphenyl-d14	*105*		*65 - 153*	*07/31/12 10:54*	*08/01/12 13:33*	*1*
Nitrobenzene-d5	*96*		*34 - 132*	*07/31/12 10:54*	*08/01/12 13:33*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: SW-S-5
Date Collected: 07/24/12 12:45
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-3
Matrix: Solid
Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.7	0.28	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Ethylbenzene	ND		5.7	0.40	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Toluene	ND		5.7	0.43	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
m-Xylene & p-Xylene	ND		11	0.96	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
o-Xylene	ND		5.7	0.75	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Xylenes, Total	ND		11	0.96	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Isopropylbenzene	ND		5.7	0.86	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
N-Propylbenzene	ND		5.7	0.46	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
4-Isopropyltoluene	ND		5.7	0.46	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
1,2,4-Trimethylbenzene	ND		5.7	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
1,3,5-Trimethylbenzene	ND		5.7	0.37	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
n-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
sec-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Naphthalene	ND		5.7	0.77	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1
tert-Butylbenzene	ND		5.7	0.60	ug/Kg	☼	07/30/12 14:49	08/03/12 07:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*64 - 126*	*07/30/12 14:49*	*08/03/12 07:06*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*07/30/12 14:49*	*08/03/12 07:06*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 126*	*07/30/12 14:49*	*08/03/12 07:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	2.2	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Acenaphthylene	ND		190	1.6	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Anthracene	ND		190	4.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Benzo(a)anthracene	ND		190	3.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Benzo(a)pyrene	ND		190	4.6	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Benzo(b)fluoranthene	ND		190	3.7	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Benzo(g,h,i)perylene	ND		190	2.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Benzo(k)fluoranthene	ND		190	2.1	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Chrysene	ND		190	1.9	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Dibenz(a,h)anthracene	ND		190	2.2	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Fluoranthene	ND		190	2.8	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Fluorene	ND		190	4.4	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Indeno(1,2,3-cd)pyrene	ND		190	5.3	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Naphthalene	ND		190	3.2	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Phenanthrene	ND		190	4.0	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1
Pyrene	ND		190	1.2	ug/Kg	☼	07/31/12 10:54	08/01/12 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - 146*	*07/31/12 10:54*	*08/01/12 13:56*	*1*
2-Fluorophenol	*72*		*18 - 120*	*07/31/12 10:54*	*08/01/12 13:56*	*1*
2-Fluorobiphenyl	*80*		*37 - 120*	*07/31/12 10:54*	*08/01/12 13:56*	*1*
Phenol-d5	*81*		*11 - 120*	*07/31/12 10:54*	*08/01/12 13:56*	*1*
p-Terphenyl-d14	*105*		*65 - 153*	*07/31/12 10:54*	*08/01/12 13:56*	*1*
Nitrobenzene-d5	*87*		*34 - 132*	*07/31/12 10:54*	*08/01/12 13:56*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: SW-W-5
Date Collected: 07/24/12 12:35
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-4
Matrix: Solid
Percent Solids: 65.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		7.6	0.37	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Ethylbenzene	ND		7.6	0.53	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Toluene	ND		7.6	0.58	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
m-Xylene & p-Xylene	ND		15	1.3	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
o-Xylene	ND		7.6	1.0	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Xylenes, Total	ND		15	1.3	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Isopropylbenzene	ND		7.6	1.1	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
N-Propylbenzene	ND		7.6	0.61	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
4-Isopropyltoluene	ND		7.6	0.61	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
1,2,4-Trimethylbenzene	ND		7.6	1.5	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
1,3,5-Trimethylbenzene	ND		7.6	0.49	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
n-Butylbenzene	ND		7.6	0.66	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
sec-Butylbenzene	ND		7.6	0.66	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Naphthalene	ND		7.6	1.0	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
Methyl tert-butyl ether	ND		7.6	0.75	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1
tert-Butylbenzene	ND		7.6	0.79	ug/Kg	☼	08/06/12 17:58	08/06/12 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*	*08/06/12 17:58*	*08/06/12 21:16*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*08/06/12 17:58*	*08/06/12 21:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*08/06/12 17:58*	*08/06/12 21:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		260	3.0	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Acenaphthylene	ND		260	2.1	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Anthracene	ND		260	6.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Benzo(a)anthracene	ND		260	4.4	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Benzo(a)pyrene	ND		260	6.2	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Benzo(b)fluoranthene	ND		260	5.0	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Benzo(g,h,i)perylene	ND		260	3.1	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Benzo(k)fluoranthene	ND		260	2.8	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Chrysene	ND		260	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Dibenz(a,h)anthracene	ND		260	3.0	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Fluoranthene	ND		260	3.7	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Fluorene	ND		260	5.9	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Indeno(1,2,3-cd)pyrene	ND		260	7.1	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Naphthalene	ND		260	4.3	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Phenanthrene	ND		260	5.4	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1
