Aztech Technologies, Inc.

Site Characterization Report

for the

Former RKO Dry Cleaners

566 Washington Avenue
Albany, Albany County, New York

NYSDEC Site No. 401065
NYSDEC Callout No. 120963

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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 call out (Callout No. 120963) to Aztech Technologies, Inc. (Aztech) for conducting a site characterization of the former RKO Dry Cleaners located at 566 Washington Avenue in the City of Albany, Albany County, New York (**Figure 1 –** the Site). The main focus of the site characterization was to determine if chlorinated volatile organic compounds associated with a former dry cleaning operation at the site had been released to nearby soil, soil vapor and/or groundwater. Several of the site characterization activities reported herein were conducted concurrent with and subsequent to interim remedial measures conducted under NYSDEC Callout No. 120962. Interim remedial measures conducted under that callout are described in the October 30, 2012 Interim Remedial Measures Report for the Former RKO Dry Cleaners prepared by Aztech.

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 building's footprint. The structure had been vacant for approximately 12 years and, was boarded-up to restrict unauthorized access. The Site is bordered by Washington Avenue to the northeast; Ontario Street to the northwest, and; residential properties to the southwest and southeast. A site map is presented in **Figure 2**.

1.1 Site Background

The Site was the location of a former dry cleaning business (RKO Dry 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. It was believed that containers were in the basement that contained liquids associated with the dry cleaning operation. 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 water 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 by a professional engineer licensed in the State of New York on June 19, 2012. The purpose of that site visit was to inspect the structural integrity of the building. The findings of that inspection concluded that the building was structurally unsound and, resulted in demolition of the building in the days that followed. Demolition was by Provincial Contractor Services of Castleton, New York under contract with the City of Albany. The site is currently a vacant lot located at the intersection between Washington Avenue and Ontario Street.

2.0 SITE CHARACTERIZATION

The initial scope of work for the site characterization was defined by NYSDEC in the callout document to include sampling of sub-slab soil from beneath the basement floor; advance soil borings and collect soil samples at selected locations around the periphery of the site, install monitoring wells and sample groundwater and, install and sample soil vapor monitoring points. The scope was also modified during the course of conducting the site characterization to include sub-slab and indoor air sampling from two adjacent and one nearby structure. Site characterization activities were conducted at different times between July, 2012 and January, 2013. Details are provided in the following sections.

2.1 Basement Soil Sampling and Analytical Results

The basement sub-slab soil and groundwater sampling was conducted on July 13, 2012 after completing the removal of the hazardous C&D debris from the basement. The samples were

obtained by first advancing a core hole through the concrete slab in proximity to a pre-existing sump in the southeast corner of the basement floor. 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 also collected directly from the borehole by "dipping" pre-preserved and laboratory supplied glassware into the infiltrating groundwater. After completing the basement 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 1** below and, also, Figure 3. Also included in Table 1 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 basement sub-slab soil (SB-1 sub-slab). The soil analytical results are in excess of their respective soil cleanup objective for unrestricted use, as defined by 6NYCRR Part 375-6.8(a) but, below their respective soil cleanup objective for commercial use, as defined by 6NYCRR Part 375-6.8(b). The laboratory analytical report for the basement sub-slab soil and groundwater samples is included in **Attachment A**.

Table 1
Summary of Basement Water, Sub-Slab Water and Sub-Slab Soil Analytical Results

Compound	Water				Soil		
	GW Standard	RKO Base 1	RKO Base 2	Sub-Slab SB-1 (water)	SCO Unrestricted	SCO Commercial	Sub-Slab SB-1 (soil)
1,1-Dichloroethene	5.0	1.2	1.3	< 4.0	330	500,000	< 110
1,2-Dichlorobenzene	3.0	1.9	2.5	< 4.0	1,100	500,000	< 110
Dichlorodifluoromethane	5.0	1.6	1.5	< 4.0			< 110
Trans-1,2-Dichloroethene	5.0	**11**	**15**	< 4.0	190	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	20	13,000	< 110
Cis-1,2-Dichlorioethene	5.0	**500**	**700**	**150**	250	500,000	60 J
Tetrachloroethene	5.0	**2,800**	**3,000**	**4,700**	1,300	150,000	**6,300**
Trichloroethene	5.0	**660**	**950**	**200**	470	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 unrestricted and commercial use (6NYCRR Part 375-6.8(a &b), respectively)
Blank space indicates SCO not established for this compound
J = Estimated concentration
Concentrations in **Bold** exceed their respective GW standard or SCO

2.2 Soil Boring, Monitoring Well and Soil Vapor Point Installation

Soil borings were advanced at a total of seven locations on and adjacent to the property. Soil boring locations were selected by NYSDEC based on spatial distribution and proximity to on-site or off-site features and the anticipated direction of groundwater flow toward the north-northeast. One location (SB-1) was for a soil boring only. A soil vapor sampling point (SV-1) was later installed at this location. Five soil borings were installed and converted into monitoring wells MW-1 through MW-5. Soil vapor sampling points were also installed adjacent to wells MW-2 (SV-2) and MW-3 (SV-3). One shallow soil boring was installed on the southeast side of the site and converted into soil vapor sampling point SV-4 in proximity to an adjacent residential structure (564 Washington Avenue). Soil boring, monitoring well and soil vapor point location are shown on **Figure 4**.

Aztech commenced with the drilling program in August, 2012. Prior to mobilizing the drilling equipment to the site, each proposed location was marked and the Underground Facilities Protective Organization (UFPO) contacted for clearing each location. Additionally, at each drilling location, Aztech personnel pre-cleared by hand-digging to an approximate depth of 5.0-feet below grade in order to ensure that underground utilities would not be encountered. Once each location was pre-cleared, continuous depth-discrete soil samples were retrieved to a depth of 20-feet below grade. Twenty feet was the termination depth based on the depth of groundwater observed during the drilling program (approximately 10-feet below grade) and the fact that no visual or olfactory evidence of impact was noted in any of the soil borings. Additionally, headspace screening of the soil retrieved from each borehole (using a 10.6 electron-volt (eV) photoionization detector (PID) calibrated to a 100 part per million (ppm) isobutylene calibrant gas) did not demonstrate any soil intervals with total VOC concentrations in excess of 1.8 parts per million (ppm).

After completing the soil evaluation/headspace screening, aliquots of soil were collected from two depth intervals within each borehole. One sample was collected from the interval generally at the water table (as observed in the borehole during the drilling program) and, the second sample was collected from the bottom of the borehole. Soil samples were transferred into laboratory-supplied glassware, placed on ice and submitted under chain-of-custody protocols to Test America where they were analyzed for the full target compound list of VOCs (including tentatively identified compounds) via analytical method 8260. Two soil samples from each borehole were submitted for laboratory analysis.

Five of the soil borings were converted into 2.0-inch inside diameter (ID) Schedule 40 PVC monitoring wells after completing the soil evaluation. Each monitoring well was constructed of 10-feet of no. 10-slot screen and riser pipe and completed to an approximate total depth of 16-feet. Well screens were placed so that the upper portion of the screen extended approximately 3.0-feet above the water table (as observed on the borehole during drilling). The annular space around the well screen was backfilled with graded well sand (No. 1) to extend above the screened interval as the augers were incrementally withdrawn from the borehole. The graded well sand

was subsequently sealed with bentonite chips that were hydrated before completing the monitoring well installation. Each monitoring well was finished flush to grade with a steel, bolt-down road box set in a concrete pad. The monitoring wells were later surveyed to a site datum set at an elevation of 100.00-feet. This site datum was established at the top of a fire hydrant located in the northern portion of the site adjacent to Washington Avenue.

Also included in the drilling program was the installation of four soil vapor sampling points at selected locations. Each of the soil vapor sampling points was installed within a 2.0-inch diameter borehole advanced via direct push tooling. Soil vapor sampling points were constructed of a 6.0-inch length of ¼-inch diameter stainless steel wire mesh screen attached to ¼-inch diameter teflon-lined silicone tubing. The screened portion was vertically centered within approximately 12-inches of glass beads. The sampling point was placed to sample the soil vapor from the subsurface within 3.0-feet of the water table (as observed during the drilling program). The glass beads were sealed with hydrated bentonite to within 2.5-feet of grade. The annular space above the bentonite seal was backfilled with compacted native soil and, finished flush to grade within a steel, bolt-down road box set within a concrete pad. The specifications for the newly installed monitoring wells and soil vapor sampling points are included in **Table 2**; stratigraphic and construction details are included in the attached soil boring/well construction logs (**Attachment B**).

Table 2
Well Specifications

Well ID	Purpose	TOC Elevation	Total Depth	Screen Interval	Sand Pack Interval*	Bentonite Seal
MW-1	Monitoring Well	96.70	16.0	6.0 - 16	4.0 – 16	2.0 - 4.0
MW-2	Monitoring Well	96.10	16.0	6.0 - 16	5.3 – 16	1.0 – 5.3
MW-3	Monitoring Well	99.56	17.0	7.0 - 17	5.0 – 17	3.0 - 5.0
MW-4	Monitoring Well	98.30	16.0	6.0 - 16	4.0 – 16	2.0 – 4.0
MW-5	Monitoring Well	97.16	16.0	6.0 - 16	4.5 – 16	1.0 - 4.5
SV-1	Soil Vapor	NA	7.5	7.0 – 7.5	6.5 – 7.5	3.0 – 6.5
SV-2	Soil Vapor	NA	5.75	5.25 – 5.75	5.0 - 6.0	0.5 – 5.0
SV-3	Soil Vapor	NA	7.0	6.5 – 7.0	5.5 – 7.5	2.5 – 5.5
SV-4	Soil Vapor	NA	6.0	5.5 – 6.0	5.5 – 6.5	2.5 – 5.5

NOTES:
All depth intervals given in feet below grade.
NA – Not Applicable
* Glass Beads used in lieu of well sand for soil vapor sampling points

Soil cuttings generated during the drilling program were stored on-site in 55-gallon drums pending disposal.

Approximately one week after completing their installation, each monitoring well was developed. Well development involved using well-dedicated sampling bailers to remove several volumes of water from each well. Each well was bailed to dryness; allowed sufficient time to recover and, the process repeated. The total volume removed from each well ranged from 6.0 gallons (MW-3) to 10 gallons (MW-1 & MW-2). Well development water was stored in a 55-gallon drum pending disposal.

2.2.1 Soil Analytical Results

The analytical results for the soil sampling completed during the drilling program indicate that VOCs were not detected ("ND") in soil samples collected at five of seven locations. As shown on **Figure 5**, these locations include three locations along Ontario Street (MW-1, SB-1 and MW-5), one location along Washington Avenue (MW-2) and, one location beneath the former building footprint and in proximity to the filled-in basement area (MW-4). Detectable concentrations of tetrachloroethene (PCE), a compound typically related to dry cleaning operations, were identified in two samples (MW-3 @ 8'-9' and SV-4 @ 8'-9') at concentrations of 4.9 parts per billion (ppb) and 13 ppb, respectively. However, both of these concentrations are below the soil cleanup objective for unrestricted residential use (1,300 ppb), as defined by 6NYCRR Part 375-6.8(a). VOCs were "ND" in the samples collected from the 20-foot depth in MW-3 and SV-4. The laboratory analytical reports for the soil samples collected during the drilling program are included in **Attachment C**.

2.2.2 Site Geology and Groundwater Flow Direction

The soil encountered during the drilling program is generally characterized as a brown, plastic clay that transitions into a mixture of silt and clay at approximately 7.5-feet to 10-feet below grade. The silt and clay mixture is soft and wet, and brown to gray in color. A natural variation in this stratigraphic sequence was encountered in well MW-1, where a 1.0-foot thick layer composed of very fine sand and silt was encountered from approximately 10-feet to 11-feet below grade. In MW-2, located adjacent to Washington Avenue, a wet layer of very fine sand and silt was encountered in the interval from 5.0-feet to 8.3-feet below grade. This material is interpreted to be a fill material possibly associated with bedding for underground infrastructure. A material believed to be coarse sand and gravel fill was also encountered in well MW-3 in the interval from the ground surface down to 10.5-feet below grade. This borehole is located in the area between the former building on the site (566 Washington Ave) and the adjacent structure at 182 Ontario Street.

Depth to water measurements were obtained on August 22, 2012 prior to groundwater sampling. The depth to water measurements were obtained by opening each well and allowing sufficient time for the water levels to equilibrate with atmospheric conditions. After equilibration, measurements were obtained by recording the depth to water from the top of the PVC well casing using an electronic water level tape calibrated in 0.01-foot increments. The depth to water measurement for each well was subtracted from the surveyed top of well casing elevation in order to determine the groundwater elevation for each well. The groundwater elevations listed in **Table 3** below were used to prepare the groundwater contour map presented in **Figure 6**. As shown on Figure 6, groundwater flow is toward the east at a hydraulic gradient (a dimensionless number that represents the difference in groundwater elevation between two contour lines divided by the length of the flow line separating the contours), as determined between wells MW-2 and MW-3, of 0.04 ft/ft.

Table 3
Groundwater elevations – August 22, 2012

Well ID	TOC Elevation	Depth to Water	Groundwater Elevation
MW-1	96.70	6.00	90.70
MW-2	96.10	9.95	86.15
MW-3	99.56	9.47	90.09
MW-4	98.30	9.71	88.59
MW-5	97.16	7.73	89.43

NOTES:
All measurements/elevations in feet.
Elevations relative to a site datum assigned a value of 100.00 feet

2.3 Groundwater Sampling and Analytical Results

Groundwater samples were collected from each monitoring well on August 22, 2012, approximately two weeks after completing well development. Groundwater sampling commenced by first removing the expandable plugs from each of the wells and allowing water levels within the wells to equilibrate with atmospheric conditions. Depth to water measurements were subsequently obtained and the volume of water stored in the well casing was determined. Three (3) well volumes were evacuated using dedicated, disposable bailers; purge water was stored on-site in a 55-gallon drum pending disposal. The wells were allowed to recharge prior to sample collection. Groundwater samples were transferred into laboratory supplied sampling containers, placed on ice, and delivered to Test America where they were analyzed for the full list of VOCs via analytical method 8260.

The analytical results for the five groundwater samples collected on August 22, 2012 are summarized below on **Table 4**. As indicated, tetrachloroethene (PCE) was identified in groundwater samples collected from each well. PCE concentrations exceeded the 5.0 ppb standard for Class GA groundwater, as defined by the June, 1998 reissuance of the NYSDEC Technical and Operational Guidance Series (TOGS) Memorandum 1.1.1, in wells MW-2 and MW-3. Well MW-3, located in the area between the former RKO site building and 182 Ontario Street, also exhibited exceedances of the Class GA groundwater standards with respect to cis-1,2-dichloroethene (DCE), PCE, trichloroethene (TCE) and vinyl chloride (VC). The distribution of these compounds in groundwater is presented on **Figure 7**; the laboratory analytical report for the groundwater samples is included as **Attachment D**.

Table 4
Summary of Groundwater Analytical Results

Compound	Groundwater Standard	MW-1	MW-2	MW-3	MW-4	MW-5
cis-1,2-dichloroethene	5.0	-	-	**79**	-	-
Tetrachloroethene	5.0	1.8	**7.4**	**410**	2.3	2.4
trans-1,2-dichloroethene	5.0	-	-	2.7	-	-
Trichloroethene	5.0	-	-	**83**	-	-
Vinyl Chloride	2.0	-	-	**9.3**	-	-

NOTES:
Concentrations in micrograms per liter (ug/l)
Concentrations in Bold exceed Groundwater Standard
- Compound was not detected
Samples collected August 22, 2012
Groundwater Standard from NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1

2.4 Soil Vapor Sampling and Analytical Results

Soil vapor sampling was conducted at four (4) locations (SV-1, SV-2, SV-3 and SV-4) concurrent with the quarterly groundwater sampling on August 22, 2012. Additionally, one (1) ambient air sample was also collected as part of that sampling event. The ambient air sample was collected approximately 4.0-feet above the ground surface in proximity to soil vapor sampling location SV-3. At each soil vapor sample location, soil vapor samples were collected using laboratory-supplied summa canisters and flow regulators. Each flow regulator was laboratory-calibrated to obtain the soil vapor sample over a 2.0-hour duration. After collection, soil vapor samples were submitted via overnight courier to the Test Americas' Knoxville, Tennessee laboratory where they were analyzed via analytical method TO-15 for the full list of VOCs.

One ambient air sample and two out of four possible soil vapor samples were collected as part of this effort. This is because the summa canisters were unable to draw a sufficient volume of soil vapor from sampling points SV-1 and SV-2. Aztech believes that this is related to the low permeability nature of the clay soil in which SV-1 is completed and, the possibility that water may have entered SV-2, preventing the soil vapor sample from being drawn. The two samples that were collected (SV-3 and SV-4) are both located in proximity to residential structures on the south side of the site (182 Ontario Street; SV-3) and, the east side of the site (564 Washington Ave; SV-4). Laboratory analytical reports for the ambient air and soil vapor samples are included as **Attachment E**.

The analytical results, summarized and presented below in **Table 5**, indicate that a variety of compounds, including solvents unrelated to typical dry-cleaning operations (methyl ethyl ketone, carbon tetrachloride, methylene chloride and methyl isobutyl ketone), refrigerants (chloromethane, dichloridifluoromethane and trichlorofluoromethane) and petroleum related compounds (benzene, toluene, ethylbenzene, toluene, trimethylbenzene, trimethylpentane, hexane and ethanol) were detected in the ambient air sample, and the sample collected from sampling point SV-4, at concentrations that are generally comparable. These compounds are not likely related to the former dry cleaning operation at the site.

Table 5
Summary of Soil Vapor Analytical Results

Compound	USEPA/OSWER Vapor Intrusion Guidance		Sample Results		
	Target Indoor Air	Target Shallow Soil Gas	Ambient Air	SV-3	SV-4
Benzene	31	310	0.69		1.2
Methyl ethyl ketone	1,000	10,000	1.7		4.3
Carbon tetrachloride	16	160	0.37		0.49
Chloromethane	90	900	0.83		1.2
Cyclohexane	*	*			0.88
Dichlorodifluoromethane	200	2,000	1.8		2.5
Cis-1,2-Dichloroethene	35	350		**1,300**	
Ethanol	*	*	38		110
Ethylbenzene	220	2,200	0.5		1.5
n-Hexane	200	2,000	1.8		3.2

Table 5
(continued)

Compound	USEPA/OSWER Vapor Intrusion Guidance		Sample Results		
	Target Indoor Air	Target Shallow Soil Gas	Ambient Air	SV-3	SV-4
Methylene chloride	520	5,200	0.84		3.7
Methyl Isobutyl Ketone	80	800			65
Tetrachloroethene	81	810	0.89	**50,000**	1.0
Toluene	400	4,000	2.7		1.4
Trichloroethene	2.2	22		**4,200**	
Trichlorofluoromethane	700	7,000	1.4	260	0.31
1,2,4-Trimethylbenzene	6.0	60	0.49		0.25
2,2,4-Trimethylpentane	*	*			0.35
m,p-Xylene	7,000	70,000	1.5		0.98
o-Xylene	7,000	70,000	0.6		0.32

Notes:
Volatile organic compounds via method TO-15
Concentrations in micrograms per cubic meter (ug/m^3)
USEPA Vapor Intrusion Guidance = Target Indoor Air and Target Shallow Soil Gas concentrations per Table 2A - OSWER Draft Guidance for Evaluating Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) – November, 2002.
* Indicates no Vapor Intrusion Guidance Value.
Concentrations in bold exceed the indoor air guidance for that compound.
Compounds included herein were identified in at least one sample. For full list of analytes refer to laboratory analytical report
Blank Space indicates that compound was not detected in that sample.

Two of the three predominant compounds identified in the original basement water sample (TCE and cis-1,2-DCE in the sample collected by NYSDEC in May, 2012) were not identified in either the ambient air or SV-4 samples. PCE was identified at comparable concentrations in both the ambient air sample (at a concentration of 0.89 micrograms per cubic meter (ug/m^3)) and the SV-4 sample at 1.0 ug/m^3. In the sample collected from SV-3, located in the area between the former RKO site building and 182 Ontario Street, concentrations of the compounds PCE, TCE and cis-1,2-DCE were identified in the soil vapor at concentrations of 50,000 ug/m^3, 4,200 ug/m^3 and, 1,300 ug/m^3, respectively (**Figure 7**).

Based on the laboratory analytical results of the soil vapor samples collected, NYSDEC requested that soil vapor intrusion (SVI) sampling of sub-slab vapor and indoor air be conducted at the two residential structures adjacent to the site (564 Washington Ave and 182 Ontario Street). That initial sampling was conducted on November 1, 2012. Subsequent SVI sampling was conducted at a nearby residence (562 Washington Avenue) on January 15, 2013.

2.5 Vapor Intrusion Sampling

The general approach for vapor intrusion sampling of each property was to determine suitable locations that would provide representative data. At the time of sampling on November 1, 2012, one of two apartments at 564 Washington Ave was vacant. This was the apartment on the second floor of the building. The first floor apartment was occupied. The basement area, which underlies the entire footprint of the building, is essentially un-used, except for a washer/dryer used by the tenants. Sub-slab and indoor air samples at this location were collected from within the basement area. The property at 182 Ontario Street is a three story building with several apartments. The ground floor of the building is slab-on-grade and the site

of the Abbott Tavern, a currently closed Bar and Restaurant. Sub-slab and indoor air samples at that location were collected from within the bar area of that establishment.

A third residential property (562 Washington Avenue) was added to the SVI sampling program based on the results of the sub-slab and indoor air samples collected on November 1st. That property was similar to that of 564 Washington Avenue with the exception that both apartments are believed to be occupied. The basement area, which underlies the entire footprint of the building, is unused except for the natural gas-fired hot air furnace and hot water heater. Sub-slab and indoor air samples at this location were collected from within the basement area.

A floor plan for each area included in the vapor intrusion sampling was sketched showing the approximate sample locations. Additionally, an inventory of household chemicals and cleaning products was compiled (as well as photographs of these chemical containers) for each location sampled. For 564 Washington Ave, only a washer and dryer was in the basement area. Only laundry products were present. For 562 Washington Avenue, the basement area was vacant; no household chemicals were identified. For 182 Ontario Street, several household cleaning chemicals and other typical household products were identified. The floor plan sketch, list of household chemicals and photographs for each location are included in **Attachment F**.

Additional sampling conducted as part of the vapor intrusion study included collection of one outdoor air sample and a blind duplicate sample from the indoor air at 182 Ontario Street during the November SVI sampling. The outdoor air sample was obtained in the area between both buildings during that sampling event. An outdoor air sample was also collected during the January, 2013 SVI sampling and, a second set of SVI samples were collected from 564 Washington Avenue in order to verify the results of the samples collected from that location in November, 2012. Locations of all samples collected during the vapor intrusion study are included in **Figure 8**.