Pyrene	ND		260	1.7	ug/Kg	☼	07/31/12 10:54	08/01/12 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*39 - 146*	*07/31/12 10:54*	*08/01/12 14:20*	*1*
2-Fluorophenol	*74*		*18 - 120*	*07/31/12 10:54*	*08/01/12 14:20*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*07/31/12 10:54*	*08/01/12 14:20*	*1*
Phenol-d5	*81*		*11 - 120*	*07/31/12 10:54*	*08/01/12 14:20*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*07/31/12 10:54*	*08/01/12 14:20*	*1*
Nitrobenzene-d5	*88*		*34 - 132*	*07/31/12 10:54*	*08/01/12 14:20*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: BOTTOM-7
Date Collected: 07/24/12 12:55
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-5
Matrix: Solid
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.2	0.45	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,1,2,2-Tetrachloroethane	ND	*	1.2	1.0	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,1,2-Trichloroethane	ND		1.2	0.80	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.4	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,1-Dichloroethane	ND		1.2	0.75	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,1-Dichloroethene	ND		1.2	0.75	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2,4-Trichlorobenzene	ND		1.2	0.37	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2-Dibromo-3-Chloropropane	ND		1.2	3.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2-Dibromoethane	ND		1.2	0.79	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2-Dichlorobenzene	ND		1.2	0.48	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2-Dichloroethane	ND		1.2	0.31	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,2-Dichloropropane	ND		1.2	3.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,3-Dichlorobenzene	ND		1.2	0.32	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
1,4-Dichlorobenzene	ND		1.2	0.86	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
2-Hexanone	ND		31	3.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
2-Butanone (MEK)	ND		31	2.2	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Acetone	ND		31	5.2	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Benzene	ND		1.2	0.30	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Bromodichloromethane	ND		1.2	0.82	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Bromoform	ND		1.2	3.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Bromomethane	ND		1.2	0.55	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Carbon disulfide	ND	*	6.1	3.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Carbon tetrachloride	ND		1.2	0.59	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Chlorobenzene	ND		1.2	0.81	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Dibromochloromethane	ND		1.2	0.79	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Chloroethane	ND		1.2	1.4	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Chloroform	ND		1.2	0.38	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Chloromethane	ND		1.2	0.37	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
cis-1,2-Dichloroethene	ND		1.2	0.79	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
cis-1,3-Dichloropropene	ND		1.2	0.88	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Cyclohexane	ND		6.1	0.86	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Dichlorodifluoromethane	ND		1.2	0.51	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Ethylbenzene	ND		1.2	0.42	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Isopropylbenzene	ND		1.2	0.93	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Methyl tert-butyl ether	ND		1.2	0.60	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Methylcyclohexane	ND		6.1	0.93	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Methylene Chloride	ND		1.2	2.8	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Styrene	ND		1.2	0.31	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Tetrachloroethene	**33**		1.2	0.82	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Toluene	ND		1.2	0.46	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
trans-1,2-Dichloroethene	ND		1.2	0.63	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
trans-1,3-Dichloropropene	ND		1.2	2.7	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Trichloroethene	ND		1.2	1.4	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Trichlorofluoromethane	ND		1.2	0.58	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Vinyl chloride	ND		1.2	0.75	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1
Xylenes, Total	ND		2.5	1.0	ug/Kg	☼	07/30/12 14:49	08/03/12 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*64 - 126*	*07/30/12 14:49*	*08/03/12 07:57*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: BOTTOM-7
Date Collected: 07/24/12 12:55
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-5
Matrix: Solid
Percent Solids: 76.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*86*		*71 - 125*	*07/30/12 14:49*	*08/03/12 07:57*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 126*	*07/30/12 14:49*	*08/03/12 07:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		220	14	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
bis (2-chloroisopropyl) ether	ND		220	23	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4,5-Trichlorophenol	ND		220	47	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4,6-Trichlorophenol	ND		220	14	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4-Dichlorophenol	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4-Dimethylphenol	ND		220	59	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4-Dinitrophenol	ND		420	76	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,4-Dinitrotoluene	ND		220	34	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2,6-Dinitrotoluene	ND		220	53	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Chloronaphthalene	ND		220	15	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Chlorophenol	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Methylnaphthalene	ND		220	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Methylphenol	ND		220	6.7	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Nitroaniline	ND		420	70	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
2-Nitrophenol	ND		220	9.9	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
3,3'-Dichlorobenzidine	ND		220	190	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
3-Nitroaniline	ND		420	50	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4,6-Dinitro-2-methylphenol	ND		420	75	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Bromophenyl phenyl ether	ND		220	69	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Chloro-3-methylphenol	ND		220	8.9	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Chloroaniline	ND		220	64	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Chlorophenyl phenyl ether	ND		220	4.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Methylphenol	ND		420	12	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Nitroaniline	ND		420	24	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
4-Nitrophenol	ND		420	53	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Acenaphthene	ND		220	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Acenaphthylene	ND		220	1.8	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Acetophenone	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Anthracene	ND		220	5.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Atrazine	ND		220	9.7	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzaldehyde	ND		220	24	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzo(a)anthracene	ND		220	3.8	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzo(a)pyrene	ND		220	5.2	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzo(b)fluoranthene	ND		220	4.2	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzo(g,h,i)perylene	ND		220	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Benzo(k)fluoranthene	ND		220	2.4	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Bis(2-chloroethoxy)methane	ND		220	12	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Bis(2-chloroethyl)ether	ND		220	19	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Bis(2-ethylhexyl) phthalate	ND		220	70	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Butyl benzyl phthalate	ND		220	58	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Caprolactam	ND		220	94	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Carbazole	ND		220	2.5	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Chrysene	ND		220	2.2	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Di-n-butyl phthalate	ND		220	75	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Di-n-octyl phthalate	ND		220	5.1	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Dibenz(a,h)anthracene	ND		220	2.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: BOTTOM-7
Date Collected: 07/24/12 12:55
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-5
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		220	2.3	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Diethyl phthalate	ND		220	6.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Dimethyl phthalate	ND		220	5.7	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Fluoranthene	ND		220	3.1	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Fluorene	ND		220	5.0	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Hexachlorobenzene	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Hexachlorobutadiene	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Hexachlorocyclopentadiene	ND		220	66	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Hexachloroethane	ND		220	17	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Indeno(1,2,3-cd)pyrene	ND		220	6.0	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Isophorone	ND		220	11	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
N-Nitrosodi-n-propylamine	ND		220	17	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
N-Nitrosodiphenylamine	ND		220	12	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Naphthalene	ND		220	3.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Nitrobenzene	ND		220	9.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Pentachlorophenol	ND		420	75	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Phenanthrene	ND		220	4.6	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Phenol	ND		220	23	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1
Pyrene	ND		220	1.4	ug/Kg	☼	07/31/12 10:54	08/01/12 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*39 - 146*	*07/31/12 10:54*	*08/01/12 14:43*	*1*
2-Fluorobiphenyl	*88*		*37 - 120*	*07/31/12 10:54*	*08/01/12 14:43*	*1*
2-Fluorophenol	*72*		*18 - 120*	*07/31/12 10:54*	*08/01/12 14:43*	*1*
Nitrobenzene-d5	*91*		*34 - 132*	*07/31/12 10:54*	*08/01/12 14:43*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*07/31/12 10:54*	*08/01/12 14:43*	*1*
Phenol-d5	*83*		*11 - 120*	*07/31/12 10:54*	*08/01/12 14:43*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: SW-N-5