2.5.1 Sub-Slab Vapor Point Installation

Each of the sub-slab vapor point installations were initiated by drilling a 3/8-inch diameter hole through the concrete slab until the bottom of the slab was perforated. The hole was continued approximately 2.0-inches beyond the bottom of the concrete slab, the drill tooling removed and an appropriate length of teflon tubing was installed. The tubing was wrapped with teflon tape to seal it to the concrete slab. Modeling clay was used to further seal the perforation through the slab and prevent short-circuiting of indoor air into the sub-slab vapor point during sampling. After completing installation of the sub-slab vapor point, the integrity of the seal through the concrete was tested in order to ensure that the sub-slab vapor sample was not affected by infiltrating indoor air.

Testing of the seal was conducted by extending an appropriate length of teflon tubing from the sub-slab vapor point through a tracer gas enclosure. The tubing was sealed to the tracer gas enclosure and the atmosphere within the enclosure enriched with inert helium gas. Once the

tracer gas enclosure was enriched with helium, the sub-slab vapor point was purged of approximately three volumes at a flow rate of less than 0.2 liters per minute (lpm) using a purge pump. After purging was completed, a tedlar bag was filled with sub-slab vapor and the contents field screened with a PID for total VOC concentration and, percent helium in order to test the integrity of the seal between the sub-slab sampling point and the concrete slab. Once the seal through the concrete slab was confirmed via helium testing, sampling of the sub-slab vapor point commenced.

2.5.2 Sub-Slab Vapor and Indoor Air Sample Collection

All sub-slab, indoor air and outdoor air samples were collected via summa canisters over a 24-hour period. Sub-slab samples were obtained by attaching the summa canister to the sampling point via the teflon tubing. During the sampling, the helium-enriched atmosphere within the helium enclosure was maintained. Once the sampling duration was completed, the canister was re-sealed, disconnected from the sampling location and returned to its packaging for shipment back to the lab. Corresponding indoor air samples (and the one outdoor air sample) were also collected concurrently with the sub-slab samples. The indoor air samples were collected at approximately 3.0-feet above the floor; the outdoor air sample were collected at approximately 5.0-feet above the ground surface.

After completing the sub-slab vapor sampling, a second helium tracer test was performed at each sub-slab sampling point in order to confirm that it remained adequately sealed to the concrete slab throughout the sampling event. This testing was consistent with the helium tracer testing described previously. Once the integrity of the seal was verified, the teflon tubing was removed and the concrete restored to its original condition. The canisters were returned to the laboratory where they were analyzed for VOCs by EPA Method TO-15.

2.5.3 Sub-Slab Vapor and Indoor Air Sample Analytical Results

Table 6 (presented on Page 12) lists the analytical results for both sets of SVI samples collected on November 1, 2012 and January 15, 2013. The analytical results indicate that the suite of compounds identified in the sub-slab vapor and indoor air samples are identical with those detected in the soil vapor samples with the exception that four additional compounds were identified. These include petroleum-related compounds tert-butyl alcohol and 1,3,5-trimethyl benzene; the solvent/refrigerant chloroform; styrene, used in manufacture of plastics, and vinyl chloride, a chemical intermediate used in the manufacture of poly vinyl chloride (PVC).

A comparison of the November 1, 2012 analytical results for the indoor air samples with their sub-slab counterpart indicates that concentrations of compounds identified in the indoor air samples were generally similar-to (or, less-than) the concentrations identified in their sub-slab counterpart. Also, with the exception of chloroform and PCE in the sub-slab sample collected from beneath the basement floor of 564 Washington Avenue (140 ug/m^3 and 1,100 ug/m^3, respectively), none of the compounds identified in the indoor air or sub-slab vapor samples were detected at concentrations that are in excess of the OSWER-VIG or (in the case of

Table 6
Summary of Indoor Air/Sub-Slab Vapor Analytical Results
November, 2012 & January, 2013

Compound	USEPA/OSWER Vapor Intrusion Guidance NYSDOH Air Guidance	Sample Results										
		November 1, 2012						January 15, 2013				
		182 SS	182 IA	182 IA (BD-1)	564 SS	564 IA	Ambient Air	564 SS	564 IA	562 SS	562 IA	Outdoor Air
Benzene	31	3.7	3.4	4.4		0.38	0.4		0.37		0.45	0.48
Methyl ethyl ketone	1,000	9.8	7.6	8.5								
Tert-butyl alchohol	*	5.4										
Carbon tetrachloride	16		0.44	0.53		0.44	0.5		0.55		0.68	0.62
Chloroform	11			0.41	**140**	1.0		5.5			0.91	
Chloromethane	90		0.8	1.1		0.57	0.9		1.1		1.1	1.2
Cyclohexane	*		3.5	4.4								
Dichlorodifluoromethane	200	1.8	2.0	2.0		1.9	2.2		2.5		2.8	2.8
Cis-1,2-Dichloroethene	35					0.34					3.4	
Ethanol	*	77	230E	220E	16	33	9.9	14	46		27	8.6
Ethylbenzene	220	7.2	2.1	5.7								
n-Hexane	200	2.6	9.3	10								
Methylene chloride	60+	3.2	3.7	4.0		1.5	1.6					0.87
Methyl Isobutyl Ketone	80										1.9	
Styrene	1,000	7.0										
Tetrachloroethene	100+	4.7		0.64	**1,100 D**	2.6		**410**	2.0	**1,700**	4.0	
Toluene	400	43	12	22	22	1.1	1.1		0.51		0.58	0.87
Trichloroethene	5+			0.32		0.53			0.25		1.1	
Trichlorofluoromethane	700	1.2	1.2	1.2		1.2	1.2		1.2		1.5	1.4
1,2,4-Trimethylbenzene	6.0	12	1.1	5.4			0.55					
1,3,5-Trimethylbenzene	6.0	3.4		1.5								
2,2,4-Trimethylpentane	*		2.7	4.3								
Vinyl Chloride	28										0.59	
m,p-Xylene	7,000	52	5.2	19	9.8	0.63	0.93		0.4		0.54	0.5
o-Xylene	7,000	21	1.5	5.6	4.7		0.37					

Notes:
Volatile organic compounds via method TO-15
Concentrations in micrograms per cubic meter (ug/m^3)
USEPA Vapor Intrusion Guidance = Target Indoor Air and Target Shallow Soil Gas concentrations per Table 2A - OSWER Draft Guidance for Evaluating Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) – November, 2002.
+ indicates NYSDOH Air Guideline Value; Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October, 2006).
* Indicates no Vapor Intrusion Guidance Value.
Concentrations in bold exceed the indoor air guidance for that compound.
Compounds included herein were identified in at least one sub-slab/indoor air sample collected during soil vapor intrusion sampling events conducted November 1, 2012 and January 15, 2013. For full list of analytes refer to laboratory analytical report
Blank Space indicates that compound was not detected in that sample.
E Indicates Estimated Concentration
D Indicates result based on a sample dilution

methylene chloride, PCE and TCE), the Air Guideline Values (AGVs) established for indoor air as derived by the New York State Department of Health (NYSDOH) in their Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October, 2006). Similar results are noted for January 15, 2013 with the exception that PCE concentrations in the sub-slab samples collected from 564 and 562 Washington Avenue (410 ug/m^3 and 1,700 ug/m^3, respectively) were in excess of the AGVs established by NYSDOH (October, 2006). Laboratory analytical reports for the samples collected as part of the vapor intrusion study are included as **Attachment G**.

2.5.4 Sub-Slab Vapor and Indoor Air Decision Matrices

The NYSDOH's October, 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York was developed as a guideline for making decisions regarding the level of effort to be undertaken in order to reduce exposures to certain chemicals via the vapor intrusion pathway. These efforts can range anywhere from taking no further action to active mitigation. As indicated previously, NYSDOH has established AGVs for methylene chloride, PCE and TCE. That document has also established AGVs for polychlorinated biphenyls (PCBs) and dioxins. The NYSDOH soil vapor intrusion guidance also establishes two decision matrices for evaluating vapor intrusion data. Decision Matrix-1 presents lower action levels for implementing active mitigation while Matrix-2 utilizes less stringent action levels for implementing active mitigation. NYSDOH cautions, however, that these decision matrices are generic and, as such, which matrix is used for evaluating sub-slab and indoor air data (and the appropriate response to vapor intrusion issues) is site specific and should be considered accordingly. Based on the fact that utilizing decision Matrix-1 presents a guideline that is more protective to human health than that of decision Matrix-2, Aztech is evaluating carcinogenic or, potentially carcinogenic compounds in the context of decision Matrix-1. This includes the compounds benzene, carbon tetrachloride, chloroform, chloromethane, methylene chloride and TCE. All other detected compounds, including PCE, will be evaluated in the context of decision Matrix-2. PCE, which is a probable carcinogen, is evaluated under decision Matrix-2 in accordance with NYSDOH's soil vapor intrusion guidance.

2.5.4.1 182 Ontario Street

Based on the indoor air concentrations of all the compounds identified at this location and evaluated under decision Matrix-1, the appropriate response is to take reasonable and practical actions to identify sources and, reduce exposures. This includes actions such as keeping containers tightly capped or removing them to an outside storage area.

Further evaluation of sub-slab and indoor air data via decision Matrix-2 also indicates that taking reasonable and practical actions to identify sources and reduce exposures is the appropriate course of action. The predominant compound evaluated under decision Matrix-2 is ethanol, at an indoor air concentration of 230 ug/m^3 (estimated). This compound was identified in the sub-slab sample at a concentration of 77 ug/m^3. The source of ethanol at this location lies in the fact that it is the site of a currently inactive bar and restaurant.

2.5.4.2 564 Washington Ave

Two sampling events were conducted at 564 Washington Avenue. Based on the indoor air concentrations of all the compounds identified at this location during the November, 2012 sampling event, and evaluated under decision Matrix-1, the appropriate response is to mitigate. This is based on the fact that chloroform was identified in the sub-slab sample at a concentration of 140 ug/m^3 and, in the corresponding indoor air sample at 1.0 ug/m^3. Decision Matrix-1 suggests mitigation as the appropriate course of action when sub-slab concentrations of any compound evaluated under that matrix are between 50 ug/m^3 and 250 ug/m^3 and indoor air concentrations are between 1.0 ug/m^3 and less than 5.0 ug/m^3. Under decision Matrix-2, the appropriate response is also to mitigate. This is based on the fact that PCE was identified in the sub-slab sample at a concentration of 1,100 ug/m^3 and, in the corresponding indoor air sample at 2.6 ug/m^3. Decision Matrix-2 suggests mitigation as the appropriate course of action when sub-slab concentrations of any compound evaluated under that matrix are 1,000 ug/m^3 (or more) regardless of the concentration of that same compound in the corresponding indoor air sample.

Re-sampling of sub-slab and indoor air on January 15, 2013 indicated that sub-slab chloroform concentration had declined to 5.5 ug/m^3 and the corresponding indoor air concentration of chloroform was not detected. Under decision Matrix-1, the appropriate response is to monitor. PCE concentration in the sub-slab sample on that date indicated 410 ug/m^3, down from the November 2012 concentration of 1,100 ug/m^3. The corresponding indoor air concentration was 2.0 ug/m^3. According to Decision Matrix-2, the appropriate course of action is to monitor.

2.5.4.3 562 Washington Ave

Sub-slab analytical results for the sample collected from 562 Washington Avenue on January 15, 2013 indicate that PCE, at a concentration of 1,700 ug/m^3, was the only compound identified in that sample. The corresponding indoor air sample indicated a concentration of 4.0 ug/m^3. Under decision Matrix-2, the appropriate course of action is to mitigate any time a sub-slab concentration of 1,000 ug/m^3 or greater is identified.

Several compounds were also identified in the indoor air sample that were not identified in the corresponding sub-slab sample. These include Matrix-1 compounds carbon tetrachloride (0.68 ug/m^3), TCE (1.1 ug/m^3) and vinyl chloride (0.59 ug/m^3). At these indoor air concentrations, decision Matrix-1 suggests that taking reasonable and practical actions to identify sources and reduce exposures is the appropriate course of action.

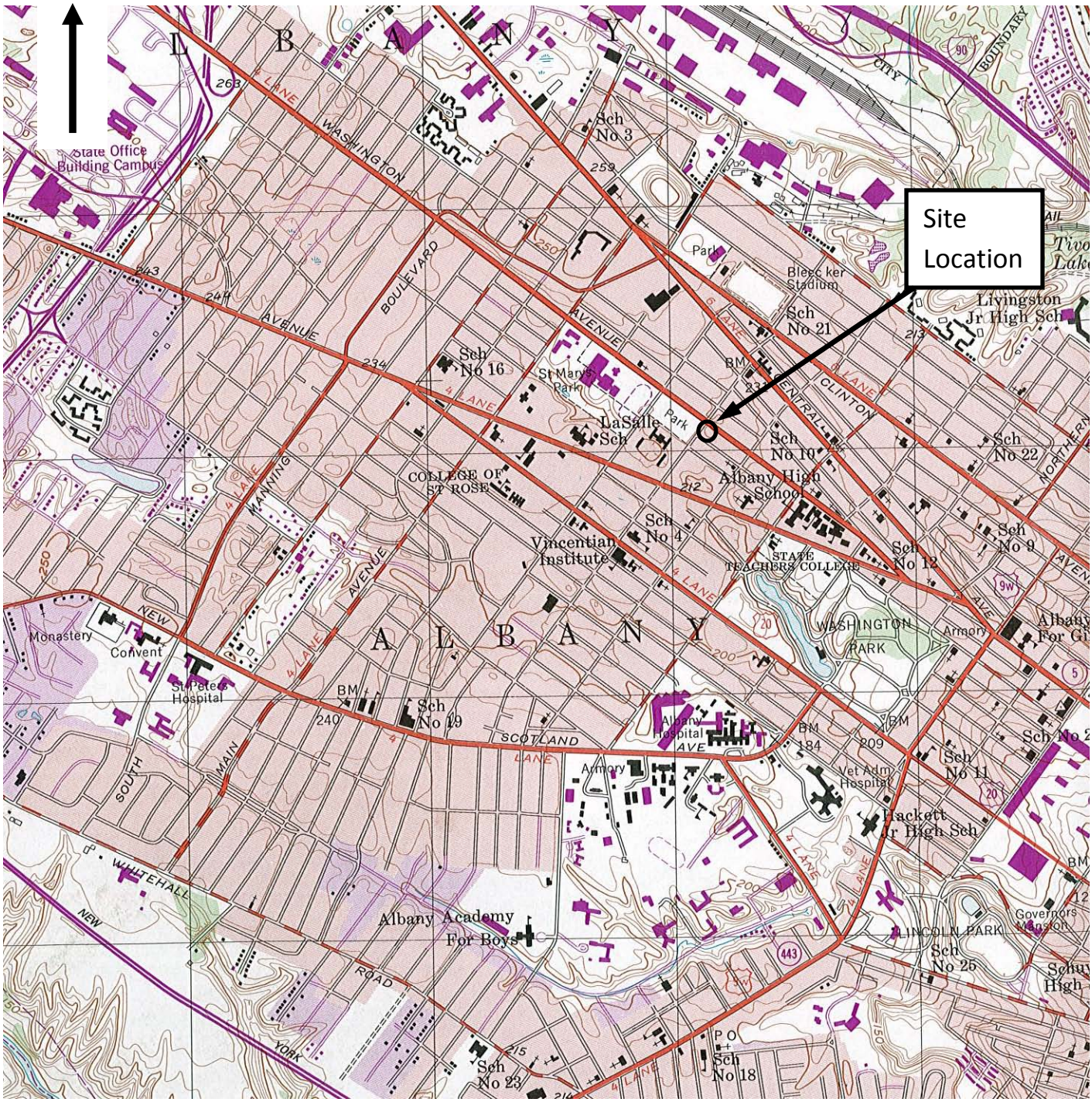
2.6 Disposal of Investigation Derived Waste.

All investigation derived waste (IDW) generated during the site characterization activities were containerized and properly disposed. This includes six 55-gallon drums of soil cuttings generated during the drilling program and one drum of purge water.

MC Environmental Services, Inc, of Queensbury, New York assisted Aztech with the disposal of both the soil cuttings and purge water. The soil cuttings were transferred from the drums to a dump truck and were subsequently mixed with 4,000 pounds of liquid phase granular activated carbon (GAC) that were generated during a previous interim remedial measure conducted at the site. Mr. Henry Wilkie of the NYSDEC Remedial Bureau corresponded with MC Environmental for making a "contained-in" determination regarding mixture of the GAC with the soil cuttings. Based on Mr. Wilkie's evaluation of the GAC analytical data and, analytical data associated with the soil cuttings, the two materials were transported in bulk 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 mixture of the soil cuttings and GAC to be thermally treated at ESMI (as well as the manifesting for the GAC) is included in **Attachment H**.

Also included in Attachment H is manifesting for disposal of one 55-gallon drum of non-hazardous non-DOT regulated liquid. This drum was disposed at Veolia ES Technical Solutions, LLC West Carrollton, Ohio facility.

FIGURES



USGS Topographic Quadrangle Map, Albany, NY

Approximate Scale 1" = 2,000'

Aztech Technologies, Inc.
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Remediation Environmental Drilling

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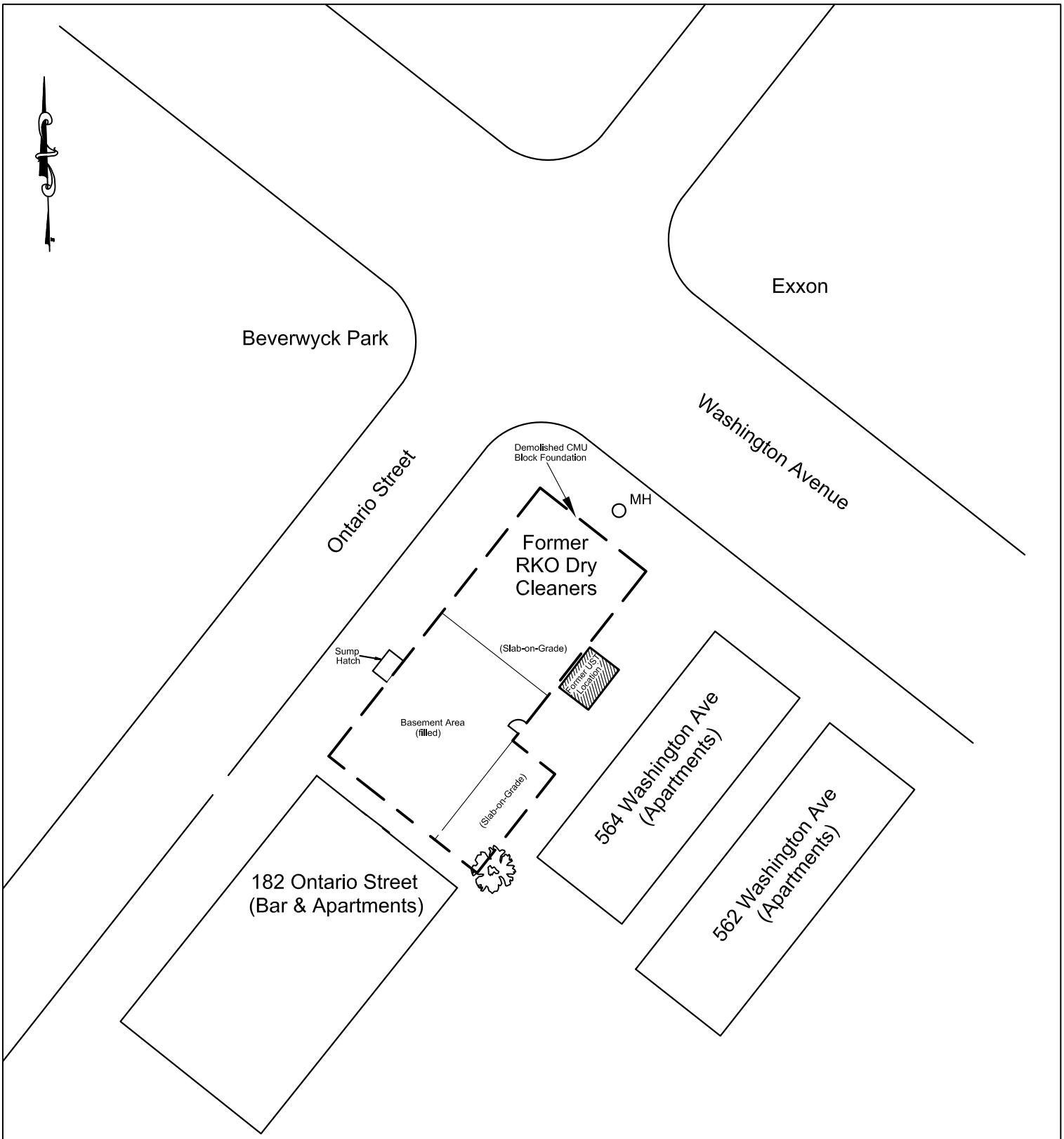
SITE: NYSDEC Site # 401065
Former RKO Cleaners
566 Washington Ave
Albany, New York

FIGURE 1

Site Location Map



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SITE: **NYSDEC Site # 401065**
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566 Washington Ave
Albany, New York

Figure 2

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

Site Map

Legend:

MH Sewer Manhole

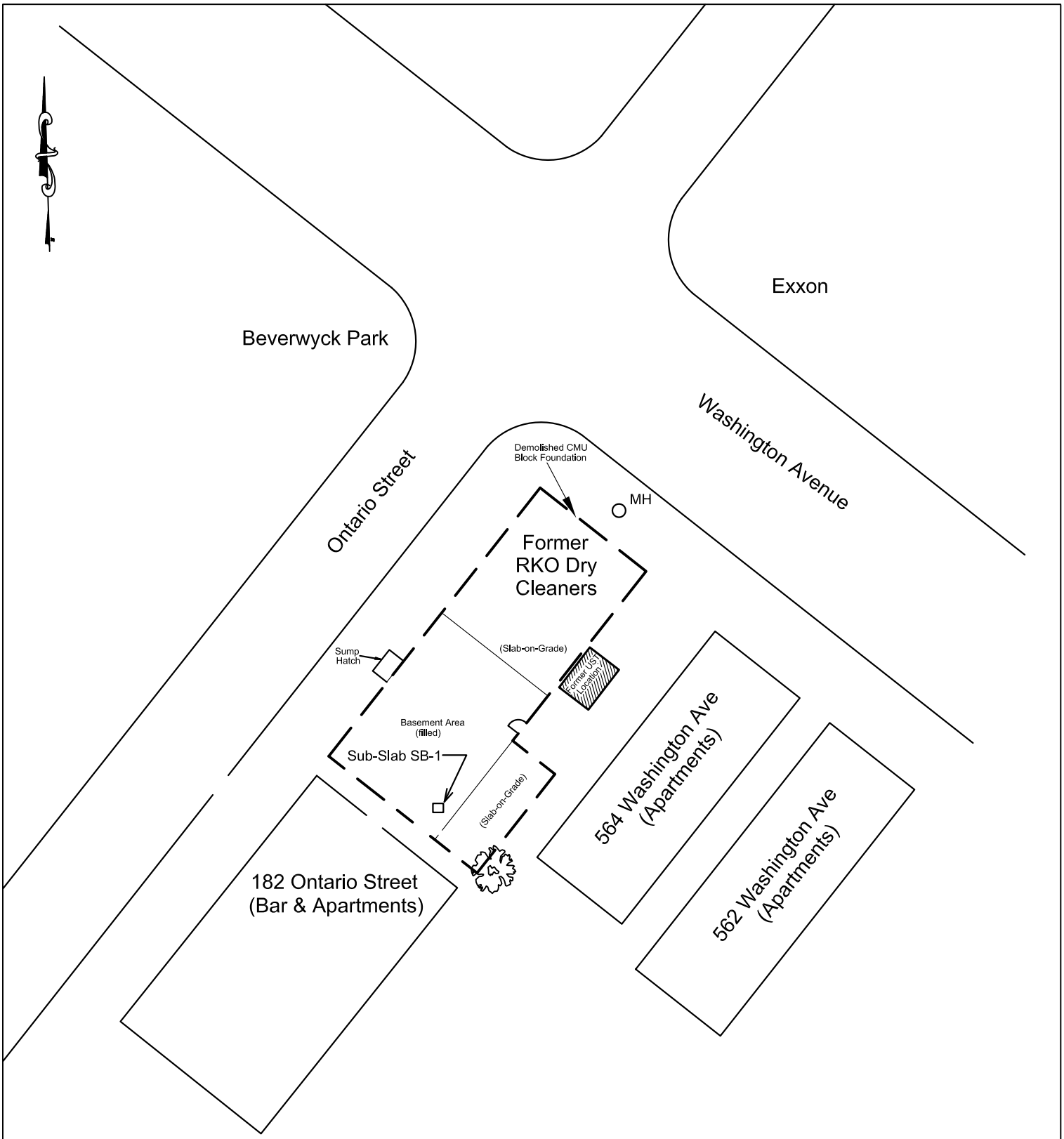

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Figure 3

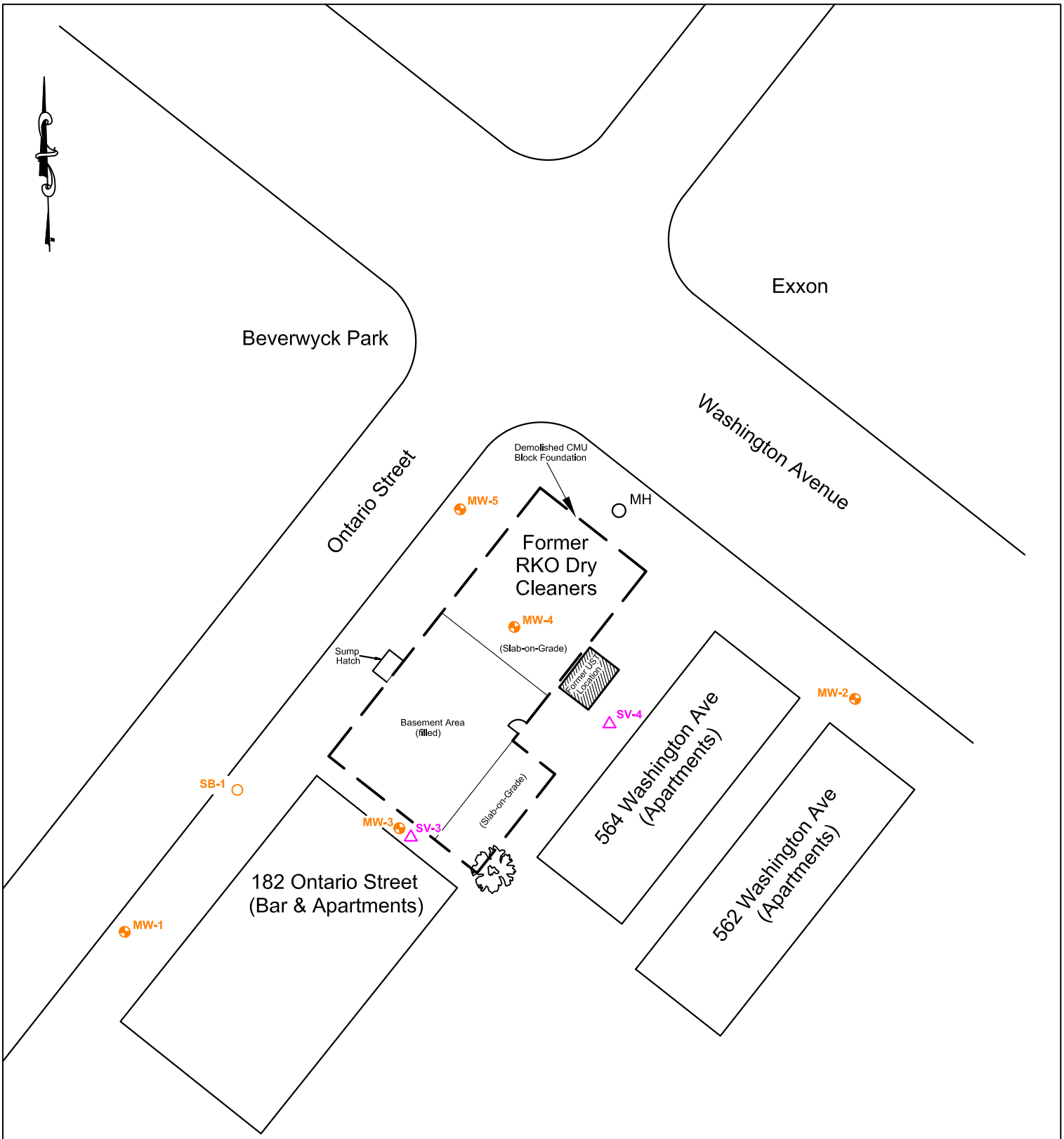
DATE: August, 2012 | Approximate Scale: 1" = 30'

Basement Sub-Slab Soil and Groundwater Sampling Location

Legend:

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

MH ○ Sewer manhole



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Albany, New York

Figure 4

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

Soil Boring/Monitoring Well and Soil Vapor Sampling Locations

Legend:

SB-1 ○ Soil Boring

MW-2 ◔ Monitoring Well

SV-3 △ Soil Vapor Sampling Point

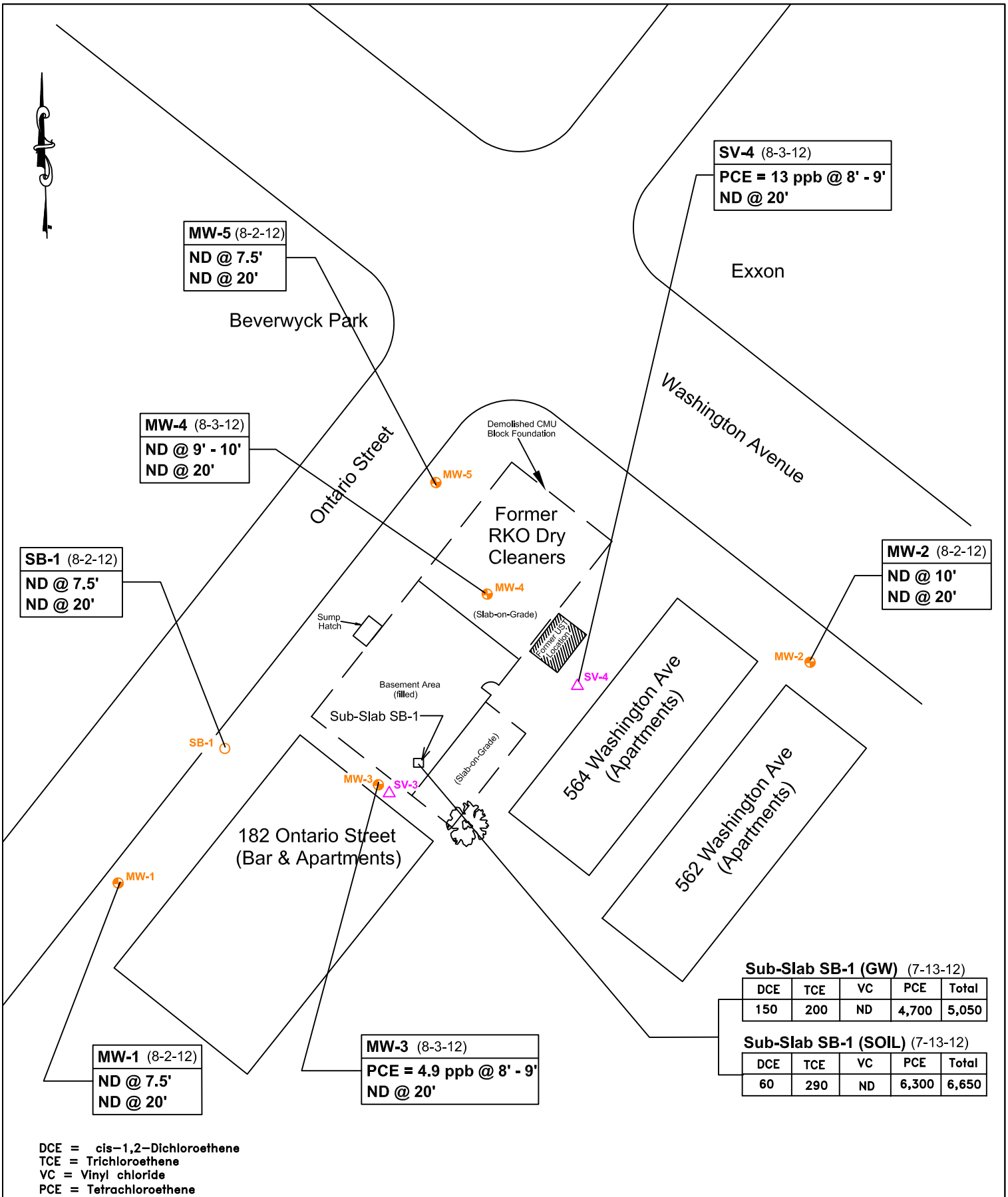

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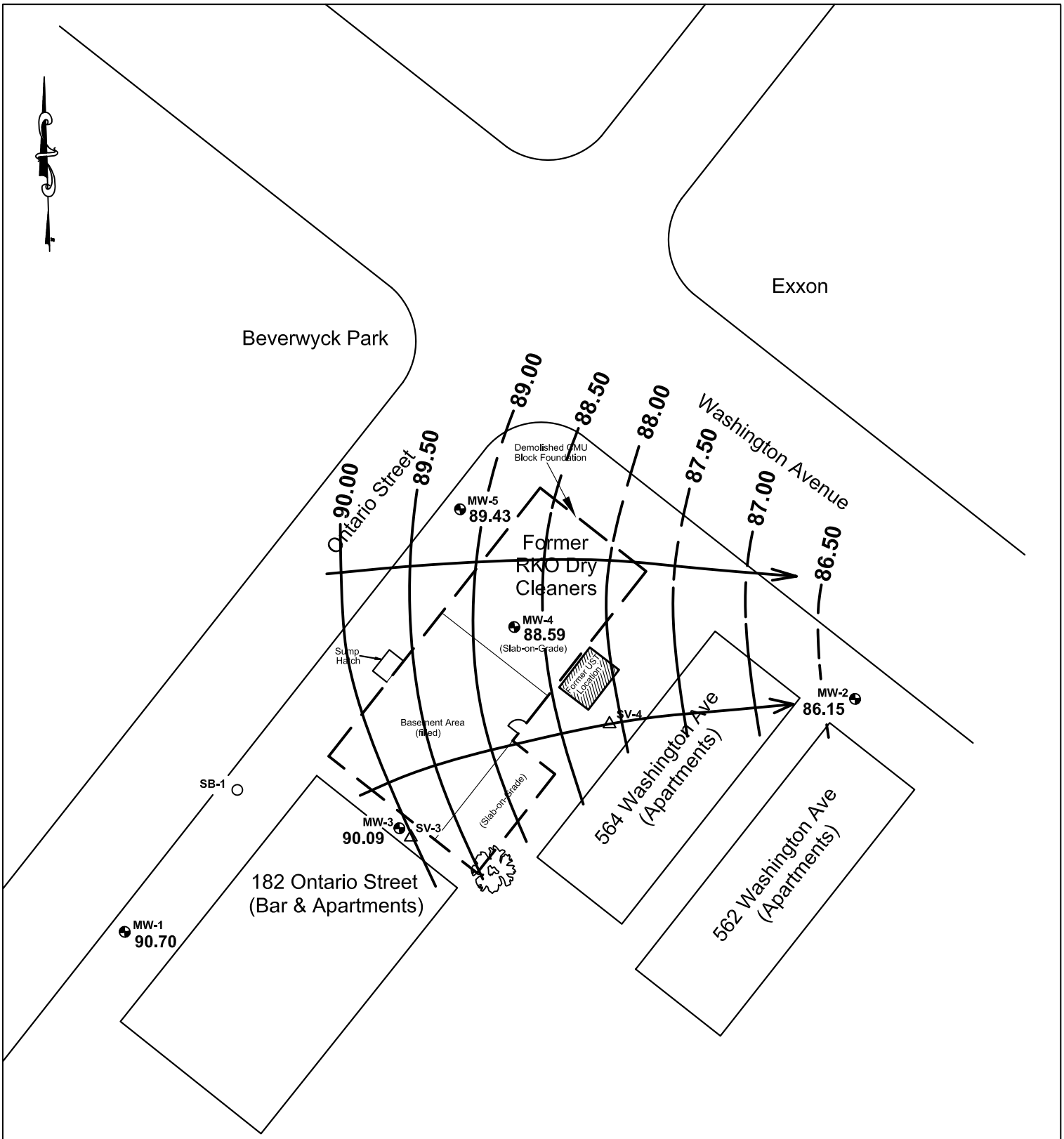
Figure 5

DATE: 9-27-2012 | Approximate Scale: 1" = 30'

VOC Distribution in Soil and Sub-Slab Groundwater
(concentrations in ppb)
Sample dates as indicated

Legend:
ND = Not Detected
MW Monitoring Well
SV Soil Vapor Monitoring Point



Groundwater elevations are relative to a site datum established at the top of the fire hydrant located on Washington Avenue. Datum assigned an elevation of 100.00 feet.

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Figure 6

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

Groundwater Contour Map
August 22, 2012

Legend:
MW Monitoring Well
SV Soil Vapor Monitoring Point

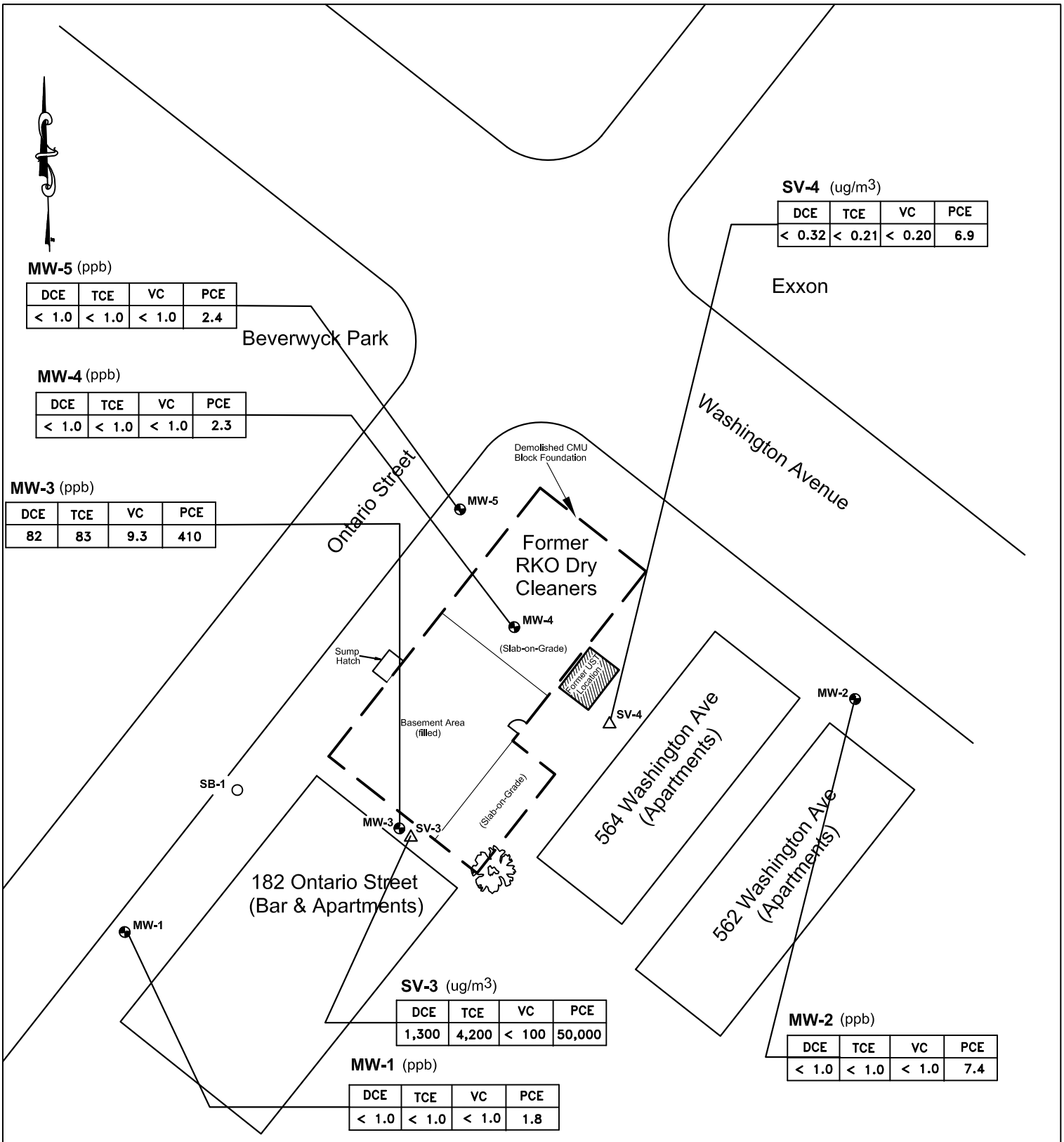

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Figure 7

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

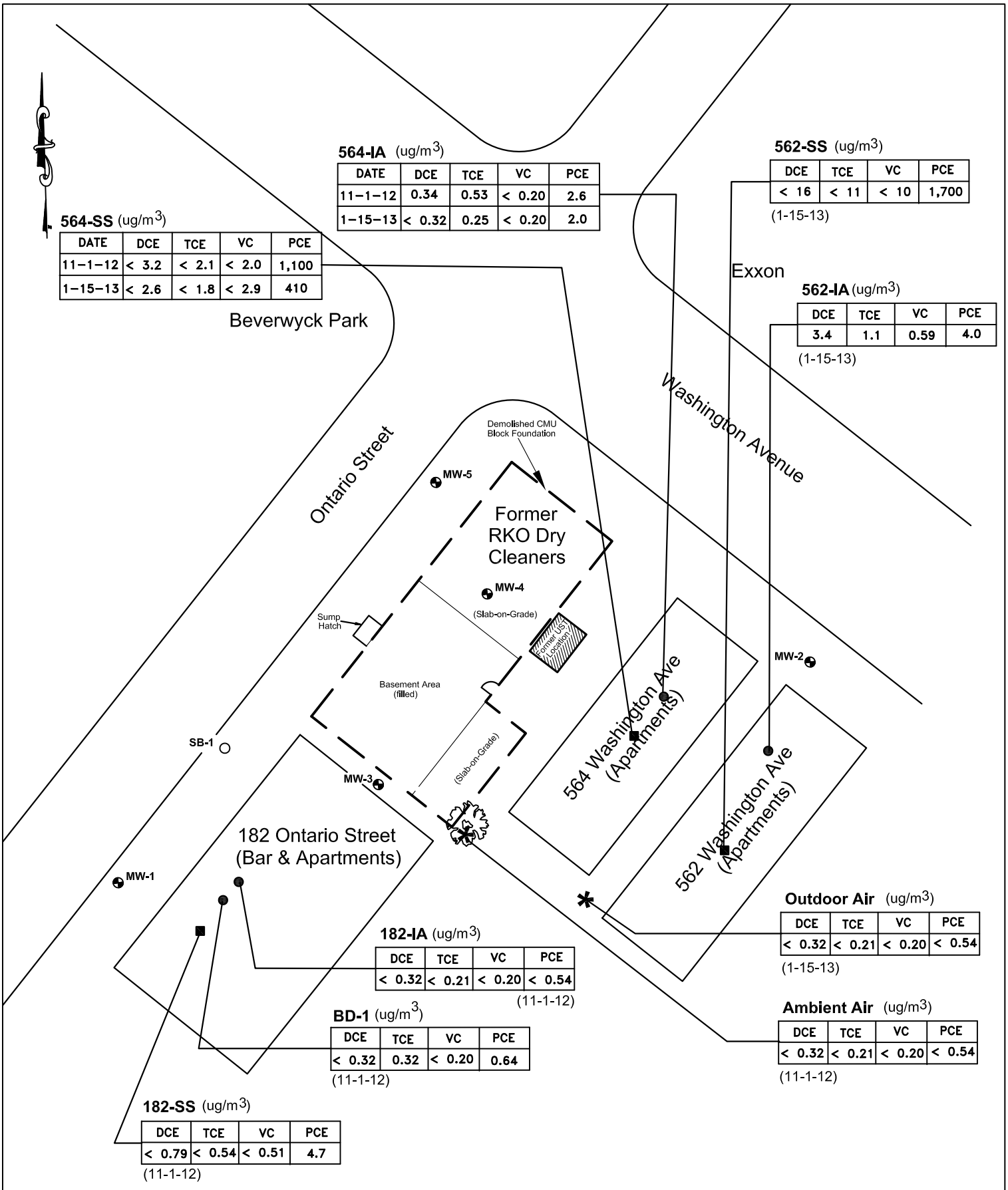

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Figure 8

DATE: As Indicated | Approximate Scale: 1" = 30'

Soil Vapor Intrusion Sampling
Indoor Air & Sub-Slab Vapor Results
November 1, 2012 & January 15, 2013
(concentrations as indicated)

Legend:
■ Sub-Slab Vapor Sample
● Indoor Air Sample

ATTACHMENT A

LABORATORY ANALYTICAL REPORT

BASEMENT SUB-SLAB SOIL AND GROUNDWATER

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)

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

TestAmerica Job ID: 480-22611-1

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

R

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
SB - 1	7-13-12	2:45	G	GW	3	N	X										
SB - 1	7-13-12	2:50	G	Soil	3	N	X										
			TOC				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 1705	[signature]	DARLINGTON	7/14/12 0900
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

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

1.7°C

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	

ATTACHMENT B

SOIL BORING/WELL CONSTRUCTION LOGS

WELL / BORING NO. **SB-1**

Site Name: Former RKO Cleaners | Date Drilled: August 2, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Direct Push (Dia): 2" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 20' (Dia): 2" | Sampled TD: 20' (Dia): 2"

Well TD: NA (Dia): NA | Well Type: NA

Screen Interval: NA | Slot Size: NA | Diameter: NA

Cased Interval: NA | Type: NA | Diameter: NA

Sand Pack Interval: NA | Type: NA | Wellhead Prot: NA

Bentonite Seal Interval: NA | Type: NA | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztech Technologies, Inc.