Lab Sample ID: 480-23091-1
Date Collected: 07/24/12 12:15
Matrix: Solid
Date Received: 07/26/12 09:00
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			74418	07/30/12 14:49	JMB	TAL BUF
Total/NA	Analysis	8260B		1	74955	08/03/12 06:15	JMB	TAL BUF
Total/NA	Prep	3550B			74549	07/31/12 10:54	CM	TAL BUF
Total/NA	Analysis	8270C		1	74712	08/01/12 13:10	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	74225	07/27/12 14:16	ZLR	TAL BUF

Client Sample ID: SW-E-5

Lab Sample ID: 480-23091-2
Date Collected: 07/24/12 12:25
Matrix: Solid
Date Received: 07/26/12 09:00
Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			74418	07/30/12 14:49	JMB	TAL BUF
Total/NA	Analysis	8260B		1	74955	08/03/12 06:41	JMB	TAL BUF
Total/NA	Prep	3550B			74549	07/31/12 10:54	CM	TAL BUF
Total/NA	Analysis	8270C		1	74712	08/01/12 13:33	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	74225	07/27/12 14:16	ZLR	TAL BUF

Client Sample ID: SW-S-5

Lab Sample ID: 480-23091-3
Date Collected: 07/24/12 12:45
Matrix: Solid
Date Received: 07/26/12 09:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			74418	07/30/12 14:49	JMB	TAL BUF
Total/NA	Analysis	8260B		1	74955	08/03/12 07:06	JMB	TAL BUF
Total/NA	Prep	3550B			74549	07/31/12 10:54	CM	TAL BUF
Total/NA	Analysis	8270C		1	74712	08/01/12 13:56	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	74225	07/27/12 14:16	ZLR	TAL BUF

Client Sample ID: SW-W-5

Lab Sample ID: 480-23091-4
Date Collected: 07/24/12 12:35
Matrix: Solid
Date Received: 07/26/12 09:00
Percent Solids: 65.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75376	08/06/12 17:58	RJ	TAL BUF
Total/NA	Analysis	8260B		1	75363	08/06/12 21:16	RJ	TAL BUF
Total/NA	Prep	3550B			74549	07/31/12 10:54	CM	TAL BUF
Total/NA	Analysis	8270C		1	74712	08/01/12 14:20	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	74225	07/27/12 14:16	ZLR	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Client Sample ID: BOTTOM-7
Date Collected: 07/24/12 12:55
Date Received: 07/26/12 09:00

Lab Sample ID: 480-23091-5
Matrix: Solid
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			74418	07/30/12 14:49	JMB	TAL BUF
Total/NA	Analysis	8260B		1	74955	08/03/12 07:57	JMB	TAL BUF
Total/NA	Prep	3550B			74549	07/31/12 10:54	CM	TAL BUF
Total/NA	Analysis	8270C		1	74712	08/01/12 14:43	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	74225	07/27/12 14:16	ZLR	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-23091-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-23091-1	SW-N-5	Solid	07/24/12 12:15	07/26/12 09:00
480-23091-2	SW-E-5	Solid	07/24/12 12:25	07/26/12 09:00
480-23091-3	SW-S-5	Solid	07/24/12 12:45	07/26/12 09:00
480-23091-4	SW-W-5	Solid	07/24/12 12:35	07/26/12 09:00
480-23091-5	BOTTOM-7	Solid	07/24/12 12:55	07/26/12 09:00

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: R.Hoose	Site Contact: R.Hoose	Date:7.24.12	COC No: 001
Mr. Ralph Keating - NYSDEC Central Office	Tel/Fax:518.885.5383	Lab Contact:t.Knollmeyer	Carrier:	1 of 1 COCs
625 Broadway,	Analysis Turnaround Time			Job No.
Albany NY	Calendar (C) or Work Days (W) - Standard			
518.402.9767	TAT if different from Below - Standard			SDG No.
FAX	2 weeks			
Project Name: Former RKO Cleaners	1 week			
Site: RKO Cleaners Ontario and Washington, Albany NY	2 days			
P O # 401065	1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.		8260 STARS	8270 STARS	8260 Full List	8270 Full List	Sample Specific Notes.
SW-N-5'	7 24.2012	1215	Grab	Soil	2	N	X	X	-	-	
SW-E-5'	7.24.2012	1225	Grab	Soil	2	N	X	X	-	-	
SW-S-5'	7 24.2012	1245	Grab	Soil	2	N	X	X	-	-	
SW-W-5'	7.24.2012	1235	Grab	Soil	2	N	X	X	-	-	
Bottom - 7'	7 24.2012	1255	Grab	Soil	2	N	-	-	X	X	

Nothing Follows

TBTB

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____ ____ ____

Possible Hazard Identification

Non-Hazard *Flammable* *Skin Irritant* *Poison B* *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client *Disposal By Lab* *Archive For* ____ ____ ____ *Months*

Special Instructions/QC Requirements & Comments:

e results to (rhoose@aztechtech.com) and Ralph Keating (rxkeating@gw.dec.state.ny.us) of NYSDEC
Randy Hoose @ aztech

Relinquished by	Company:	Date/Time	Received by:	Company	Date/Time:
	Aztech tech	7-24-12 1030		TA	7-24-12 1030
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	7-24-12 1700			7/26/12 0900
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

23 #2

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-23091-1

Login Number: 23091

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-22979-2
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

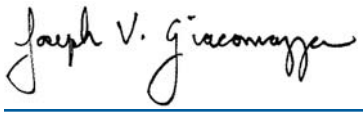
Joseph V. Giacomazza

Authorized for release by:
8/23/2012 2:06:24 PM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
8/23/2012 2:06:25 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-22979-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-22979-2

Receipt
The sample was received on 7/24/2012 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260B: The method blank for batch 76965 contained 2-Hexanone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: The following sample was analyzed at a 1.0 gram dilution to bring the concentration of target analytes within the calibration range: CARBON UNITS (480-22979-1). Elevated reporting limits (RLs) are provided.

Method 8260B: The following sample was analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired CARBON UNITS (480-22979-1).

No other analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Client Sample ID: CARBON UNITS
Date Collected: 07/23/12 11:00
Date Received: 07/24/12 09:00

Lab Sample ID: 480-22979-1
Matrix: Solid
Percent Solids: 79.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	6.5	2.4	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,1,2,2-Tetrachloroethane	ND	H	6.5	5.3	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,1,2-Trichloroethane	ND	H	6.5	4.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	33	7.4	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,1-Dichloroethane	ND	H	6.5	4.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,1-Dichloroethene	ND	H	6.5	4.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2,4-Trichlorobenzene	ND	H	6.5	2.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2-Dibromo-3-Chloropropane	ND	H	6.5	16	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2-Dibromoethane	ND	H	6.5	4.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2-Dichlorobenzene	ND	H	6.5	2.5	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2-Dichloroethane	ND	H	6.5	1.6	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,2-Dichloropropane	ND	H	6.5	16	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,3-Dichlorobenzene	ND	H	6.5	1.7	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
1,4-Dichlorobenzene	ND	H	6.5	4.6	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
2-Hexanone	ND	H	160	16	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
2-Butanone (MEK)	ND	H	160	12	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
4-Methyl-2-pentanone (MIBK)	ND	H	160	11	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Acetone	ND	H	160	27	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Benzene	ND	H	6.5	1.6	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Bromodichloromethane	ND	H	6.5	4.4	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Bromoform	ND	H	6.5	16	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Bromomethane	ND	H	6.5	2.9	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Carbon disulfide	ND	H	33	16	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Carbon tetrachloride	ND	H	6.5	3.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Chlorobenzene	ND	H	6.5	4.3	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Dibromochloromethane	ND	H	6.5	4.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Chloroethane	ND	H	6.5	7.4	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Chloroform	ND	H	6.5	2.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Chloromethane	ND	H	6.5	2.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
cis-1,2-Dichloroethene	**120**	**H**	6.5	4.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
cis-1,3-Dichloropropene	ND	H	6.5	4.7	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Cyclohexane	ND	H	33	4.6	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Dichlorodifluoromethane	ND	H	6.5	2.7	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Ethylbenzene	**2.7**	**J H**	6.5	2.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Isopropylbenzene	ND	H	6.5	4.9	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Methyl acetate	ND	H	33	6.1	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Methyl tert-butyl ether	ND	H	6.5	3.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Methylcyclohexane	ND	H	33	5.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Methylene Chloride	ND	H	6.5	15	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Styrene	ND	H	6.5	1.6	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Toluene	ND	H	6.5	2.5	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
trans-1,2-Dichloroethene	ND	H	6.5	3.4	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
trans-1,3-Dichloropropene	ND	H	6.5	14	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Trichloroethene	**50**	**H**	6.5	7.2	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Trichlorofluoromethane	ND	H	6.5	3.1	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Vinyl chloride	ND	H	6.5	4.0	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1
Xylenes, Total	**16**	**H**	13	5.5	ug/Kg	☼	08/15/12 15:52	08/17/12 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 126*	*08/15/12 15:52*	*08/17/12 01:39*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*08/15/12 15:52*	*08/17/12 01:39*	*1*