5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:

Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				
2		Hand dig to 4.5' to pre-clear utilities		0.0' - 7.3' Brown Clay; plastic; moist
4			0.5	No odor
6		S-1: (5.0' - 10') Rec: 5.0' / 5.0'	0.7	No odor color change to gray ~5' (Clay)
8				7.3' - EOB Gray Silt and Clay; soft; wet — 7.3'
10			0.8 ▼	No odor
12		S-2: (10' - 15') Rec: 5.0' / 5.0'	1.2	No odor
14			1.0	No odor
16		S-3: (15' - 20') Rec: 5.0' / 5.0'	1.4	No odor
18				
20			1.6	No odor (Silt and Clay)
22				Sampling terminated @ 20'. Tooling removed; borehole collapsed. — 20'
24				
26				
28				

WELL / BORING NO. **MW-1**

Site Name: Former RKO Cleaners | Date Drilled: August 2 & 3, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztec Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Hollow Stem Auger (Dia): 4-1/4" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 16' (Dia): 8" | Sampled TD: 20' (Dia): 2"

Well TD: 16' (Dia): 2" | Well Type: Monitoring Well

Screen Interval: 6.0' - 16' | Slot Size: # 10 Slot | Diameter: 2.0-inch

Cased Interval: 0.5' - 6.0' | Type: PVC | Diameter: 2.0-inch

Sand Pack Interval: 4.0' - 16' | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: 2.0' - 4.0' | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztec Technologies, Inc.

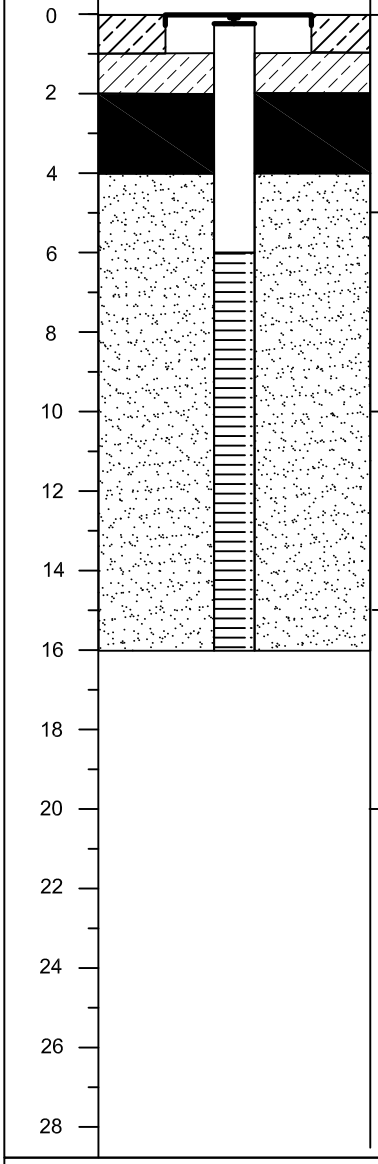
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				
2		Hand dig to 4.5' to pre-clear utilities		0.0' - 9.0' Brown Clay; stiff No odor
4			0.4	No odor
6		S-1: (5.0' - 10') Rec: 5.0' / 5.0'	0.4	No odor
8			▼	(Clay)
10			0.7	9.0' - EOB Gray Silt and Clay; soft; wet 9.0' very fine SAND and SILT ~10' - 11'
12		S-2: (10' - 15') Rec: 5.0' / 5.0'	0.6	No odor
14			0.7	No odor
16		S-3: (15' - 20') Rec: 5.0' / 5.0'	1.4	No odor
18				
20			1.5	No odor (Silt and Clay) Sampling terminated @ 20'. Advanced augers to 16' and installed 10' of #10 slot PVC screen and riser to grade. 20'
22				
24				
26				
28				

WELL / BORING NO. **MW-2**

Site Name: Former RKO Cleaners | Date Drilled: August 2 & 6, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Hollow Stem Auger (Dia): 4-1/4" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 16' (Dia): 8" | Sampled TD: 20' (Dia): 2"

Well TD: 16' (Dia): 2" | Well Type: Monitoring Well

Screen Interval: 6.0' - 16' | Slot Size: # 10 Slot | Diameter: 2.0-inch

Cased Interval: 0.5' - 6.0' | Type: PVC | Diameter: 2.0-inch

Sand Pack Interval: 5.3' - 16' | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: 1.0' - 5.3' | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztech Technologies, Inc.

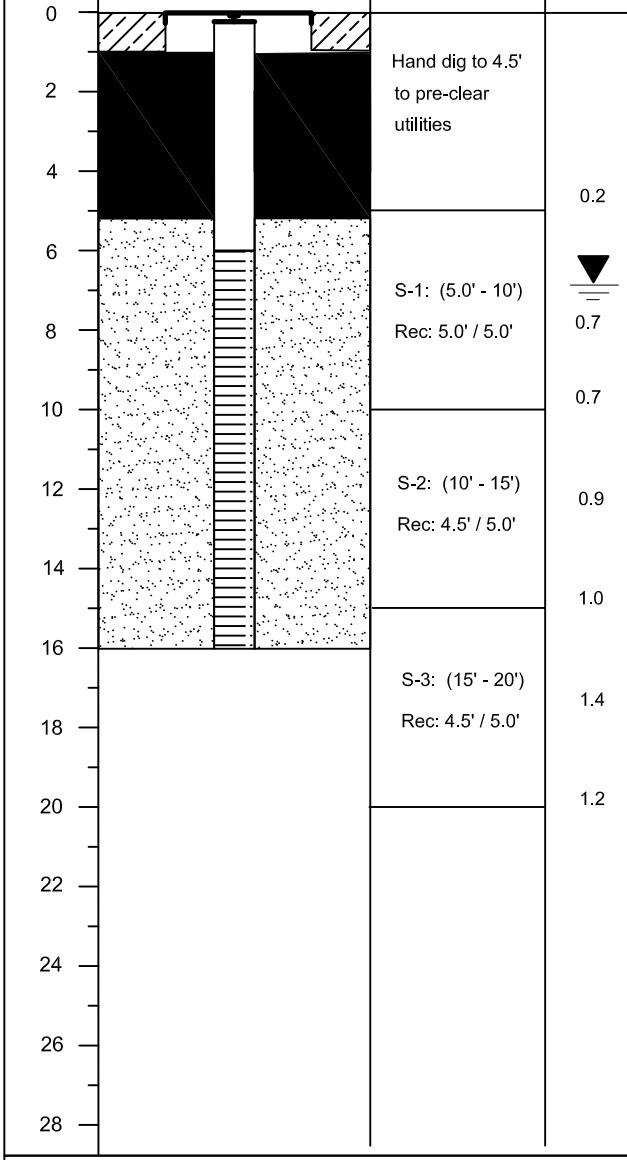
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



WELL / BORING NO. **MW-3**

Site Name: Former RKO Cleaners | Date Drilled: August 3, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: M. Passaretti

Drilling Method: Hollow Stem Auger (Dia): 4-1/4" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 17' (Dia): 8" | Sampled TD: 20' (Dia): 2"

Well TD: 17' (Dia): 2" | Well Type: Monitoring Well

Screen Interval: 7.0' - 17' | Slot Size: # 10 Slot | Diameter: 2.0-inch

Cased Interval: 0.5' - 7.0' | Type: PVC | Diameter: 2.0-inch

Sand Pack Interval: 5.0' - 17' | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: 3.0' - 5.0' | Type: Granular Bentonite | Grouted Interval: N/A

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Aztech Technologies, Inc.

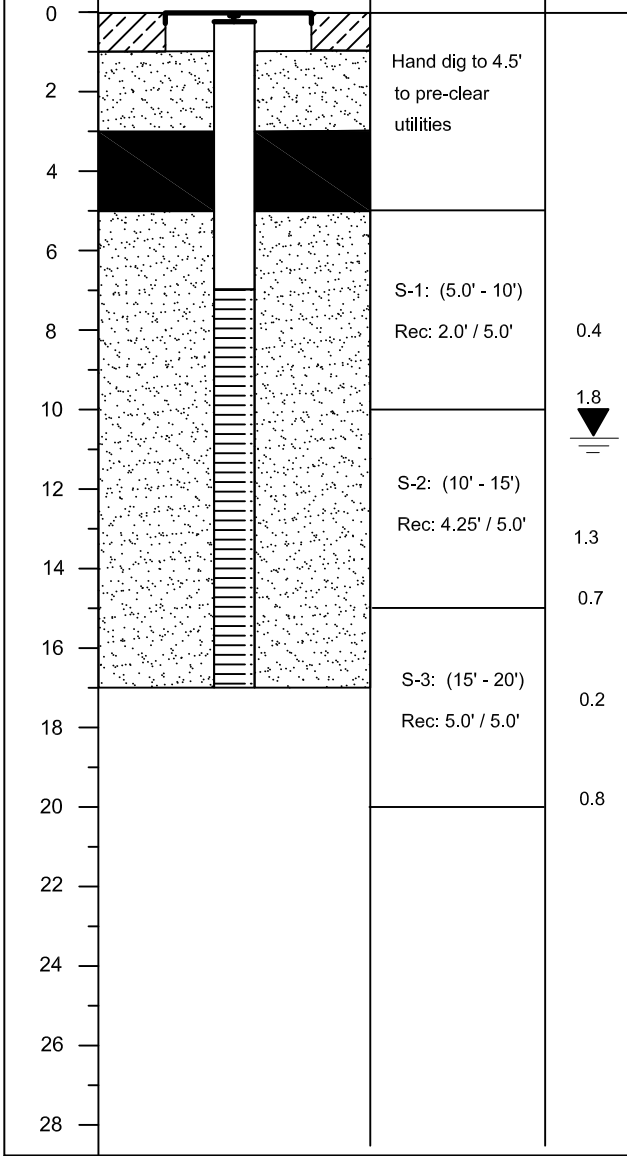
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Description / Soil Classification
0.0' - 10.5'	Brown fine to coarse Sand and fine Gravel; Dry No odor No odor No odor (Fill)
10.5' - 13.5'	Brown to gray Clay; stiff; moist to wet — 10.5' No odor (Clay)
13.5' - EOB	Brownish gray Silt and Clay; stiff; moist to wet — 13.5' No odor No odor No odor (Silt and Clay)
	Sampling terminated @ 20'. Advanced augers to 17' and installed 10' of #10 slot PVC screen and riser to grade. — 20'

WELL / BORING NO. **MW-4**

Site Name: Former RKO Cleaners | Date Drilled: August 3, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: M. Passaretti

Drilling Method: Hollow Stem Auger (Dia): 4-1/4" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 16' (Dia): 8" | Sampled TD: 20' (Dia): 2"

Well TD: 16' (Dia): 2" | Well Type: Monitoring Well

Screen Interval: 6.0' - 16' | Slot Size: # 10 Slot | Diameter: 2.0-inch

Cased Interval: 0.5' - 6.0' | Type: PVC | Diameter: 2.0-inch

Sand Pack Interval: 4.0' - 16' | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: 2.0' - 4.0' | Type: Granular Bentonite | Grouted Interval: N/A

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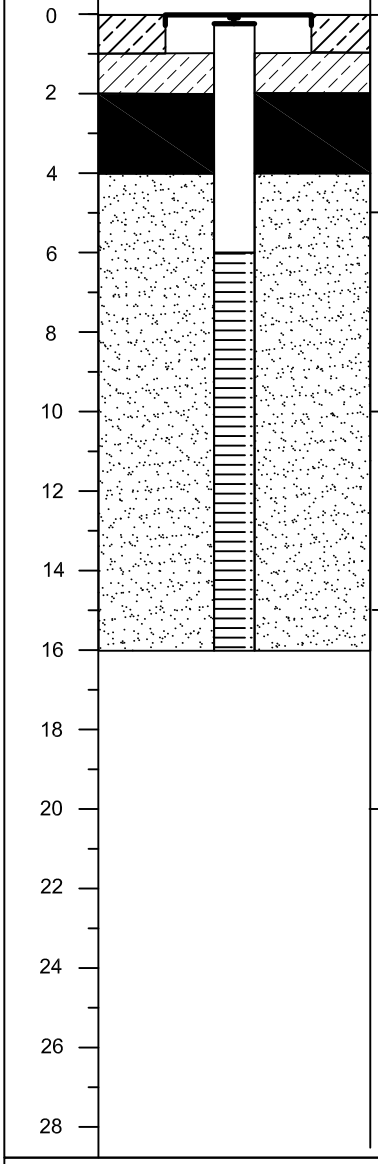
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				
2		Hand dig to 4.5' to pre-clear utilities		0.0' - 7.5' (+/-) Brown Clay, some silt No odor
4				No odor
6		S-1: (5.0' - 10') Rec: 5.0' / 5.0'	0.2	grades to Silt and Clay ~ 7.5' No odor (Clay)
8			0.7	7.5' - EOB Gray Silt and Clay 7.5' Wet @ ~9'
10		S-2: (10' - 15') Rec: 4.5' / 5.0'	0.1	No odor
12				
14			0.2	No odor
16		S-3: (15' - 20') Rec: 5.0' / 5.0'	0.1	No odor
18				
20			0.0	No odor (Silt and Clay)
22				Sampling terminated @ 20'. Advanced augers to 16' and installed 10' of #10 slot PVC screen and riser to grade. 20'
24				
26				
28				

WELL / BORING NO. **MW-5**

Site Name: Former RKO Cleaners | Date Drilled: August 2 & 6, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Hollow Stem Auger (Dia): 4-1/4" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 16' (Dia): 8" | Sampled TD: 20' (Dia): 2"

Well TD: 16' (Dia): 2" | Well Type: Monitoring Well

Screen Interval: 6.0' - 16' | Slot Size: # 10 Slot | Diameter: 2.0-inch

Cased Interval: 0.5' - 6.0' | Type: PVC | Diameter: 2.0-inch

Sand Pack Interval: 4.5' - 16' | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: 1.0' - 4.5' | Type: Granular Bentonite | Grouted Interval: N/A

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Aztech Technologies, Inc.

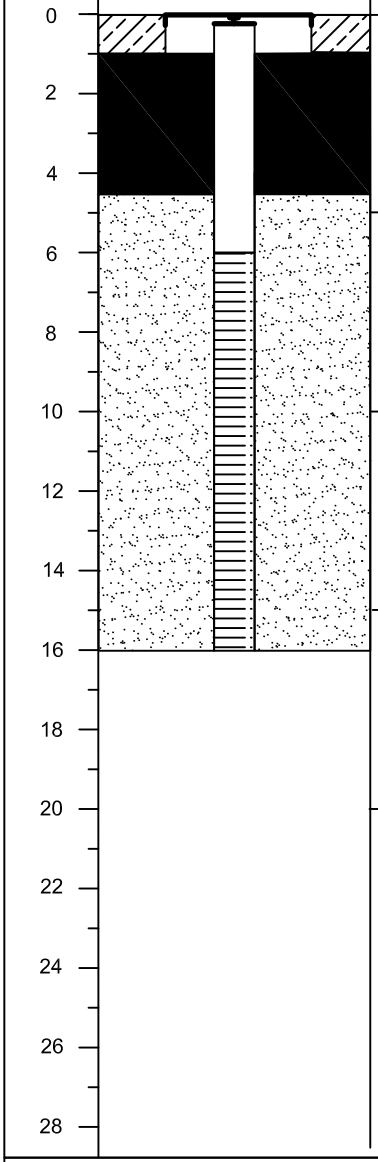
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				
		Hand dig to 4.5' to pre-clear utilities		0.0' - 8.0' Brown Clay, some silt No odor
4			0.1	No odor
6		S-1: (5.0' - 10') Rec: 5.0' / 5.0'	0.3	No odor (Clay)
8			0.6 ▼	8.0' 8.0' - EOB Gray Silt and Clay Wet @ ~9'
10				
12		S-2: (10' - 15') Rec: 5.0' / 5.0'	0.6	No odor
14			0.7	No odor
16		S-3: (15' - 20') Rec: 5.0' / 5.0'	1.4	No odor
18				
20			1.3	No odor (Silt and Clay) 20' Sampling terminated @ 20'. Advanced augers to 16' and installed 10' of #10 slot PVC screen and riser to grade.
22				
24				
26				
28				

WELL / BORING NO. **SV-1**

Site Name: Former RKO Cleaners | Date Drilled: August 2, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Direct Push (Dia): 2" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 10' (Dia): 2" | Sampled TD: 10' (Dia): 2"

Well TD: 7.5' (Dia): 1/4" | Well Type: Soil Vapor Sampling Point

Screen Interval: See Well Construction | Slot Size: NA | Diameter: NA

Cased Interval: See Well Construction | Type: teflon-lined silicone tubing | Diameter: 1/4"

Sand Pack Interval: See Well Construction | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: See Well Construction | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztech Technologies, Inc.

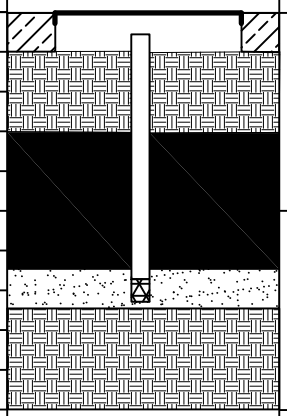
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
			Soil description from SB-1
0 - 7.3'	Hand dig to 4.5' to pre-clear utilities	0.5	Brown Clay; plastic; moist No odor No odor color change to gray ~5' (Clay)
7.3' - EOB	S-1: (5.0' - 10') Rec: 5.0' / 5.0'	0.7 ▼ 0.8	Gray Silt and Clay; soft; wet 7.3' No odor (Silt and Clay)
			Sampling terminated @ 10'. Tooling removed to 7.5'; borehole collapsed. 10' Soil vapor point constructed of 6" length SS wire mesh screen and 1/4" diameter teflon-lined silicone tubing.

WELL / BORING NO. **SV-2**

Site Name: Former RKO Cleaners | Date Drilled: August 2 & 6, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: R. Hoose

Drilling Method: Direct Push (Dia): 2" | Sampling Method: Hard Point (Dia): 2"

Drilled TD: 6.0' (Dia): 2" | Sampled TD: NA (Dia): NA

Well TD: 5.75' (Dia): 1/4" | Well Type: Soil Vapor Sampling Point

Screen Interval: See Well Construction | Slot Size: NA | Diameter: NA

Cased Interval: See Well Construction | Type: teflon-lined silicone tubing | Diameter: 1/4"

Sand Pack Interval: See Well Construction | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: See Well Construction | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztech Technologies, Inc.

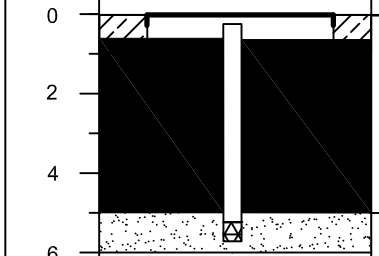
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				Soil description from MW-2
2		Hand dig to 4.5' to pre-clear utilities		0.0' - 5.0' Brown Clay; stiff No odor
4			0.2	No odor (Clay)
6		S-1: (5.0' - 10') Rec: 5.0' / 5.0'		5.0' - EOB Tan, very fine Sand and Silt; wet; Fill 5.0' No odor (Fill)
8				6.0' Advanced hard point/tooling to 6.0'. Installed soil vapor sampling point. Soil vapor point constructed of 6" length SS wire mesh screen and 1/4" diameter teflon-lined silicone tubing.
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				

WELL / BORING NO. **SV-3**

Site Name: Former RKO Cleaners | Date Drilled: August 3, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztech Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: M. Passaretti

Drilling Method: Direct Push (Dia): 2" | Sampling Method: Hard Point (Dia): 2"

Drilled TD: 7.5' (Dia): 2" | Sampled TD: NA (Dia): NA

Well TD: 7.0' (Dia): 1/4" | Well Type: Soil Vapor Sampling Point

Screen Interval: See Well Construction | Slot Size: NA | Diameter: NA

Cased Interval: See Well Construction | Type: teflon-lined silicone tubing | Diameter: 1/4"

Sand Pack Interval: See Well Construction | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: See Well Construction | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztech Technologies, Inc.

5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:

Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
				Soil description from MW-3
0				0.0' - EOB Brown fine to coarse Sand and fine Gravel; Dry
2		Hand dig to 4.5' to pre-clear utilities		No odor
4				
6		S-1: (5.0' - 10')		No odor (Fill)
8		Rec: 2.0' / 5.0'	0.4	7.5'
10				Advanced hard point/tooling to 7.5'. Installed soil vapor sampling point. Soil vapor point constructed of 6" length SS wire mesh screen and 1/4" diameter teflon-lined silicone tubing.
12				
14				
16				
18				
20				
22				
24				
26				
28				

WELL / BORING NO. **SV-4**

Site Name: Former RKO Cleaners | Date Drilled: August 3, 2012

Location: 566 Washington Ave, Albany, NY | Drilling Co.: Aztec Technologies, Inc.

Client: NYSDEC - Central Office | Driller: R. Hammond

Phone No.: | Logged by: M. Passaretti

Drilling Method: Direct Push (Dia): 2" | Sampling Method: Direct Push (Dia): 2"

Drilled TD: 20' (Dia): 2" | Sampled TD: 20' (Dia): NA

Well TD: 6.0' (Dia): 1/4" | Well Type: Soil Vapor Sampling Point

Screen Interval: See Well Construction | Slot Size: NA | Diameter: NA

Cased Interval: See Well Construction | Type: teflon-lined silicone tubing | Diameter: 1/4"

Sand Pack Interval: See Well Construction | Type: # 0 | Wellhead Prot: Flush Mount Road Box

Bentonite Seal Interval: See Well Construction | Type: Granular Bentonite | Grouted Interval: N/A

Remediation Solutions ● Environmental Consulting ● Drilling Applications

Aztec Technologies, Inc.