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Client Sample ID: CARBON UNITS
Date Collected: 07/23/12 11:00
Date Received: 07/24/12 09:00

Lab Sample ID: 480-22979-1
Matrix: Solid
Percent Solids: 79.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*08/15/12 15:52*	*08/17/12 01:39*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	220000	H	2500	330	ug/Kg	☼	08/21/12 18:15	08/22/12 12:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*74*		*53 - 146*	*08/21/12 18:15*	*08/22/12 12:51*	*20*
Toluene-d8 (Surr)	*45*	*X*	*50 - 149*	*08/21/12 18:15*	*08/22/12 12:51*	*20*
4-Bromofluorobenzene (Surr)	*42*	*X*	*49 - 148*	*08/21/12 18:15*	*08/22/12 12:51*	*20*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Client Sample ID: CARBON UNITS
Date Collected: 07/23/12 11:00
Date Received: 07/24/12 09:00

Lab Sample ID: 480-22979-1
Matrix: Solid
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76644	08/15/12 15:52	JMB	TAL BUF
Total/NA	Analysis	8260B		1	76965	08/17/12 01:39	CDC	TAL BUF
Total/NA	Prep	5035	DL		77562	08/21/12 18:15	RL	TAL BUF
Total/NA	Analysis	8260B	DL	20	77652	08/22/12 12:51	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76836	08/16/12 09:31	ZLR	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-22979-1	CARBON UNITS	Solid	07/23/12 11:00	07/24/12 09:00

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716 504 9852 fax 716 691 7991

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date: 7/23/12	COC No
NYSDEC - Central Office / Aztech Technologies	Tel/Fax: (518) 402-9767 / (518) 885-5383	Lab Contact:	Carrier:	____ of ____ COCs
625 Broadway / 5 McCrea Hill Rd	Analysis Turnaround Time			Job No
Albany, NY / Ballton Spa, NY	Calendar (C) or Work Days (W) ____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below 24 5 H			SDG No.
FAX	☐ 2 weeks			
Project Name: Former RKO Dry Cleaners - Dewatering	☐ 1 week			
Site. Site # 401065; Basement Dewatering Callout #120962	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total VOCs via 8260	Full TCLP for Haz Waste Char							Sample Specific Notes
Carbon Units	7/23/12	1100	Comp	Liquid	3		X	X							TCLP VOA, Semi-VOA, Metals, Pesticides/Herbicides, PCB, Reactive Sulfide & Cyanide, Corrosivity, Ignitability
			TAT												

7-23-12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

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

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

Special Instructions/QC Requirements & Comments:

Please e-mail results to Randy Hoose (Rhoose@Aztechtech.com) and Ralph Keating (rxkeatin@gw.dec.state.ny.us)

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	AZTECH	7/23/12/1330	Tim Kneller	TA	7-23-12 1350
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Tim Kneller	TA	7-23-12 1700			7/24/12 0900
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Form No. CA-C-WI-002, dated 04/07/2011

28 #3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-22979-2

Login Number: 22979

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-22979-1
Client Project/Site: Former RKO Dry Cleaners #401065

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233

Attn: Mr. Ralph X Keating

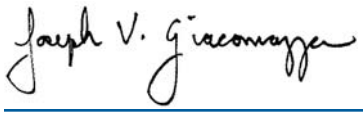
Joseph V. Giacomazza

Authorized for release by:
7/31/2012 3:38:06 PM
Joe Giacomazza
Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
7/31/2012 3:38:06 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

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.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 480-22979-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-22979-1

Receipt
The sample was received on 7/24/2012 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260B: The following samples were diluted due to the nature of the TCLP matrix: (LB 480-73872/1-A), CARBON UNITS (480-22979-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

Client Sample ID: CARBON UNITS
Date Collected: 07/23/12 11:00
Date Received: 07/24/12 09:00

Lab Sample ID: 480-22979-1
Matrix: Solid

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			07/28/12 05:07	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			07/28/12 05:07	10
Chlorobenzene	ND		0.010	0.0075	mg/L			07/28/12 05:07	10
Chloroform	ND		0.010	0.0034	mg/L			07/28/12 05:07	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			07/28/12 05:07	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			07/28/12 05:07	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			07/28/12 05:07	10
Tetrachloroethene	**0.091**		0.010	0.0036	mg/L			07/28/12 05:07	10
Trichloroethene	**0.0058**	**J**	0.010	0.0046	mg/L			07/28/12 05:07	10
Vinyl chloride	ND		0.010	0.0090	mg/L			07/28/12 05:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*07/28/12 05:07*	*10*
Toluene-d8 (Surr)	*92*		*71 - 126*		*07/28/12 05:07*	*10*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*07/28/12 05:07*	*10*