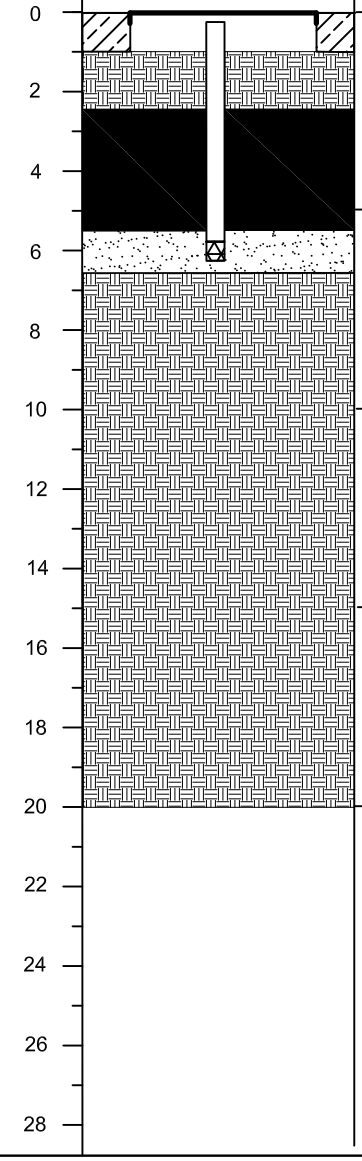
5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 I f 518.885.5385
info@aztechtech.com I www.aztechtech.com

Woman Owned Business

KEY:

Bentonite | Native Soil | Screen | pvc Riser | 0 Sand | Concrete | Grip Cap

SITE PLAN:



Depth	Well Construction	Sample: Recovery: Blows	PID (ppm):	Description / Soil Classification
0				0.0' - 1.0' Crusher Run/Gravel Fill
2		S-1: (0.0' - 5.0') Rec: 4.0' / 5.0'	0.0	1.0' - 7.5' (+/-) Brown Clay, some silt No odor
4			0.0	No odor
6		S-2: (5.0' - 10') Rec: 5.0' / 5.0'	0.0	grades to Silt and Clay ~ 7.5' No odor (Clay)
8				7.5' - EOB Brown Silt and Clay 7.5' Wet @ ~8'-9'
10			0.0	
12		S-3: (10' - 15') Rec: 5.0' / 5.0'	0.0	color change to gray ~12' No odor
14			0.3	No odor intermittent water-bearing silt layers
16		S-4: (15' - 20') Rec: 5.0' / 5.0'	0.6	No odor
18				
20			0.7	No odor (Silt and Clay)
22				20' Sampling terminated @ 20'. Pulled tooling back to 6.5'; borehole collapsed. Soil vapor point constructed of 6" length SS wire mesh screen and 1/4" diameter teflon-lined silicone tubing.
24				
26				
28				

ATTACHMENT C

LABORATORY ANALYTICAL REPORT

SOIL SAMPLES COLLECED DURING THE DRILLING PROGRAM

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: 480-23704-1
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:
8/14/2012 2:03:13 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
8/14/2012 2:03:13 PM

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-23704-1

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.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD 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)

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

TestAmerica Job ID: 480-23704-1

Job ID: 480-23704-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-23704-1

Comments
No additional comments.

Receipt
The samples were received on 8/9/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 75983 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 75983 was outside control limits.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: MW-4-20 — Lab Sample ID: 480-23704-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J	33	5.5	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: MW-3-8-9 — Lab Sample ID: 480-23704-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.9		1.0	0.70	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: MW-3-20 — Lab Sample ID: 480-23704-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	34	5.7	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: MW-4-9-10 — Lab Sample ID: 480-23704-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	30	5.0	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: SV-4-8-9 — Lab Sample ID: 480-23704-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7	J	32	5.4	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	13		1.3	0.86	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: SV-4-20 — Lab Sample ID: 480-23704-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.1	J	32	5.3	ug/Kg	1	☼	8260B	Total/NA

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: MW-4-20
Date Collected: 08/03/12 08:40
Date Received: 08/09/12 09:00

Lab Sample ID: 480-23704-1
Matrix: Solid
Percent Solids: 73.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.48	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,1,2-Trichloroethane	ND		1.3	0.86	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.6	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,1-Dichloroethane	ND		1.3	0.80	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,1-Dichloroethene	ND		1.3	0.81	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2,4-Trichlorobenzene	ND		1.3	0.40	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.3	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2-Dibromoethane	ND		1.3	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2-Dichlorobenzene	ND		1.3	0.51	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2-Dichloroethane	ND		1.3	0.33	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,2-Dichloropropane	ND		1.3	3.3	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,3-Dichlorobenzene	ND		1.3	0.34	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
1,4-Dichlorobenzene	ND		1.3	0.92	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
2-Hexanone	ND		33	3.3	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
2-Butanone (MEK)	ND		33	2.4	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Acetone	**7.2**	**J**	33	5.5	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Benzene	ND		1.3	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Bromodichloromethane	ND		1.3	0.88	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Bromoform	ND		1.3	3.3	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Bromomethane	ND		1.3	0.59	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Carbon disulfide	ND		6.6	3.3	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Carbon tetrachloride	ND		1.3	0.64	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Chlorobenzene	ND		1.3	0.87	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Dibromochloromethane	ND		1.3	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Chloroethane	ND		1.3	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Chloroform	ND		1.3	0.41	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Chloromethane	ND		1.3	0.40	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
cis-1,2-Dichloroethene	ND		1.3	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
cis-1,3-Dichloropropene	ND		1.3	0.95	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Cyclohexane	ND		6.6	0.92	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Dichlorodifluoromethane	ND		1.3	0.54	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Ethylbenzene	ND		1.3	0.45	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Isopropylbenzene	ND		1.3	0.99	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Methyl acetate	ND		6.6	1.2	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Methyl tert-butyl ether	ND		1.3	0.65	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Methylcyclohexane	ND		6.6	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Methylene Chloride	ND		1.3	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Styrene	ND		1.3	0.33	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Tetrachloroethene	ND		1.3	0.88	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Toluene	ND		1.3	0.50	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
trans-1,2-Dichloroethene	ND		1.3	0.68	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
trans-1,3-Dichloropropene	ND		1.3	2.9	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Trichlorofluoromethane	ND		1.3	0.62	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Vinyl chloride	ND		1.3	0.80	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1
Xylenes, Total	ND		2.6	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 05:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 05:35*	*1*

Client Sample ID: MW-4-20

Lab Sample ID: 480-23704-1

Date Collected: 08/03/12 08:40
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 73.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*84*		*64 - 126*	*08/09/12 22:47*	*08/10/12 05:35*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*08/09/12 22:47*	*08/10/12 05:35*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 126*	*08/09/12 22:47*	*08/10/12 05:35*	*1*

Client Sample ID: MW-3-8-9

Lab Sample ID: 480-23704-2

Date Collected: 08/03/12 09:00
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 95.7

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	0.38	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,1,2-Trichloroethane	ND		1.0	0.68	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,1-Dichloroethane	ND		1.0	0.63	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,1-Dichloroethene	ND		1.0	0.64	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2-Dibromoethane	ND		1.0	0.67	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2-Dichlorobenzene	ND		1.0	0.41	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2-Dichloroethane	ND		1.0	0.26	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,2-Dichloropropane	ND		1.0	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,3-Dichlorobenzene	ND		1.0	0.27	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
1,4-Dichlorobenzene	ND		1.0	0.73	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Acetone	ND		26	4.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Benzene	ND		1.0	0.25	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Bromodichloromethane	ND		1.0	0.70	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Bromoform	ND		1.0	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Bromomethane	ND		1.0	0.47	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Carbon tetrachloride	ND		1.0	0.50	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Chlorobenzene	ND		1.0	0.69	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Dibromochloromethane	ND		1.0	0.66	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Chloroethane	ND		1.0	1.2	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Chloroform	ND		1.0	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Chloromethane	ND		1.0	0.31	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
cis-1,2-Dichloroethene	ND		1.0	0.66	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
cis-1,3-Dichloropropene	ND		1.0	0.75	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Dichlorodifluoromethane	ND		1.0	0.43	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Ethylbenzene	ND		1.0	0.36	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Isopropylbenzene	ND		1.0	0.78	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Methyl acetate	ND		5.2	0.97	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Methyl tert-butyl ether	ND		1.0	0.51	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Methylcyclohexane	ND		5.2	0.79	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Methylene Chloride	ND		1.0	2.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Styrene	ND		1.0	0.26	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Tetrachloroethene	**4.9**		1.0	0.70	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Toluene	ND		1.0	0.39	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: MW-3-8-9

Lab Sample ID: 480-23704-2

Date Collected: 08/03/12 09:00
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.54	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
trans-1,3-Dichloropropene	ND		1.0	2.3	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Trichloroethene	ND		1.0	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Trichlorofluoromethane	ND		1.0	0.49	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Vinyl chloride	ND		1.0	0.63	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1
Xylenes, Total	ND		2.1	0.87	ug/Kg	☼	08/09/12 22:47	08/10/12 06:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 06:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 126*	*08/09/12 22:47*	*08/10/12 06:01*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*08/09/12 22:47*	*08/10/12 06:01*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*08/09/12 22:47*	*08/10/12 06:01*	*1*

Client Sample ID: MW-3-20

Lab Sample ID: 480-23704-3

Date Collected: 08/03/12 09:15
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 72.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.49	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,1,2-Trichloroethane	ND		1.4	0.88	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,1-Dichloroethane	ND		1.4	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,1-Dichloroethene	ND		1.4	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2,4-Trichlorobenzene	ND		1.4	0.41	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2-Dibromo-3-Chloropropane	ND		1.4	3.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2-Dibromoethane	ND		1.4	0.87	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2-Dichlorobenzene	ND		1.4	0.53	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2-Dichloroethane	ND		1.4	0.34	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,2-Dichloropropane	ND		1.4	3.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,3-Dichlorobenzene	ND		1.4	0.35	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
1,4-Dichlorobenzene	ND		1.4	0.95	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
2-Butanone (MEK)	ND		34	2.5	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Acetone	**5.8**	**J**	34	5.7	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Benzene	ND		1.4	0.33	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Bromodichloromethane	ND		1.4	0.91	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Bromoform	ND		1.4	3.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Bromomethane	ND		1.4	0.61	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Carbon disulfide	ND		6.8	3.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Carbon tetrachloride	ND		1.4	0.66	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Chlorobenzene	ND		1.4	0.90	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Dibromochloromethane	ND		1.4	0.87	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Chloroethane	ND		1.4	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Chloroform	ND		1.4	0.42	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Chloromethane	ND		1.4	0.41	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
cis-1,2-Dichloroethene	ND		1.4	0.87	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
cis-1,3-Dichloropropene	ND		1.4	0.98	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1

Client Sample ID: MW-3-20

Lab Sample ID: 480-23704-3

Date Collected: 08/03/12 09:15
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 72.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		6.8	0.95	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Dichlorodifluoromethane	ND		1.4	0.56	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Ethylbenzene	ND		1.4	0.47	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Isopropylbenzene	ND		1.4	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Methyl acetate	ND		6.8	1.3	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Methyl tert-butyl ether	ND		1.4	0.67	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Methylcyclohexane	ND		6.8	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Methylene Chloride	ND		1.4	3.1	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Styrene	ND		1.4	0.34	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Tetrachloroethene	ND		1.4	0.91	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Toluene	ND		1.4	0.51	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
trans-1,2-Dichloroethene	ND		1.4	0.70	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
trans-1,3-Dichloropropene	ND		1.4	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Trichloroethene	ND		1.4	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Trichlorofluoromethane	ND		1.4	0.64	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Vinyl chloride	ND		1.4	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1
Xylenes, Total	ND		2.7	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 06:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 06:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*64 - 126*	*08/09/12 22:47*	*08/10/12 06:26*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*08/09/12 22:47*	*08/10/12 06:26*	*1*
4-Bromofluorobenzene (Surr)	*79*		*72 - 126*	*08/09/12 22:47*	*08/10/12 06:26*	*1*

Client Sample ID: MW-4-9-10

Lab Sample ID: 480-23704-4

Date Collected: 08/03/12 08:20
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 82.6

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	0.43	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,1,2,2-Tetrachloroethane	ND		1.2	0.96	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,1,2-Trichloroethane	ND		1.2	0.77	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,1-Dichloroethane	ND		1.2	0.72	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,1-Dichloroethene	ND		1.2	0.73	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2,4-Trichlorobenzene	ND		1.2	0.36	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2-Dibromo-3-Chloropropane	ND		1.2	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2-Dibromoethane	ND		1.2	0.76	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2-Dichlorobenzene	ND		1.2	0.46	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2-Dichloroethane	ND		1.2	0.30	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,2-Dichloropropane	ND		1.2	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,3-Dichlorobenzene	ND		1.2	0.31	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
1,4-Dichlorobenzene	ND		1.2	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
2-Hexanone	ND		30	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
4-Methyl-2-pentanone (MIBK)	ND		30	1.9	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Acetone	**12**	**J**	30	5.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Benzene	ND		1.2	0.29	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Bromodichloromethane	ND		1.2	0.80	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: MW-4-9-10

Lab Sample ID: 480-23704-4

Date Collected: 08/03/12 08:20
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.2	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Bromomethane	ND		1.2	0.53	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Carbon disulfide	ND		5.9	3.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Carbon tetrachloride	ND		1.2	0.57	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Chlorobenzene	ND		1.2	0.78	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Dibromochloromethane	ND		1.2	0.76	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Chloroethane	ND		1.2	1.3	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Chloroform	ND		1.2	0.37	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Chloromethane	ND		1.2	0.36	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
cis-1,2-Dichloroethene	ND		1.2	0.76	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
cis-1,3-Dichloropropene	ND		1.2	0.85	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Cyclohexane	ND		5.9	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Dichlorodifluoromethane	ND		1.2	0.49	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Ethylbenzene	ND		1.2	0.41	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Isopropylbenzene	ND		1.2	0.89	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Methyl tert-butyl ether	ND		1.2	0.58	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Methylcyclohexane	ND		5.9	0.90	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Methylene Chloride	ND		1.2	2.7	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Styrene	ND		1.2	0.30	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Tetrachloroethene	ND		1.2	0.80	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Toluene	ND		1.2	0.45	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
trans-1,2-Dichloroethene	ND		1.2	0.61	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
trans-1,3-Dichloropropene	ND		1.2	2.6	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Trichloroethene	ND		1.2	1.3	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Trichlorofluoromethane	ND		1.2	0.56	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Vinyl chloride	ND		1.2	0.72	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1
Xylenes, Total	ND		2.4	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 06:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 06:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*64 - 126*	*08/09/12 22:47*	*08/10/12 06:52*	*1*
Toluene-d8 (Surr)	*90*		*71 - 125*	*08/09/12 22:47*	*08/10/12 06:52*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*08/09/12 22:47*	*08/10/12 06:52*	*1*

Client Sample ID: SV-4-8-9

Lab Sample ID: 480-23704-5

Date Collected: 08/03/12 13:15
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.46	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,1,2-Trichloroethane	ND		1.3	0.83	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,1-Dichloroethane	ND		1.3	0.78	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,1-Dichloroethene	ND		1.3	0.78	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,2,4-Trichlorobenzene	ND		1.3	0.39	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,2-Dibromoethane	ND		1.3	0.82	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: SV-4-8-9
Date Collected: 08/03/12 13:15
Date Received: 08/09/12 09:00

Lab Sample ID: 480-23704-5
Matrix: Solid
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.3	0.50	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,2-Dichloroethane	ND		1.3	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,2-Dichloropropane	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,3-Dichlorobenzene	ND		1.3	0.33	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
1,4-Dichlorobenzene	ND		1.3	0.89	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Acetone	**8.7**	**J**	32	5.4	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Benzene	ND		1.3	0.31	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Bromodichloromethane	ND		1.3	0.85	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Bromoform	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Bromomethane	ND		1.3	0.57	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Carbon disulfide	ND		6.4	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Carbon tetrachloride	ND		1.3	0.62	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Chlorobenzene	ND		1.3	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Dibromochloromethane	ND		1.3	0.82	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Chloroethane	ND		1.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Chloroform	ND		1.3	0.39	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Chloromethane	ND		1.3	0.39	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
cis-1,2-Dichloroethene	ND		1.3	0.82	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
cis-1,3-Dichloropropene	ND		1.3	0.92	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Cyclohexane	ND		6.4	0.89	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Dichlorodifluoromethane	ND		1.3	0.53	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Ethylbenzene	ND		1.3	0.44	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Isopropylbenzene	ND		1.3	0.96	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Methyl acetate	ND		6.4	1.2	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Methyl tert-butyl ether	ND		1.3	0.63	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Methylcyclohexane	ND		6.4	0.97	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Methylene Chloride	ND		1.3	2.9	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Styrene	ND		1.3	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Tetrachloroethene	**13**		1.3	0.86	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Toluene	ND		1.3	0.48	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
trans-1,2-Dichloroethene	ND		1.3	0.66	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
trans-1,3-Dichloropropene	ND		1.3	2.8	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Trichlorofluoromethane	ND		1.3	0.60	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Vinyl chloride	ND		1.3	0.78	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1
Xylenes, Total	ND		2.6	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 07:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 07:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 126*	*08/09/12 22:47*	*08/10/12 07:17*	*1*
Toluene-d8 (Surr)	*86*		*71 - 125*	*08/09/12 22:47*	*08/10/12 07:17*	*1*
4-Bromofluorobenzene (Surr)	*83*		*72 - 126*	*08/09/12 22:47*	*08/10/12 07:17*	*1*

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: SV-4-20
Date Collected: 08/03/12 14:05
Date Received: 08/09/12 09:00

Lab Sample ID: 480-23704-6
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.46	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.0	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,1,2-Trichloroethane	ND		1.3	0.82	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,1-Dichloroethane	ND		1.3	0.77	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,1-Dichloroethene	ND		1.3	0.77	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2,4-Trichlorobenzene	ND		1.3	0.38	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2-Dibromoethane	ND		1.3	0.81	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2-Dichlorobenzene	ND		1.3	0.49	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2-Dichloroethane	ND		1.3	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,2-Dichloropropane	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,3-Dichlorobenzene	ND		1.3	0.33	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
1,4-Dichlorobenzene	ND		1.3	0.89	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Acetone	**9.1**	**J**	32	5.3	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Benzene	ND		1.3	0.31	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Bromodichloromethane	ND		1.3	0.85	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Bromoform	ND		1.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Bromomethane	ND		1.3	0.57	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Carbon disulfide	ND		6.3	3.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Carbon tetrachloride	ND		1.3	0.61	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Chlorobenzene	ND		1.3	0.84	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Dibromochloromethane	ND		1.3	0.81	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Chloroethane	ND		1.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Chloroform	ND		1.3	0.39	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Chloromethane	ND		1.3	0.38	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
cis-1,2-Dichloroethene	ND		1.3	0.81	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
cis-1,3-Dichloropropene	ND		1.3	0.91	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Cyclohexane	ND		6.3	0.89	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Dichlorodifluoromethane	ND		1.3	0.52	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Ethylbenzene	ND		1.3	0.44	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Isopropylbenzene	ND		1.3	0.95	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Methyl acetate	ND		6.3	1.2	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Methyl tert-butyl ether	ND		1.3	0.62	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Methylcyclohexane	ND		6.3	0.96	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Methylene Chloride	ND		1.3	2.9	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Styrene	ND		1.3	0.32	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Tetrachloroethene	ND		1.3	0.85	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Toluene	ND		1.3	0.48	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
trans-1,2-Dichloroethene	ND		1.3	0.65	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
trans-1,3-Dichloropropene	ND		1.3	2.8	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Trichlorofluoromethane	ND		1.3	0.60	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Vinyl chloride	ND		1.3	0.77	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1
Xylenes, Total	ND		2.5	1.1	ug/Kg	☼	08/09/12 22:47	08/10/12 08:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/09/12 22:47*	*08/10/12 08:33*	*1*

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: SV-4-20
Date Collected: 08/03/12 14:05
Date Received: 08/09/12 09:00

Lab Sample ID: 480-23704-6
Matrix: Solid
Percent Solids: 77.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		64 - 126	08/09/12 22:47	08/10/12 08:33	1
Toluene-d8 (Surr)	88		71 - 125	08/09/12 22:47	08/10/12 08:33	1
4-Bromofluorobenzene (Surr)	81		72 - 126	08/09/12 22:47	08/10/12 08:33	1

Surrogate Summary

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

TestAmerica Job ID: 480-23704-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)
480-23704-1	MW-4-20	84	88	81
480-23704-2	MW-3-8-9	87	88	85
480-23704-3	MW-3-20	84	88	79
480-23704-4	MW-4-9-10	89	90	85
480-23704-5	SV-4-8-9	88	86	83
480-23704-5 MS	SV-4-8-9	72	92	74
480-23704-5 MSD	SV-4-8-9	77	92	77
480-23704-6	SV-4-20	85	88	81
LCS 480-75983/4	Lab Control Sample	86	89	86
MB 480-75983/5	Method Blank	83	87	83

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

TestAmerica Job ID: 480-23704-1

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

Lab Sample ID: MB 480-75983/5
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.36	ug/Kg			08/10/12 01:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.81	ug/Kg			08/10/12 01:36	1
1,1,2-Trichloroethane	ND		1.0	0.65	ug/Kg			08/10/12 01:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			08/10/12 01:36	1
1,1-Dichloroethane	ND		1.0	0.61	ug/Kg			08/10/12 01:36	1
1,1-Dichloroethene	ND		1.0	0.61	ug/Kg			08/10/12 01:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.30	ug/Kg			08/10/12 01:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	2.5	ug/Kg			08/10/12 01:36	1
1,2-Dibromoethane	ND		1.0	0.64	ug/Kg			08/10/12 01:36	1
1,2-Dichlorobenzene	ND		1.0	0.39	ug/Kg			08/10/12 01:36	1
1,2-Dichloroethane	ND		1.0	0.25	ug/Kg			08/10/12 01:36	1
1,2-Dichloropropane	ND		1.0	2.5	ug/Kg			08/10/12 01:36	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/Kg			08/10/12 01:36	1
1,4-Dichlorobenzene	ND		1.0	0.70	ug/Kg			08/10/12 01:36	1
2-Hexanone	ND		25	2.5	ug/Kg			08/10/12 01:36	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			08/10/12 01:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			08/10/12 01:36	1
Acetone	ND		25	4.2	ug/Kg			08/10/12 01:36	1
Benzene	ND		1.0	0.25	ug/Kg			08/10/12 01:36	1
Bromodichloromethane	ND		1.0	0.67	ug/Kg			08/10/12 01:36	1
Bromoform	ND		1.0	2.5	ug/Kg			08/10/12 01:36	1
Bromomethane	ND		1.0	0.45	ug/Kg			08/10/12 01:36	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			08/10/12 01:36	1
Carbon tetrachloride	ND		1.0	0.48	ug/Kg			08/10/12 01:36	1
Chlorobenzene	ND		1.0	0.66	ug/Kg			08/10/12 01:36	1
Dibromochloromethane	ND		1.0	0.64	ug/Kg			08/10/12 01:36	1
Chloroethane	ND		1.0	1.1	ug/Kg			08/10/12 01:36	1
Chloroform	ND		1.0	0.31	ug/Kg			08/10/12 01:36	1
Chloromethane	ND		1.0	0.30	ug/Kg			08/10/12 01:36	1
cis-1,2-Dichloroethene	ND		1.0	0.64	ug/Kg			08/10/12 01:36	1
cis-1,3-Dichloropropene	ND		1.0	0.72	ug/Kg			08/10/12 01:36	1
Cyclohexane	ND		5.0	0.70	ug/Kg			08/10/12 01:36	1
Dichlorodifluoromethane	ND		1.0	0.41	ug/Kg			08/10/12 01:36	1
Ethylbenzene	ND		1.0	0.35	ug/Kg			08/10/12 01:36	1
Isopropylbenzene	ND		1.0	0.75	ug/Kg			08/10/12 01:36	1
Methyl acetate	ND		5.0	0.93	ug/Kg			08/10/12 01:36	1
Methyl tert-butyl ether	ND		1.0	0.49	ug/Kg			08/10/12 01:36	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			08/10/12 01:36	1
Methylene Chloride	ND		1.0	2.3	ug/Kg			08/10/12 01:36	1
Styrene	ND		1.0	0.25	ug/Kg			08/10/12 01:36	1
Tetrachloroethene	ND		1.0	0.67	ug/Kg			08/10/12 01:36	1
Toluene	ND		1.0	0.38	ug/Kg			08/10/12 01:36	1
trans-1,2-Dichloroethene	ND		1.0	0.52	ug/Kg			08/10/12 01:36	1
trans-1,3-Dichloropropene	ND		1.0	2.2	ug/Kg			08/10/12 01:36	1
Trichloroethene	ND		1.0	1.1	ug/Kg			08/10/12 01:36	1
Trichlorofluoromethane	ND		1.0	0.47	ug/Kg			08/10/12 01:36	1
Vinyl chloride	ND		1.0	0.61	ug/Kg			08/10/12 01:36	1
Xylenes, Total	ND		2.0	0.84	ug/Kg			08/10/12 01:36	1