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/28/12 07:32	07/30/12 19:21	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/28/12 07:32	07/30/12 19:21	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/28/12 07:32	07/30/12 19:21	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/28/12 07:32	07/30/12 19:21	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/28/12 07:32	07/30/12 19:21	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/28/12 07:32	07/30/12 19:21	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/28/12 07:32	07/30/12 19:21	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/28/12 07:32	07/30/12 19:21	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/28/12 07:32	07/30/12 19:21	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/28/12 07:32	07/30/12 19:21	1
Pyridine	ND		0.025	0.00041	mg/L		07/28/12 07:32	07/30/12 19:21	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/28/12 07:32	07/30/12 19:21	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/28/12 07:32	07/30/12 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*52 - 132*	*07/28/12 07:32*	*07/30/12 19:21*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*07/28/12 07:32*	*07/30/12 19:21*	*1*
2-Fluorophenol	*35*		*20 - 120*	*07/28/12 07:32*	*07/30/12 19:21*	*1*
Nitrobenzene-d5	*71*		*46 - 120*	*07/28/12 07:32*	*07/30/12 19:21*	*1*
p-Terphenyl-d14	*112*		*67 - 150*	*07/28/12 07:32*	*07/30/12 19:21*	*1*
Phenol-d5	*28*		*16 - 120*	*07/28/12 07:32*	*07/30/12 19:21*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

Client Sample ID: CARBON UNITS
Date Collected: 07/23/12 11:00
Date Received: 07/24/12 09:00

Lab Sample ID: 480-22979-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			73872	07/25/12 16:02	MRB	TAL BUF
TCLP	Analysis	8260B		10	74256	07/28/12 05:07	LH	TAL BUF
TCLP	Leach	1311			74028	07/26/12 14:54	MRB	TAL BUF
TCLP	Prep	3510C			74291	07/28/12 07:32	MRB	TAL BUF
TCLP	Analysis	8270C		1	74377	07/30/12 19:21	RMM	TAL BUF
Total/NA	Analysis	Moisture		1	73806	07/25/12 11:27	ZLR	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: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-12
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Method Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

Method	Method Description	Protocol	Laboratory
8260B	TCLP Volatiles	SW846	TAL BUF
8270C	TCLP Semivolatiles	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Former RKO Dry Cleaners #401065

TestAmerica Job ID: 480-22979-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-22979-1	CARBON UNITS	Solid	07/23/12 11:00	07/24/12 09:00

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716 504 9852 fax 716 691 7991

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date: 7/23/12	COC No
NYSDEC - Central Office / Aztech Technologies	Tel/Fax: (518) 402-9767 / (518) 885-5383	Lab Contact:	Carrier:	____ of ____ COCs
625 Broadway / 5 McCrea Hill Rd	Analysis Turnaround Time			Job No
Albany, NY / Ballton Spa, NY	Calendar (C) or Work Days (W) ____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below 24 5 H			SDG No.
FAX	☐ 2 weeks			
Project Name: Former RKO Dry Cleaners - Dewatering	☐ 1 week			
Site. Site # 401065; Basement Dewatering Callout #120962	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total VOCs via 8260	Full TCLP for Haz Waste Char							Sample Specific Notes
Carbon Units	7/23/12	1100	Comp	Soil	3		X	X							TCLP VOA, Semi-VOA, Metals, Pesticides/Herbicides, PCB, Reactive Sulfide & Cyanide, Corrosivity, Ignitability

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

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

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

Special Instructions/QC Requirements & Comments:

Please e-mail results to Randy Hoose (Rhoose@Aztechtech.com) and Ralph Keating (rxkeatin@gw.dec.state.ny.us)

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Aztech	7/23/12/1330		TA	7-23-12 1350
Relinquished by Tim Kneller	Company TA	Date/Time 7-23-12 1700	Received by	Company	Date/Time 7/24/12 0900
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Form No. CA-C-WI-002, dated 04/07/2011

28 #3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-22979-1

Login Number: 22979

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

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