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

Lab Sample ID: MB 480-75983/5
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					08/10/12 01:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		64 - 126		08/10/12 01:36	1
Toluene-d8 (Surr)	87		71 - 125		08/10/12 01:36	1
4-Bromofluorobenzene (Surr)	83		72 - 126		08/10/12 01:36	1

Lab Sample ID: LCS 480-75983/4
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	45.5		ug/Kg		91	79 - 126
1,1-Dichloroethene	50.0	38.6		ug/Kg		77	65 - 153
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	75 - 120
1,2-Dichloroethane	50.0	47.6		ug/Kg		95	77 - 122
Benzene	50.0	47.1		ug/Kg		94	79 - 127
Chlorobenzene	50.0	47.2		ug/Kg		94	76 - 124
cis-1,2-Dichloroethene	50.0	46.3		ug/Kg		93	81 - 117
Ethylbenzene	50.0	46.8		ug/Kg		94	80 - 120
Methyl tert-butyl ether	50.0	45.8		ug/Kg		92	63 - 125
Tetrachloroethene	50.0	46.5		ug/Kg		93	74 - 122
Toluene	50.0	45.8		ug/Kg		92	74 - 128
trans-1,2-Dichloroethene	50.0	47.0		ug/Kg		94	78 - 126
Trichloroethene	50.0	45.9		ug/Kg		92	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		64 - 126
Toluene-d8 (Surr)	89		71 - 125
4-Bromofluorobenzene (Surr)	86		72 - 126

Lab Sample ID: 480-23704-5 MS
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: SV-4-8-9
Prep Type: Total/NA
Prep Batch: 75991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		63.6	37.9	F	ug/Kg	☼	60	79 - 126
1,1-Dichloroethene	ND		63.6	34.5	F	ug/Kg	☼	54	65 - 153
1,2-Dichlorobenzene	ND		63.6	7.21	F	ug/Kg	☼	11	75 - 120
1,2-Dichloroethane	ND		63.6	29.2	F	ug/Kg	☼	46	77 - 122
Benzene	ND		63.6	32.1	F	ug/Kg	☼	50	79 - 127
Chlorobenzene	ND		63.6	15.0	F	ug/Kg	☼	24	76 - 124
cis-1,2-Dichloroethene	ND		63.6	33.4	F	ug/Kg	☼	52	81 - 117
Ethylbenzene	ND		63.6	12.6	F	ug/Kg	☼	20	80 - 120
Methyl tert-butyl ether	ND		63.6	42.3		ug/Kg	☼	66	63 - 125
Tetrachloroethene	13		63.6	17.0	F	ug/Kg	☼	7	74 - 122
Toluene	ND		63.6	20.8	F	ug/Kg	☼	33	74 - 128
trans-1,2-Dichloroethene	ND		63.6	32.0	F	ug/Kg	☼	50	78 - 126
Trichloroethene	ND		63.6	21.2	F	ug/Kg	☼	33	77 - 129

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

Lab Sample ID: 480-23704-5 MS
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: SV-4-8-9
Prep Type: Total/NA
Prep Batch: 75991

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*72*		*64 - 126*
Toluene-d8 (Surr)	*92*		*71 - 125*
4-Bromofluorobenzene (Surr)	*74*		*72 - 126*

Lab Sample ID: 480-23704-5 MSD
Matrix: Solid
Analysis Batch: 75983

Client Sample ID: SV-4-8-9
Prep Type: Total/NA
Prep Batch: 75991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		64.4	38.3	F	ug/Kg	☼	59	79 - 126	1	30
1,1-Dichloroethene	ND		64.4	32.4	F	ug/Kg	☼	50	65 - 153	6	30
1,2-Dichlorobenzene	ND		64.4	2.20	F	ug/Kg	☼	3	75 - 120	106	30
1,2-Dichloroethane	ND		64.4	26.4	F	ug/Kg	☼	41	77 - 122	10	30
Benzene	ND		64.4	29.8	F	ug/Kg	☼	46	79 - 127	7	30
Chlorobenzene	ND		64.4	6.79	F	ug/Kg	☼	11	76 - 124	75	30
cis-1,2-Dichloroethene	ND		64.4	30.3	F	ug/Kg	☼	47	81 - 117	10	30
Ethylbenzene	ND		64.4	5.89	F	ug/Kg	☼	9	80 - 120	73	30
Methyl tert-butyl ether	ND		64.4	43.5		ug/Kg	☼	68	63 - 125	3	30
Tetrachloroethene	13		64.4	11.5	F	ug/Kg	☼	-2	74 - 122	39	30
Toluene	ND		64.4	13.2	F	ug/Kg	☼	21	74 - 128	44	30
trans-1,2-Dichloroethene	ND		64.4	28.2	F	ug/Kg	☼	44	78 - 126	12	30
Trichloroethene	ND		64.4	15.2	F	ug/Kg	☼	24	77 - 129	33	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*77*		*64 - 126*
Toluene-d8 (Surr)	*92*		*71 - 125*
4-Bromofluorobenzene (Surr)	*77*		*72 - 126*

QC Association Summary

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

TestAmerica Job ID: 480-23704-1

GC/MS VOA

Analysis Batch: 75983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23704-1	MW-4-20	Total/NA	Solid	8260B	75991
480-23704-2	MW-3-8-9	Total/NA	Solid	8260B	75991
480-23704-3	MW-3-20	Total/NA	Solid	8260B	75991
480-23704-4	MW-4-9-10	Total/NA	Solid	8260B	75991
480-23704-5	SV-4-8-9	Total/NA	Solid	8260B	75991
480-23704-5 MS	SV-4-8-9	Total/NA	Solid	8260B	75991
480-23704-5 MSD	SV-4-8-9	Total/NA	Solid	8260B	75991
480-23704-6	SV-4-20	Total/NA	Solid	8260B	75991
LCS 480-75983/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-75983/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 75991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23704-1	MW-4-20	Total/NA	Solid	5035	
480-23704-2	MW-3-8-9	Total/NA	Solid	5035	
480-23704-3	MW-3-20	Total/NA	Solid	5035	
480-23704-4	MW-4-9-10	Total/NA	Solid	5035	
480-23704-5	SV-4-8-9	Total/NA	Solid	5035	
480-23704-5 MS	SV-4-8-9	Total/NA	Solid	5035	
480-23704-5 MSD	SV-4-8-9	Total/NA	Solid	5035	
480-23704-6	SV-4-20	Total/NA	Solid	5035	

General Chemistry

Analysis Batch: 76167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23704-1	MW-4-20	Total/NA	Solid	Moisture	
480-23704-2	MW-3-8-9	Total/NA	Solid	Moisture	
480-23704-3	MW-3-20	Total/NA	Solid	Moisture	
480-23704-4	MW-4-9-10	Total/NA	Solid	Moisture	
480-23704-5	SV-4-8-9	Total/NA	Solid	Moisture	
480-23704-5 MS	SV-4-8-9	Total/NA	Solid	Moisture	
480-23704-5 MSD	SV-4-8-9	Total/NA	Solid	Moisture	
480-23704-6	SV-4-20	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: MW-4-20

Lab Sample ID: 480-23704-1

Date Collected: 08/03/12 08:40
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 05:35	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-3-8-9

Lab Sample ID: 480-23704-2

Date Collected: 08/03/12 09:00
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 06:01	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-3-20

Lab Sample ID: 480-23704-3

Date Collected: 08/03/12 09:15
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 72.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 06:26	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-4-9-10

Lab Sample ID: 480-23704-4

Date Collected: 08/03/12 08:20
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 06:52	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: SV-4-8-9

Lab Sample ID: 480-23704-5

Date Collected: 08/03/12 13:15
Matrix: Solid
Date Received: 08/09/12 09:00
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 07:17	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23704-1

Client Sample ID: SV-4-20
Date Collected: 08/03/12 14:05
Date Received: 08/09/12 09:00

Lab Sample ID: 480-23704-6
Matrix: Solid
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75991	08/09/12 22:47	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75983	08/10/12 08:33	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	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: 480-23704-1

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: 480-23704-1

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: 480-23704-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-23704-1	MW-4-20	Solid	08/03/12 08:40	08/09/12 09:00
480-23704-2	MW-3-8-9	Solid	08/03/12 09:00	08/09/12 09:00
480-23704-3	MW-3-20	Solid	08/03/12 09:15	08/09/12 09:00
480-23704-4	MW-4-9-10	Solid	08/03/12 08:20	08/09/12 09:00
480-23704-5	SV-4-8-9	Solid	08/03/12 13:15	08/09/12 09:00
480-23704-6	SV-4-20	Solid	08/03/12 14:05	08/09/12 09:00

Detection Limit Exceptions Summary

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

TestAmerica Job ID: 480-23704-1

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
8260B	Solid	1,1,1-Trichloroethane	ug/Kg	1.0	5
8260B	Solid	1,1,2,2-Tetrachloroethane	ug/Kg	1.0	5
8260B	Solid	1,1,2-Trichloroethane	ug/Kg	1.0	5
8260B	Solid	1,1-Dichloroethane	ug/Kg	1.0	5
8260B	Solid	1,1-Dichloroethene	ug/Kg	1.0	5
8260B	Solid	1,2,4-Trichlorobenzene	ug/Kg	1.0	5
8260B	Solid	1,2-Dibromo-3-Chloropropane	ug/Kg	1.0	5
8260B	Solid	1,2-Dibromoethane	ug/Kg	1.0	5
8260B	Solid	1,2-Dichlorobenzene	ug/Kg	1.0	5
8260B	Solid	1,2-Dichloroethane	ug/Kg	1.0	5
8260B	Solid	1,2-Dichloropropane	ug/Kg	1.0	5
8260B	Solid	1,3-Dichlorobenzene	ug/Kg	1.0	5
8260B	Solid	1,4-Dichlorobenzene	ug/Kg	1.0	5
8260B	Solid	Benzene	ug/Kg	1.0	5
8260B	Solid	Bromodichloromethane	ug/Kg	1.0	5
8260B	Solid	Bromoform	ug/Kg	1.0	5
8260B	Solid	Bromomethane	ug/Kg	1.0	5
8260B	Solid	Carbon tetrachloride	ug/Kg	1.0	5
8260B	Solid	Chlorobenzene	ug/Kg	1.0	5
8260B	Solid	Dibromochloromethane	ug/Kg	1.0	5
8260B	Solid	Chloroethane	ug/Kg	1.0	5
8260B	Solid	Chloroform	ug/Kg	1.0	5
8260B	Solid	Chloromethane	ug/Kg	1.0	5
8260B	Solid	cis-1,2-Dichloroethene	ug/Kg	1.0	5
8260B	Solid	cis-1,3-Dichloropropene	ug/Kg	1.0	5
8260B	Solid	Dichlorodifluoromethane	ug/Kg	1.0	5
8260B	Solid	Ethylbenzene	ug/Kg	1.0	5
8260B	Solid	Isopropylbenzene	ug/Kg	1.0	5
8260B	Solid	Methyl tert-butyl ether	ug/Kg	1.0	5
8260B	Solid	Methylene Chloride	ug/Kg	1.0	5
8260B	Solid	Styrene	ug/Kg	1.0	5
8260B	Solid	Tetrachloroethene	ug/Kg	1.0	5
8260B	Solid	Toluene	ug/Kg	1.0	5
8260B	Solid	trans-1,2-Dichloroethene	ug/Kg	1.0	5
8260B	Solid	trans-1,3-Dichloropropene	ug/Kg	1.0	5
8260B	Solid	Trichloroethene	ug/Kg	1.0	5
8260B	Solid	Trichlorofluoromethane	ug/Kg	1.0	5
8260B	Solid	Vinyl chloride	ug/Kg	1.0	5
8260B	Solid	Xylenes, Total	ug/Kg	2.0	10

Buffalo
10 Hazelwood Drive
#REF!
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) 402-9767 / (518) 885-5383	Lab Contact:	Carrier:	_____ of _____ COCs
625 Broadway / 5 McCrea Hill Rd	Analysis Turnaround Time			Job No.
Albany, NY / Ballston Spa, NY	Calendar (C) or Work Days (W) _____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below _____			SDG No.
FAX	☐ 2 weeks			
Project Name: Former RKO Dry Cleaners - Site Char.	☐ 1 week			
Site: Site # 401065; Site Characterization Callout #120963	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total VOCs (Full List) via 8260 + TICs	MS/MSD	Sample Specific Notes:
MW-4 - 20'	8/3/12	0840	GRAB	Soil	1		X		
MW-3 -8-9'	8/3/12	0900	GRAB	Soil	1		X		
MW-3 -20'	8/3/12	0915	GRAB	Soil	1		X		
MW-4 - 9-10'	8/3/12	0820	GRAB	Soil	1		X		
SV-4 8-9'	8/3/12	1315	GRAB	Soil	2		X	X	
SV-4 20'	8/3/12	1405	GRAB	Soil	1		X		
			TDL		8-8-12				

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	8/6/12 5pm		TA	8-8-12 1345
	TA	8-8-12 1700			8/9/12 0900
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:

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

7,8#3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-23704-1

Login Number: 23704

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.	False	
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: 480-23482-1
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

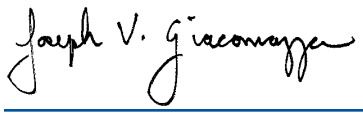
Joseph V. Giacomazza

Authorized for release by:
8/16/2012 5:00:04 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
8/16/2012 5:00:04 PM

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-23482-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

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.

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: 480-23482-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-23482-1

Receipt
The samples were received on 8/4/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
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: 480-23482-1

Client Sample ID: SB-1 @ 7.5'
Date Collected: 08/02/12 10:25
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-1
Matrix: Solid
Percent Solids: 77.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.46	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,1,2-Trichloroethane	ND		1.3	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,1-Dichloroethane	ND		1.3	0.77	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,1-Dichloroethene	ND		1.3	0.77	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2,4-Trichlorobenzene	ND		1.3	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2-Dibromoethane	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2-Dichlorobenzene	ND		1.3	0.49	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2-Dichloroethane	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,2-Dichloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,3-Dichlorobenzene	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
1,4-Dichlorobenzene	ND		1.3	0.88	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Acetone	**8.9**	**J**	32	5.3	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Benzene	ND		1.3	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Bromodichloromethane	ND		1.3	0.85	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Bromoform	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Bromomethane	ND		1.3	0.57	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Carbon disulfide	ND		6.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Carbon tetrachloride	ND		1.3	0.61	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Chlorobenzene	ND		1.3	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Dibromochloromethane	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Chloroethane	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Chloroform	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Chloromethane	ND		1.3	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
cis-1,2-Dichloroethene	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
cis-1,3-Dichloropropene	ND		1.3	0.91	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Cyclohexane	ND		6.3	0.88	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Dichlorodifluoromethane	ND		1.3	0.52	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Ethylbenzene	ND		1.3	0.44	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Isopropylbenzene	ND		1.3	0.95	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Methyl acetate	ND	*	6.3	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Methyl tert-butyl ether	ND		1.3	0.62	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Methylcyclohexane	ND		6.3	0.96	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Methylene Chloride	ND		1.3	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Styrene	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Tetrachloroethene	ND		1.3	0.85	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Toluene	ND		1.3	0.48	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
trans-1,2-Dichloroethene	ND		1.3	0.65	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
trans-1,3-Dichloropropene	ND		1.3	2.8	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Trichlorofluoromethane	ND		1.3	0.60	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Vinyl chloride	ND		1.3	0.77	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1
Xylenes, Total	ND		2.5	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 05:07	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: SB-1 @ 7.5'
Date Collected: 08/02/12 10:25
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-1
Matrix: Solid
Percent Solids: 77.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzene, 4-(2-butenyl)-1,2-dimethyl-, (E	14	T J N	ug/Kg	☼	11.92	54340-86-2	08/06/12 20:18	08/08/12 05:07	1
Unknown	8.7	T J	ug/Kg	☼	13.70		08/06/12 20:18	08/08/12 05:07	1
Naphthalene, 2,7-dimethyl-	11	T J N	ug/Kg	☼	14.45	582-16-1	08/06/12 20:18	08/08/12 05:07	1
Naphthalene, 2,3-dimethyl-	15	T J N	ug/Kg	☼	15.17	581-40-8	08/06/12 20:18	08/08/12 05:07	1
Tetradecane	8.7	T J N	ug/Kg	☼	18.92	629-59-4	08/06/12 20:18	08/08/12 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126	08/06/12 20:18	08/08/12 05:07	1
Toluene-d8 (Surr)	106		71 - 125	08/06/12 20:18	08/08/12 05:07	1
4-Bromofluorobenzene (Surr)	97		72 - 126	08/06/12 20:18	08/08/12 05:07	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: SB-1 @ 20'
Date Collected: 08/02/12 10:40
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-2
Matrix: Solid
Percent Solids: 77.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.46	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,1,2-Trichloroethane	ND		1.3	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,1-Dichloroethane	ND		1.3	0.77	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,1-Dichloroethene	ND		1.3	0.78	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2,4-Trichlorobenzene	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2-Dibromoethane	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2-Dichlorobenzene	ND		1.3	0.50	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2-Dichloroethane	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,2-Dichloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,3-Dichlorobenzene	ND		1.3	0.33	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
1,4-Dichlorobenzene	ND		1.3	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Acetone	**6.3**	**J**	32	5.3	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Benzene	ND		1.3	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Bromodichloromethane	ND		1.3	0.85	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Bromoform	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Bromomethane	ND		1.3	0.57	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Carbon disulfide	ND		6.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Carbon tetrachloride	ND		1.3	0.61	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Chlorobenzene	ND		1.3	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Dibromochloromethane	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Chloroethane	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Chloroform	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Chloromethane	ND		1.3	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
cis-1,2-Dichloroethene	ND		1.3	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
cis-1,3-Dichloropropene	ND		1.3	0.91	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Cyclohexane	ND		6.3	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Dichlorodifluoromethane	ND		1.3	0.52	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Ethylbenzene	ND		1.3	0.44	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Isopropylbenzene	ND		1.3	0.96	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Methyl acetate	ND	*	6.3	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Methyl tert-butyl ether	ND		1.3	0.62	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Methylcyclohexane	ND		6.3	0.96	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Methylene Chloride	ND		1.3	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Styrene	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Tetrachloroethene	ND		1.3	0.85	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Toluene	ND		1.3	0.48	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
trans-1,2-Dichloroethene	ND		1.3	0.65	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
trans-1,3-Dichloropropene	ND		1.3	2.8	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Trichlorofluoromethane	ND		1.3	0.60	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Vinyl chloride	ND		1.3	0.77	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1
Xylenes, Total	ND		2.5	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 05:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 05:33*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: SB-1 @ 20'
Date Collected: 08/02/12 10:40
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-2
Matrix: Solid
Percent Solids: 77.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		64 - 126	08/06/12 20:18	08/08/12 05:33	1
Toluene-d8 (Surr)	107		71 - 125	08/06/12 20:18	08/08/12 05:33	1
4-Bromofluorobenzene (Surr)	91		72 - 126	08/06/12 20:18	08/08/12 05:33	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-5 @ 7.5'
Date Collected: 08/02/12 12:50
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-3
Matrix: Solid
Percent Solids: 77.5

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	0.44	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.2	0.98	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,1,2-Trichloroethane	ND		1.2	0.78	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,1-Dichloroethane	ND		1.2	0.74	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,1-Dichloroethene	ND		1.2	0.74	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2,4-Trichlorobenzene	ND		1.2	0.37	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.2	3.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2-Dibromoethane	ND		1.2	0.77	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2-Dichlorobenzene	ND		1.2	0.47	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2-Dichloroethane	ND		1.2	0.30	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,2-Dichloropropane	ND		1.2	3.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,3-Dichlorobenzene	ND		1.2	0.31	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
1,4-Dichlorobenzene	ND		1.2	0.84	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
2-Hexanone	ND		30	3.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Acetone	**12**	**J**	30	5.1	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Benzene	ND		1.2	0.30	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Bromodichloromethane	ND		1.2	0.81	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Bromoform	ND		1.2	3.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Bromomethane	ND		1.2	0.54	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Carbon disulfide	ND		6.0	3.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Carbon tetrachloride	ND		1.2	0.58	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Chlorobenzene	ND		1.2	0.80	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Dibromochloromethane	ND		1.2	0.77	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Chloroethane	ND		1.2	1.4	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Chloroform	ND		1.2	0.37	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Chloromethane	ND		1.2	0.36	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
cis-1,2-Dichloroethene	ND		1.2	0.77	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
cis-1,3-Dichloropropene	ND		1.2	0.87	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Cyclohexane	ND		6.0	0.84	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Dichlorodifluoromethane	ND		1.2	0.50	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Ethylbenzene	ND		1.2	0.42	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Isopropylbenzene	ND		1.2	0.91	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Methyl acetate	ND		6.0	1.1	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Methyl tert-butyl ether	ND		1.2	0.59	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Methylcyclohexane	ND		6.0	0.92	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Methylene Chloride	ND		1.2	2.8	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Styrene	ND		1.2	0.30	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Tetrachloroethene	ND		1.2	0.81	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Toluene	ND		1.2	0.46	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
trans-1,2-Dichloroethene	ND		1.2	0.62	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
trans-1,3-Dichloropropene	ND		1.2	2.7	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Trichloroethene	ND		1.2	1.3	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Trichlorofluoromethane	ND		1.2	0.57	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Vinyl chloride	ND		1.2	0.74	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1
Xylenes, Total	ND		2.4	1.0	ug/Kg	☼	08/14/12 10:20	08/14/12 16:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/12 10:20*	*08/14/12 16:05*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-5 @ 7.5'
Date Collected: 08/02/12 12:50
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-3
Matrix: Solid
Percent Solids: 77.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		64 - 126	08/14/12 10:20	08/14/12 16:05	1
Toluene-d8 (Surr)	94		71 - 125	08/14/12 10:20	08/14/12 16:05	1
4-Bromofluorobenzene (Surr)	81		72 - 126	08/14/12 10:20	08/14/12 16:05	1

Client Sample ID: MW-5 @ 20'
Date Collected: 08/02/12 13:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-4
Matrix: Solid
Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.46	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,1,2-Trichloroethane	ND		1.3	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,1-Dichloroethane	ND		1.3	0.78	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,1-Dichloroethene	ND		1.3	0.78	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2,4-Trichlorobenzene	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2-Dibromoethane	ND		1.3	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2-Dichlorobenzene	ND		1.3	0.50	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2-Dichloroethane	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,2-Dichloropropane	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,3-Dichlorobenzene	ND		1.3	0.33	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
1,4-Dichlorobenzene	ND		1.3	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Acetone	**8.3**	**J**	32	5.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Benzene	ND		1.3	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Bromodichloromethane	ND		1.3	0.86	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Bromoform	ND		1.3	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Bromomethane	ND		1.3	0.58	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Carbon disulfide	ND		6.4	3.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Carbon tetrachloride	ND		1.3	0.62	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Chlorobenzene	ND		1.3	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Dibromochloromethane	ND		1.3	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Chloroethane	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Chloroform	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Chloromethane	ND		1.3	0.39	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
cis-1,2-Dichloroethene	ND		1.3	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
cis-1,3-Dichloropropene	ND		1.3	0.92	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Cyclohexane	ND		6.4	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Dichlorodifluoromethane	ND		1.3	0.53	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Ethylbenzene	ND		1.3	0.44	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Isopropylbenzene	ND		1.3	0.96	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Methyl acetate	ND	*	6.4	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Methyl tert-butyl ether	ND		1.3	0.63	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Methylcyclohexane	ND		6.4	0.97	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Methylene Chloride	ND		1.3	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Styrene	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Tetrachloroethene	ND		1.3	0.86	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Toluene	ND		1.3	0.48	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
trans-1,2-Dichloroethene	ND		1.3	0.66	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
trans-1,3-Dichloropropene	ND		1.3	2.8	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Trichlorofluoromethane	ND		1.3	0.60	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Vinyl chloride	ND		1.3	0.78	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1
Xylenes, Total	ND		2.6	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 06:24*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-5 @ 20'
Date Collected: 08/02/12 13:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-4
Matrix: Solid
Percent Solids: 77.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		64 - 126	08/06/12 20:18	08/08/12 06:24	1
Toluene-d8 (Surr)	104		71 - 125	08/06/12 20:18	08/08/12 06:24	1
4-Bromofluorobenzene (Surr)	94		72 - 126	08/06/12 20:18	08/08/12 06:24	1

Client Sample ID: MW-1 @ 7.5'
Date Collected: 08/02/12 14:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-5
Matrix: Solid
Percent Solids: 79.4

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	☼	08/06/12 20:18	08/08/12 06:49	1
1,1,2,2-Tetrachloroethane	ND		1.2	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,1,2-Trichloroethane	ND		1.2	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,1-Dichloroethane	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,1-Dichloroethene	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2,4-Trichlorobenzene	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2-Dibromo-3-Chloropropane	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2-Dibromoethane	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2-Dichlorobenzene	ND		1.2	0.49	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2-Dichloroethane	ND		1.2	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,2-Dichloropropane	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,3-Dichlorobenzene	ND		1.2	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
1,4-Dichlorobenzene	ND		1.2	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
2-Hexanone	ND		31	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
2-Butanone (MEK)	ND		31	2.3	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Acetone	**7.6**	**J**	31	5.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Benzene	ND		1.2	0.30	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Bromodichloromethane	ND		1.2	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Bromoform	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Bromomethane	ND		1.2	0.56	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Carbon disulfide	ND		6.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Carbon tetrachloride	ND		1.2	0.60	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Chlorobenzene	ND		1.2	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Dibromochloromethane	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Chloroethane	ND		1.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Chloroform	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Chloromethane	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
cis-1,2-Dichloroethene	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
cis-1,3-Dichloropropene	ND		1.2	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Cyclohexane	ND		6.2	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Dichlorodifluoromethane	ND		1.2	0.51	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Ethylbenzene	ND		1.2	0.43	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Isopropylbenzene	ND		1.2	0.94	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Methyl acetate	ND	*	6.2	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Methyl tert-butyl ether	ND		1.2	0.61	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Methylcyclohexane	ND		6.2	0.94	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Methylene Chloride	ND		1.2	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Styrene	ND		1.2	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Tetrachloroethene	ND		1.2	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Toluene	ND		1.2	0.47	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
trans-1,2-Dichloroethene	ND		1.2	0.64	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
trans-1,3-Dichloropropene	ND		1.2	2.7	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Trichloroethene	ND		1.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Trichlorofluoromethane	ND		1.2	0.59	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Vinyl chloride	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1
Xylenes, Total	ND		2.5	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 06:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 06:49*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-1 @ 7.5'
Date Collected: 08/02/12 14:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-5
Matrix: Solid
Percent Solids: 79.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		64 - 126	08/06/12 20:18	08/08/12 06:49	1
Toluene-d8 (Surr)	107		71 - 125	08/06/12 20:18	08/08/12 06:49	1
4-Bromofluorobenzene (Surr)	104		72 - 126	08/06/12 20:18	08/08/12 06:49	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-1 @ 20'
Date Collected: 08/02/12 14:05
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-6
Matrix: Solid
Percent Solids: 74.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3	0.47	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,1,2,2-Tetrachloroethane	ND		1.3	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,1,2-Trichloroethane	ND		1.3	0.85	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,1-Dichloroethane	ND		1.3	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,1-Dichloroethene	ND		1.3	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2,4-Trichlorobenzene	ND		1.3	0.40	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2-Dibromo-3-Chloropropane	ND		1.3	3.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2-Dibromoethane	ND		1.3	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2-Dichlorobenzene	ND		1.3	0.51	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2-Dichloroethane	ND		1.3	0.33	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,2-Dichloropropane	ND		1.3	3.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,3-Dichlorobenzene	ND		1.3	0.34	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
1,4-Dichlorobenzene	ND		1.3	0.92	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
2-Hexanone	ND		33	3.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
2-Butanone (MEK)	ND		33	2.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
4-Methyl-2-pentanone (MIBK)	ND		33	2.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Acetone	**5.7**	**J**	33	5.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Benzene	ND		1.3	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Bromodichloromethane	ND		1.3	0.88	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Bromoform	ND		1.3	3.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Bromomethane	ND		1.3	0.59	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Carbon disulfide	ND		6.5	3.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Carbon tetrachloride	ND		1.3	0.63	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Chlorobenzene	ND		1.3	0.86	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Dibromochloromethane	ND		1.3	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Chloroethane	ND		1.3	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Chloroform	ND		1.3	0.40	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Chloromethane	ND		1.3	0.40	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
cis-1,2-Dichloroethene	ND		1.3	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
cis-1,3-Dichloropropene	ND		1.3	0.94	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Cyclohexane	ND		6.5	0.92	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Dichlorodifluoromethane	ND		1.3	0.54	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Ethylbenzene	ND		1.3	0.45	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Isopropylbenzene	ND		1.3	0.99	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Methyl acetate	ND	*	6.5	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Methyl tert-butyl ether	ND		1.3	0.64	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Methylcyclohexane	ND		6.5	0.99	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Methylene Chloride	ND		1.3	3.0	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Styrene	ND		1.3	0.33	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Tetrachloroethene	ND		1.3	0.88	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Toluene	ND		1.3	0.49	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
trans-1,2-Dichloroethene	ND		1.3	0.68	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
trans-1,3-Dichloropropene	ND		1.3	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Trichloroethene	ND		1.3	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Trichlorofluoromethane	ND		1.3	0.62	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Vinyl chloride	ND		1.3	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1
Xylenes, Total	ND		2.6	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 07:14*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-1 @ 20'
Date Collected: 08/02/12 14:05
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-6
Matrix: Solid
Percent Solids: 74.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		64 - 126	08/06/12 20:18	08/08/12 07:14	1
Toluene-d8 (Surr)	103		71 - 125	08/06/12 20:18	08/08/12 07:14	1
4-Bromofluorobenzene (Surr)	97		72 - 126	08/06/12 20:18	08/08/12 07:14	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-2 @ 10'
Date Collected: 08/02/12 14:50
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-7
Matrix: Solid
Percent Solids: 73.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.49	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,1,2-Trichloroethane	ND		1.4	0.88	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,1-Dichloroethane	ND		1.4	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,1-Dichloroethene	ND		1.4	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2,4-Trichlorobenzene	ND		1.4	0.41	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2-Dibromo-3-Chloropropane	ND		1.4	3.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2-Dibromoethane	ND		1.4	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2-Dichlorobenzene	ND		1.4	0.53	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2-Dichloroethane	ND		1.4	0.34	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,2-Dichloropropane	ND		1.4	3.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,3-Dichlorobenzene	ND		1.4	0.35	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
1,4-Dichlorobenzene	ND		1.4	0.95	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
2-Butanone (MEK)	ND		34	2.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Acetone	**9.4**	**J**	34	5.7	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Benzene	ND		1.4	0.33	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Bromodichloromethane	ND		1.4	0.91	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Bromoform	ND		1.4	3.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Bromomethane	ND		1.4	0.61	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Carbon disulfide	ND		6.8	3.4	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Carbon tetrachloride	ND		1.4	0.65	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Chlorobenzene	ND		1.4	0.89	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Dibromochloromethane	ND		1.4	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Chloroethane	ND		1.4	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Chloroform	ND		1.4	0.42	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Chloromethane	ND		1.4	0.41	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
cis-1,2-Dichloroethene	ND		1.4	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
cis-1,3-Dichloropropene	ND		1.4	0.97	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Cyclohexane	ND		6.8	0.95	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Dichlorodifluoromethane	ND		1.4	0.56	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Ethylbenzene	ND		1.4	0.47	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Isopropylbenzene	ND		1.4	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Methyl acetate	ND	*	6.8	1.3	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Methyl tert-butyl ether	ND		1.4	0.66	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Methylcyclohexane	ND		6.8	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Methylene Chloride	ND		1.4	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Styrene	ND		1.4	0.34	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Tetrachloroethene	ND		1.4	0.91	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Toluene	ND		1.4	0.51	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
trans-1,2-Dichloroethene	ND		1.4	0.70	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
trans-1,3-Dichloropropene	ND		1.4	3.0	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Trichloroethene	ND		1.4	1.5	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Trichlorofluoromethane	ND		1.4	0.64	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Vinyl chloride	ND		1.4	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1
Xylenes, Total	ND		2.7	1.1	ug/Kg	☼	08/06/12 20:18	08/08/12 07:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 07:40*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-2 @ 10'
Date Collected: 08/02/12 14:50
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-7
Matrix: Solid
Percent Solids: 73.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126	08/06/12 20:18	08/08/12 07:40	1
Toluene-d8 (Surr)	114		71 - 125	08/06/12 20:18	08/08/12 07:40	1
4-Bromofluorobenzene (Surr)	106		72 - 126	08/06/12 20:18	08/08/12 07:40	1

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-2 @ 20'
Date Collected: 08/02/12 15:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-8
Matrix: Solid
Percent Solids: 77.2

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	☼	08/06/12 20:18	08/08/12 08:05	1
1,1,2,2-Tetrachloroethane	ND		1.2	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,1,2-Trichloroethane	ND		1.2	0.81	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,1-Dichloroethane	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,1-Dichloroethene	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2,4-Trichlorobenzene	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2-Dibromo-3-Chloropropane	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2-Dibromoethane	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2-Dichlorobenzene	ND		1.2	0.49	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2-Dichloroethane	ND		1.2	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,2-Dichloropropane	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,3-Dichlorobenzene	ND		1.2	0.32	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
1,4-Dichlorobenzene	ND		1.2	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
2-Hexanone	ND		31	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
2-Butanone (MEK)	ND		31	2.3	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Acetone	**5.5**	**J**	31	5.2	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Benzene	ND		1.2	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Bromodichloromethane	ND		1.2	0.83	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Bromoform	ND		1.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Bromomethane	ND		1.2	0.56	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Carbon disulfide	ND		6.2	3.1	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Carbon tetrachloride	ND		1.2	0.60	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Chlorobenzene	ND		1.2	0.82	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Dibromochloromethane	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Chloroethane	ND		1.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Chloroform	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Chloromethane	ND		1.2	0.38	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
cis-1,2-Dichloroethene	ND		1.2	0.80	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
cis-1,3-Dichloropropene	ND		1.2	0.90	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Cyclohexane	ND		6.2	0.87	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Dichlorodifluoromethane	ND		1.2	0.51	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Ethylbenzene	ND		1.2	0.43	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Isopropylbenzene	ND		1.2	0.94	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Methyl acetate	ND	*	6.2	1.2	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Methyl tert-butyl ether	ND		1.2	0.61	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Methylcyclohexane	ND		6.2	0.95	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Methylene Chloride	ND		1.2	2.9	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Styrene	ND		1.2	0.31	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Tetrachloroethene	ND		1.2	0.84	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Toluene	ND		1.2	0.47	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
trans-1,2-Dichloroethene	ND		1.2	0.64	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
trans-1,3-Dichloropropene	ND		1.2	2.7	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Trichloroethene	ND		1.2	1.4	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Trichlorofluoromethane	ND		1.2	0.59	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Vinyl chloride	ND		1.2	0.76	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1
Xylenes, Total	ND		2.5	1.0	ug/Kg	☼	08/06/12 20:18	08/08/12 08:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/06/12 20:18*	*08/08/12 08:05*	*1*

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-2 @ 20'
Date Collected: 08/02/12 15:00
Date Received: 08/04/12 09:00

Lab Sample ID: 480-23482-8
Matrix: Solid
Percent Solids: 77.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		64 - 126	08/06/12 20:18	08/08/12 08:05	1
Toluene-d8 (Surr)	101		71 - 125	08/06/12 20:18	08/08/12 08:05	1
4-Bromofluorobenzene (Surr)	94		72 - 126	08/06/12 20:18	08/08/12 08:05	1

Lab Chronicle

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: SB-1 @ 7.5'

Lab Sample ID: 480-23482-1
Date Collected: 08/02/12 10:25
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 05:07	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: SB-1 @ 20'

Lab Sample ID: 480-23482-2
Date Collected: 08/02/12 10:40
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 05:33	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-5 @ 7.5'

Lab Sample ID: 480-23482-3
Date Collected: 08/02/12 12:50
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76483	08/14/12 10:20	JMB	TAL BUF
Total/NA	Analysis	8260B		1	76449	08/14/12 16:05	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-5 @ 20'

Lab Sample ID: 480-23482-4
Date Collected: 08/02/12 13:00
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 06:24	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-1 @ 7.5'

Lab Sample ID: 480-23482-5
Date Collected: 08/02/12 14:00
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 06:49	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23482-1

Client Sample ID: MW-1 @ 20'

Lab Sample ID: 480-23482-6

Date Collected: 08/02/12 14:05
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 07:14	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-2 @ 10'

Lab Sample ID: 480-23482-7

Date Collected: 08/02/12 14:50
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 07:40	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	TAL BUF

Client Sample ID: MW-2 @ 20'

Lab Sample ID: 480-23482-8

Date Collected: 08/02/12 15:00
Matrix: Solid
Date Received: 08/04/12 09:00
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			75380	08/06/12 20:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	75600	08/08/12 08:05	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	76167	08/10/12 18:18	KK	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: 480-23482-1

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: 480-23482-1

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: 480-23482-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-23482-1	SB-1 @ 7.5'	Solid	08/02/12 10:25	08/04/12 09:00
480-23482-2	SB-1 @ 20'	Solid	08/02/12 10:40	08/04/12 09:00
480-23482-3	MW-5 @ 7.5'	Solid	08/02/12 12:50	08/04/12 09:00
480-23482-4	MW-5 @ 20'	Solid	08/02/12 13:00	08/04/12 09:00
480-23482-5	MW-1 @ 7.5'	Solid	08/02/12 14:00	08/04/12 09:00
480-23482-6	MW-1 @ 20'	Solid	08/02/12 14:05	08/04/12 09:00
480-23482-7	MW-2 @ 10'	Solid	08/02/12 14:50	08/04/12 09:00
480-23482-8	MW-2 @ 20'	Solid	08/02/12 15:00	08/04/12 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) 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 _____			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 (Full List) via 8260 + TICs	Sample Specific Notes:
SB-1 @ 7.5'	8/2/12	1025	GRAB	Soil	1		X	
SB-1 @ 20'	8/2/12	1040	GRAB	Soil	1		X	
MW-5 @ 7.5'	8/2/12	1250	GRAB	Soil	1		X	
MW-5 @ 20'	8/2/12	1300	GRAB	Soil	1		X	
MW-1 @ 7.5'	8/2/12	1400	GRAB	Soil	1		X	
MW-1 @ 20'	8/2/12	1405	GRAB	Soil	1		X	
MW-2 @ 10'	8/2/12	1450	GRAB	Soil	1		X	
MW-2 @ 20'	8/2/12	1500	GRAB	Soil	1		X	
			TBL				8-3-12	

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:
Randy Hoose	AZTECH	8-2-2012 11:30	Tim Kelly	TA	8-3-12 1330
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Tim Kelly	TA	8-3-12 1700		TA Buffalo	8/4/12 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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

1.2 #2

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-23482-1

Login Number: 23482

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ATTACHMENT D

LABORATORY ANALYTICAL REPORT

GROUNDWATER SAMPLES

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: 480-24278-1
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

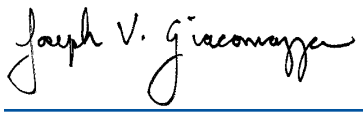
Joseph V. Giacomazza

Authorized for release by:
8/30/2012 10:33:21 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
8/30/2012 10:33:21 AM

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-24278-1

Qualifiers

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

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: 480-24278-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-24278-1

Receipt
The samples were received on 8/23/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260B: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-5 (480-24278-5). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 78507 was outside control limits.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-3 (480-24278-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-1 — Lab Sample ID: 480-24278-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.8		1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-24278-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.4		1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-24278-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	79		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.7		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	83		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	9.3		1.0	0.90	ug/L	1		8260B	Total/NA
Tetrachloroethene - DL	410		8.0	2.9	ug/L	8		8260B	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-24278-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.3		1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-24278-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.4		2.0	0.72	ug/L	2		8260B	Total/NA

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-1
Date Collected: 08/22/12 10:30
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-1
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			08/28/12 02:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/12 02:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/12 02:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/12 02:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/12 02:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/12 02:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/12 02:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/12 02:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/12 02:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/12 02:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/12 02:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/12 02:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/12 02:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/12 02:34	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/12 02:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/12 02:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/12 02:34	1
Acetone	ND		10	3.0	ug/L			08/28/12 02:34	1
Benzene	ND		1.0	0.41	ug/L			08/28/12 02:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/12 02:34	1
Bromoform	ND		1.0	0.26	ug/L			08/28/12 02:34	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/12 02:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/12 02:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/12 02:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/12 02:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/12 02:34	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/12 02:34	1
Chloroform	ND		1.0	0.34	ug/L			08/28/12 02:34	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/12 02:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/12 02:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/12 02:34	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/12 02:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/12 02:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/12 02:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/12 02:34	1
Methyl acetate	ND		1.0	0.50	ug/L			08/28/12 02:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/12 02:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/12 02:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/12 02:34	1
Styrene	ND		1.0	0.73	ug/L			08/28/12 02:34	1
Tetrachloroethene	**1.8**		1.0	0.36	ug/L			08/28/12 02:34	1
Toluene	ND		1.0	0.51	ug/L			08/28/12 02:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/12 02:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/12 02:34	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/12 02:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/12 02:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/12 02:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/12 02:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/12 02:34*	*1*

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-1

Lab Sample ID: 480-24278-1

Date Collected: 08/22/12 10:30

Matrix: Water

Date Received: 08/23/12 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*08/28/12 02:34*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*08/28/12 02:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*08/28/12 02:34*	*1*

Client Sample ID: MW-2

Lab Sample ID: 480-24278-2

Date Collected: 08/22/12 11:20

Matrix: Water

Date Received: 08/23/12 09:00

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			08/28/12 02:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/12 02:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/12 02:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/12 02:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/12 02:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/12 02:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/12 02:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/12 02:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/12 02:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/12 02:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/12 02:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/12 02:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/12 02:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/12 02:57	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/12 02:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/12 02:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/12 02:57	1
Acetone	ND		10	3.0	ug/L			08/28/12 02:57	1
Benzene	ND		1.0	0.41	ug/L			08/28/12 02:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/12 02:57	1
Bromoform	ND		1.0	0.26	ug/L			08/28/12 02:57	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/12 02:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/12 02:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/12 02:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/12 02:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/12 02:57	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/12 02:57	1
Chloroform	ND		1.0	0.34	ug/L			08/28/12 02:57	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/12 02:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/12 02:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/12 02:57	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/12 02:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/12 02:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/12 02:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/12 02:57	1
Methyl acetate	ND		1.0	0.50	ug/L			08/28/12 02:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/12 02:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/12 02:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/12 02:57	1
Styrene	ND		1.0	0.73	ug/L			08/28/12 02:57	1
Tetrachloroethene	**7.4**		1.0	0.36	ug/L			08/28/12 02:57	1
Toluene	ND		1.0	0.51	ug/L			08/28/12 02:57	1

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-2

Date Collected: 08/22/12 11:20
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/12 02:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/12 02:57	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/12 02:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/12 02:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/12 02:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/12 02:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/12 02:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*08/28/12 02:57*	*1*
Toluene-d8 (Surr)	*117*		*71 - 126*		*08/28/12 02:57*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/28/12 02:57*	*1*

Client Sample ID: MW-3

Date Collected: 08/22/12 11:00
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-3

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			08/28/12 13:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/12 13:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/12 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/12 13:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/12 13:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/12 13:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/12 13:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/12 13:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/12 13:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/12 13:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/12 13:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/12 13:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/12 13:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/12 13:26	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/12 13:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/12 13:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/12 13:26	1
Acetone	ND		10	3.0	ug/L			08/28/12 13:26	1
Benzene	ND		1.0	0.41	ug/L			08/28/12 13:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/12 13:26	1
Bromoform	ND		1.0	0.26	ug/L			08/28/12 13:26	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/12 13:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/12 13:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/12 13:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/12 13:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/12 13:26	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/12 13:26	1
Chloroform	ND		1.0	0.34	ug/L			08/28/12 13:26	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/12 13:26	1
cis-1,2-Dichloroethene	**79**		1.0	0.81	ug/L			08/28/12 13:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/12 13:26	1

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-3

Lab Sample ID: 480-24278-3

Date Collected: 08/22/12 11:00

Matrix: Water

Date Received: 08/23/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			08/28/12 13:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/12 13:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/12 13:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/12 13:26	1
Methyl acetate	ND		1.0	0.50	ug/L			08/28/12 13:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/12 13:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/12 13:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/12 13:26	1
Styrene	ND		1.0	0.73	ug/L			08/28/12 13:26	1
Toluene	ND		1.0	0.51	ug/L			08/28/12 13:26	1
trans-1,2-Dichloroethene	**2.7**		1.0	0.90	ug/L			08/28/12 13:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/12 13:26	1
Trichloroethene	**83**		1.0	0.46	ug/L			08/28/12 13:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/12 13:26	1
Vinyl chloride	**9.3**		1.0	0.90	ug/L			08/28/12 13:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/12 13:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/12 13:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*08/28/12 13:26*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*08/28/12 13:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*08/28/12 13:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**410**		8.0	2.9	ug/L			08/29/12 03:28	8

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acenaphthene	*49*	*T J N*	*ug/L*		*10.84*	*83-32-9*		*08/29/12 03:28*	*8*
Naphthalene, 1,4,6-trimethyl-	*37*	*T J N*	*ug/L*		*12.47*	*2131-42-2*		*08/29/12 03:28*	*8*
Naphthalene, 2,3-dimethyl-	*23*	*T J N*	*ug/L*		*14.86*	*581-40-8*		*08/29/12 03:28*	*8*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*08/29/12 03:28*	*8*
Toluene-d8 (Surr)	*117*		*71 - 126*		*08/29/12 03:28*	*8*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/29/12 03:28*	*8*

Client Sample ID: MW-4

Lab Sample ID: 480-24278-4

Date Collected: 08/22/12 11:10

Matrix: Water

Date Received: 08/23/12 09:00

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			08/29/12 03:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/29/12 03:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/29/12 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/29/12 03:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/29/12 03:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/29/12 03:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/29/12 03:50	1

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-4
Date Collected: 08/22/12 11:10
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/29/12 03:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/29/12 03:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/29/12 03:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/29/12 03:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/29/12 03:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/29/12 03:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/29/12 03:50	1
2-Hexanone	ND		5.0	1.2	ug/L			08/29/12 03:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/29/12 03:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/29/12 03:50	1
Acetone	ND		10	3.0	ug/L			08/29/12 03:50	1
Benzene	ND		1.0	0.41	ug/L			08/29/12 03:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/29/12 03:50	1
Bromoform	ND		1.0	0.26	ug/L			08/29/12 03:50	1
Bromomethane	ND		1.0	0.69	ug/L			08/29/12 03:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/29/12 03:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/29/12 03:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/29/12 03:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/29/12 03:50	1
Chloroethane	ND		1.0	0.32	ug/L			08/29/12 03:50	1
Chloroform	ND		1.0	0.34	ug/L			08/29/12 03:50	1
Chloromethane	ND		1.0	0.35	ug/L			08/29/12 03:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/29/12 03:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/29/12 03:50	1
Cyclohexane	ND		1.0	0.18	ug/L			08/29/12 03:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/29/12 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/29/12 03:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/29/12 03:50	1
Methyl acetate	ND		1.0	0.50	ug/L			08/29/12 03:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/29/12 03:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/29/12 03:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/29/12 03:50	1
Styrene	ND		1.0	0.73	ug/L			08/29/12 03:50	1
Tetrachloroethene	**2.3**		1.0	0.36	ug/L			08/29/12 03:50	1
Toluene	ND		1.0	0.51	ug/L			08/29/12 03:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/29/12 03:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/29/12 03:50	1
Trichloroethene	ND		1.0	0.46	ug/L			08/29/12 03:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/29/12 03:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/29/12 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/29/12 03:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Naphthalene	*0.92*	*J*	*ug/L*		*12.99*	*91-20-3*		*08/29/12 03:50*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/29/12 03:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*08/29/12 03:50*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*08/29/12 03:50*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*08/29/12 03:50*	*1*

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-5
Date Collected: 08/22/12 10:45
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-5
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		2.0	1.6	ug/L			08/28/12 14:57	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			08/28/12 14:57	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			08/28/12 14:57	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			08/28/12 14:57	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			08/28/12 14:57	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			08/28/12 14:57	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			08/28/12 14:57	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			08/28/12 14:57	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			08/28/12 14:57	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			08/28/12 14:57	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			08/28/12 14:57	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			08/28/12 14:57	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			08/28/12 14:57	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			08/28/12 14:57	2
2-Hexanone	ND		10	2.5	ug/L			08/28/12 14:57	2
2-Butanone (MEK)	ND		20	2.6	ug/L			08/28/12 14:57	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			08/28/12 14:57	2
Acetone	ND		20	6.0	ug/L			08/28/12 14:57	2
Benzene	ND		2.0	0.82	ug/L			08/28/12 14:57	2
Bromodichloromethane	ND		2.0	0.78	ug/L			08/28/12 14:57	2
Bromoform	ND		2.0	0.52	ug/L			08/28/12 14:57	2
Bromomethane	ND		2.0	1.4	ug/L			08/28/12 14:57	2
Carbon disulfide	ND		2.0	0.38	ug/L			08/28/12 14:57	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			08/28/12 14:57	2
Chlorobenzene	ND		2.0	1.5	ug/L			08/28/12 14:57	2
Dibromochloromethane	ND		2.0	0.64	ug/L			08/28/12 14:57	2
Chloroethane	ND		2.0	0.64	ug/L			08/28/12 14:57	2
Chloroform	ND		2.0	0.68	ug/L			08/28/12 14:57	2
Chloromethane	ND		2.0	0.70	ug/L			08/28/12 14:57	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			08/28/12 14:57	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			08/28/12 14:57	2
Cyclohexane	ND		2.0	0.36	ug/L			08/28/12 14:57	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			08/28/12 14:57	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/28/12 14:57	2
Isopropylbenzene	ND		2.0	1.6	ug/L			08/28/12 14:57	2
Methyl acetate	ND		2.0	1.0	ug/L			08/28/12 14:57	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			08/28/12 14:57	2
Methylcyclohexane	ND		2.0	0.32	ug/L			08/28/12 14:57	2
Methylene Chloride	ND		2.0	0.88	ug/L			08/28/12 14:57	2
Styrene	ND		2.0	1.5	ug/L			08/28/12 14:57	2
Tetrachloroethene	**2.4**		2.0	0.72	ug/L			08/28/12 14:57	2
Toluene	ND		2.0	1.0	ug/L			08/28/12 14:57	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/28/12 14:57	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			08/28/12 14:57	2
Trichloroethene	ND		2.0	0.92	ug/L			08/28/12 14:57	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			08/28/12 14:57	2
Vinyl chloride	ND		2.0	1.8	ug/L			08/28/12 14:57	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/28/12 14:57	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexachlorobutadiene	*1.0*	*J B*	*ug/L*		*12.89*	*87-68-3*		*08/28/12 14:57*	*2*

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-5
Date Collected: 08/22/12 10:45
Date Received: 08/23/12 09:00

Lab Sample ID: 480-24278-5
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					08/28/12 14:57	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		08/28/12 14:57	2
Toluene-d8 (Surr)	109		71 - 126		08/28/12 14:57	2
4-Bromofluorobenzene (Surr)	103		73 - 120		08/28/12 14:57	2

Surrogate Summary

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

TestAmerica Job ID: 480-24278-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-24278-1	MW-1	112	115	108
480-24278-2	MW-2	115	117	112
480-24278-3	MW-3	109	113	107
480-24278-3 - DL	MW-3	104	117	112
480-24278-4	MW-4	104	113	108
480-24278-4 MS	MW-4	101	110	105
480-24278-4 MSD	MW-4	101	114	107
480-24278-5	MW-5	104	109	103
LCS 480-78348/4	Lab Control Sample	108	115	112
LCS 480-78417/4	Lab Control Sample	105	117	110
LCS 480-78507/4	Lab Control Sample	102	112	107
MB 480-78348/5	Method Blank	105	117	111
MB 480-78417/5	Method Blank	106	115	109
MB 480-78507/5	Method Blank	107	113	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

TestAmerica Job ID: 480-24278-1

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

Lab Sample ID: MB 480-78348/5
Matrix: Water
Analysis Batch: 78348

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/12 20:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/12 20:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/12 20:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/12 20:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/12 20:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/12 20:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/12 20:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/12 20:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/12 20:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/12 20:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/12 20:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/12 20:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/12 20:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/12 20:10	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/12 20:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/12 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/12 20:10	1
Acetone	ND		10	3.0	ug/L			08/27/12 20:10	1
Benzene	ND		1.0	0.41	ug/L			08/27/12 20:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/12 20:10	1
Bromoform	ND		1.0	0.26	ug/L			08/27/12 20:10	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/12 20:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/12 20:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/12 20:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/12 20:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/12 20:10	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/12 20:10	1
Chloroform	ND		1.0	0.34	ug/L			08/27/12 20:10	1
Chloromethane	ND		1.0	0.35	ug/L			08/27/12 20:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/27/12 20:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/12 20:10	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/12 20:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/12 20:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/12 20:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/12 20:10	1
Methyl acetate	ND		1.0	0.50	ug/L			08/27/12 20:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/12 20:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/12 20:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/12 20:10	1
Styrene	ND		1.0	0.73	ug/L			08/27/12 20:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/27/12 20:10	1
Toluene	ND		1.0	0.51	ug/L			08/27/12 20:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/12 20:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/12 20:10	1
Trichloroethene	ND		1.0	0.46	ug/L			08/27/12 20:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/12 20:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/27/12 20:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/12 20:10	1

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

Lab Sample ID: MB 480-78348/5
Matrix: Water
Analysis Batch: 78348

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.421	J	ug/L		12.89	87-68-3		08/27/12 20:10	1
Tentatively Identified Compound	None		ug/L					08/27/12 20:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		08/27/12 20:10	1
Toluene-d8 (Surr)	117		71 - 126		08/27/12 20:10	1
4-Bromofluorobenzene (Surr)	111		73 - 120		08/27/12 20:10	1

Lab Sample ID: LCS 480-78348/4
Matrix: Water
Analysis Batch: 78348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	23.5		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	21.3		ug/L		85	65 - 138
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	77 - 120
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 127
Benzene	25.0	23.5		ug/L		94	71 - 124
Chlorobenzene	25.0	23.0		ug/L		92	72 - 120
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
Methyl tert-butyl ether	25.0	22.1		ug/L		89	64 - 127
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	23.0		ug/L		92	70 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
Trichloroethene	25.0	23.1		ug/L		92	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
Toluene-d8 (Surr)	115		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Lab Sample ID: MB 480-78417/5
Matrix: Water
Analysis Batch: 78417

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/12 10:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/12 10:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/12 10:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/12 10:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/12 10:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/12 10:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/12 10:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/12 10:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/12 10:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/12 10:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/12 10:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/12 10:52	1

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

TestAmerica Job ID: 480-24278-1

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

Lab Sample ID: MB 480-78417/5
Matrix: Water
Analysis Batch: 78417

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/12 10:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/12 10:52	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/12 10:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/12 10:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/12 10:52	1
Acetone	ND		10	3.0	ug/L			08/28/12 10:52	1
Benzene	ND		1.0	0.41	ug/L			08/28/12 10:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/12 10:52	1
Bromoform	ND		1.0	0.26	ug/L			08/28/12 10:52	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/12 10:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/12 10:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/12 10:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/12 10:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/12 10:52	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/12 10:52	1
Chloroform	ND		1.0	0.34	ug/L			08/28/12 10:52	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/12 10:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/12 10:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/12 10:52	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/12 10:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/12 10:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/12 10:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/12 10:52	1
Methyl acetate	ND		1.0	0.50	ug/L			08/28/12 10:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/12 10:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/12 10:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/12 10:52	1
Styrene	ND		1.0	0.73	ug/L			08/28/12 10:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/12 10:52	1
Toluene	ND		1.0	0.51	ug/L			08/28/12 10:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/12 10:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/12 10:52	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/12 10:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/12 10:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/12 10:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/12 10:52	1

Tentatively Identified Compound	MB *Est. Result*	MB *Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexachlorobutadiene	*0.462*	*J*	*ug/L*		*12.89*	*87-68-3*		*08/28/12 10:52*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/12 10:52*	*1*

Surrogate	MB *%Recovery*	MB *Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*08/28/12 10:52*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*08/28/12 10:52*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/28/12 10:52*	*1*

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

Lab Sample ID: LCS 480-78417/4
Matrix: Water
Analysis Batch: 78417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.5		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.2		ug/L		97	65 - 138
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 127
Benzene	25.0	24.8		ug/L		99	71 - 124
Chlorobenzene	25.0	24.8		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
Methyl tert-butyl ether	25.0	24.7		ug/L		99	64 - 127
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	25.1		ug/L		101	70 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
Trichloroethene	25.0	24.2		ug/L		97	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*117*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: MB 480-78507/5
Matrix: Water
Analysis Batch: 78507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/12 22:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/12 22:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/12 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/12 22:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/12 22:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/12 22:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/12 22:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/12 22:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/12 22:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/12 22:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/12 22:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/12 22:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/12 22:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/12 22:18	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/12 22:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/12 22:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/12 22:18	1
Acetone	ND		10	3.0	ug/L			08/28/12 22:18	1
Benzene	ND		1.0	0.41	ug/L			08/28/12 22:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/12 22:18	1
Bromoform	ND		1.0	0.26	ug/L			08/28/12 22:18	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/12 22:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/12 22:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/12 22:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/12 22:18	1

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

Lab Sample ID: MB 480-78507/5
Matrix: Water
Analysis Batch: 78507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/12 22:18	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/12 22:18	1
Chloroform	ND		1.0	0.34	ug/L			08/28/12 22:18	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/12 22:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/12 22:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/12 22:18	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/12 22:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/12 22:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/12 22:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/12 22:18	1
Methyl acetate	ND		1.0	0.50	ug/L			08/28/12 22:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/12 22:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/12 22:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/12 22:18	1
Styrene	ND		1.0	0.73	ug/L			08/28/12 22:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/12 22:18	1
Toluene	ND		1.0	0.51	ug/L			08/28/12 22:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/12 22:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/12 22:18	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/12 22:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/12 22:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/12 22:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/12 22:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexachlorobutadiene	*0.418*	*J*	*ug/L*		*12.89*	*87-68-3*		*08/28/12 22:18*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/12 22:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*08/28/12 22:18*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*08/28/12 22:18*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*08/28/12 22:18*	*1*

Lab Sample ID: LCS 480-78507/4
Matrix: Water
Analysis Batch: 78507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.3		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	22.9		ug/L		92	65 - 138
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 127
Benzene	25.0	24.1		ug/L		96	71 - 124
Chlorobenzene	25.0	23.9		ug/L		96	72 - 120
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Methyl tert-butyl ether	25.0	23.6		ug/L		94	64 - 127
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.4		ug/L		98	70 - 122

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

Lab Sample ID: LCS 480-78507/4
Matrix: Water
Analysis Batch: 78507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-1,2-Dichloroethene			25.0	23.7		ug/L		95	73 - 127		
Trichloroethene			25.0	23.9		ug/L		96	74 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*112*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

Lab Sample ID: 480-24278-4 MS
Matrix: Water
Analysis Batch: 78507

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane	ND		25.0	27.1		ug/L		108	71 - 129		
1,1-Dichloroethene	ND		25.0	26.1		ug/L		104	65 - 138		
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120		
1,2-Dichloroethane	ND		25.0	24.3		ug/L		97	75 - 127		
Benzene	ND		25.0	26.0		ug/L		104	71 - 124		
Chlorobenzene	ND		25.0	25.7		ug/L		103	72 - 120		
cis-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	74 - 124		
Ethylbenzene	ND		25.0	26.9		ug/L		107	77 - 123		
Methyl tert-butyl ether	ND		25.0	23.5		ug/L		94	64 - 127		
Tetrachloroethene	2.3		25.0	31.1		ug/L		115	74 - 122		
Toluene	ND		25.0	26.4		ug/L		106	70 - 122		
trans-1,2-Dichloroethene	ND		25.0	26.1		ug/L		104	73 - 127		
Trichloroethene	ND		25.0	25.6		ug/L		102	74 - 123		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*110*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Lab Sample ID: 480-24278-4 MSD
Matrix: Water
Analysis Batch: 78507

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	27.0		ug/L		108	71 - 129	1	20
1,1-Dichloroethene	ND		25.0	27.6		ug/L		110	65 - 138	5	16
1,2-Dichlorobenzene	ND		25.0	24.9		ug/L		99	77 - 120	1	20
1,2-Dichloroethane	ND		25.0	24.7		ug/L		99	75 - 127	2	20
Benzene	ND		25.0	27.1		ug/L		108	71 - 124	4	13
Chlorobenzene	ND		25.0	26.9		ug/L		107	72 - 120	4	25
cis-1,2-Dichloroethene	ND		25.0	26.7		ug/L		107	74 - 124	3	15
Ethylbenzene	ND		25.0	27.6		ug/L		111	77 - 123	3	15
Methyl tert-butyl ether	ND		25.0	23.5		ug/L		94	64 - 127	0	37
Tetrachloroethene	2.3		25.0	32.1		ug/L		119	74 - 122	3	20
Toluene	ND		25.0	27.5		ug/L		110	70 - 122	4	15
trans-1,2-Dichloroethene	ND		25.0	27.6		ug/L		110	73 - 127	6	20

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

Lab Sample ID: 480-24278-4 MSD
Matrix: Water
Analysis Batch: 78507

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		25.0	26.4		ug/L		105	74 - 123	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-24278-1

GC/MS VOA

Analysis Batch: 78348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-24278-1	MW-1	Total/NA	Water	8260B	
480-24278-2	MW-2	Total/NA	Water	8260B	
LCS 480-78348/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-78348/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 78417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-24278-3	MW-3	Total/NA	Water	8260B	
480-24278-5	MW-5	Total/NA	Water	8260B	
LCS 480-78417/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-78417/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 78507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-24278-3 - DL	MW-3	Total/NA	Water	8260B	
480-24278-4	MW-4	Total/NA	Water	8260B	
480-24278-4 MS	MW-4	Total/NA	Water	8260B	
480-24278-4 MSD	MW-4	Total/NA	Water	8260B	
LCS 480-78507/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-78507/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

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

TestAmerica Job ID: 480-24278-1

Client Sample ID: MW-1

Lab Sample ID: 480-24278-1

Date Collected: 08/22/12 10:30

Matrix: Water

Date Received: 08/23/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	78348	08/28/12 02:34	TRF	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-24278-2

Date Collected: 08/22/12 11:20

Matrix: Water

Date Received: 08/23/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	78348	08/28/12 02:57	TRF	TAL BUF

Client Sample ID: MW-3

Lab Sample ID: 480-24278-3

Date Collected: 08/22/12 11:00

Matrix: Water

Date Received: 08/23/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	78417	08/28/12 13:26	RL	TAL BUF
Total/NA	Analysis	8260B	DL	8	5 mL	5 mL	78507	08/29/12 03:28	TRF	TAL BUF

Client Sample ID: MW-4

Lab Sample ID: 480-24278-4

Date Collected: 08/22/12 11:10

Matrix: Water

Date Received: 08/23/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	78507	08/29/12 03:50	TRF	TAL BUF

Client Sample ID: MW-5

Lab Sample ID: 480-24278-5

Date Collected: 08/22/12 10:45

Matrix: Water

Date Received: 08/23/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	78417	08/28/12 14:57	RL	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: 480-24278-1

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: 480-24278-1

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: 480-24278-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-24278-1	MW-1	Water	08/22/12 10:30	08/23/12 09:00
480-24278-2	MW-2	Water	08/22/12 11:20	08/23/12 09:00
480-24278-3	MW-3	Water	08/22/12 11:00	08/23/12 09:00
480-24278-4	MW-4	Water	08/22/12 11:10	08/23/12 09:00
480-24278-5	MW-5	Water	08/22/12 10:45	08/23/12 09:00

Buffalo
10 Hazelwood Drive
#REF!
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: 8/22/2012	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 / Ballston Spa, NY	Calendar (C) or Work Days (W) ____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below ☐ ____			SDG No.
FAX	☑ 2 weeks			
Project Name. Former RKO Dry Cleaners - Site Char	☐ 1 week			
Site: Site # 401065. Site Characterization Callout #120963	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total VOCs (Full List) via 8260 + TICs	MS/MSD	Sample Specific Notes
MW-1	8/22/12	10:30	GRAB	GW	3		X		
MW-2	8/22/12	11:20	GRAB	GW	3		X		
MW-3	8/22/12	11:00	GRAB	GW	3		X		
MW-4	8/22/12	11:10	GRAB	GW	3		X		
MW-5	8/22/12	10:45	GRAB	GW	3		X		
MS/MSD MW-4	8/22/12	11:10	GRAB	GW	3			X	
			BD						

8-22-12

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 TECH	8/22/2012 13:30		TA	8-22-12 1331
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	TA	8-22-12 1726			8/23/12 0911
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

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

2,8 #3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-24278-1

Login Number: 24278
List Number: 1
Creator: Janish, Carl

List Source: TestAmerica Buffalo

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

ATTACHMENT E

LABORATORY ANALYTICAL REPORT

SOIL VAPOR SAMPLES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 401065

Former RKO Dry Cleaners

Lot #: H2H240431

Ralph Keating

New York State D.E.C.
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 5, 2012

ANALYTICAL METHODS SUMMARY

H2H240431

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H2H240431

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MWAKG	001	SV-1	08/22/12	09:40
MWAKH	002	SV-2	08/22/12	09:35
MWAKJ	003	SV-3	08/22/12	09:26
MWAKK	004	SV-4	08/22/12	09:23
MWAKL	005	AMBIENT AIR	08/22/12	09:43

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H2H240431

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 8/28/12 exhibited a % difference of > 30% for 1,2,4-trichlorobenzene, the results were within the LCS acceptance limits.

Quantitation for ethanol was based on a minimum 5-point calibration curve. The following interim criteria are being used until the method performance for this additional analyte is fully established:

- The initial calibration acceptance criteria is set at 40% RSD. Any compound greater than 40% RSD was changed to a linear or quadratic model with an r2 ≥ 0.990 acceptance criteria.
- There are no criteria for second source standard verification % D. The second source standard was independently prepared from the same parent mixture (as the primary source).
- The continuing calibration verification criteria are set at 50% D. Any compound greater than 50% D must pass the LCS criteria.
- The LCS recovery criteria are set at 20% to 180%.
- A method detection limit study has not been performed. The detection of the analyte is demonstrated by detection of the calibration standard at the reporting limit. No estimated results are reported below the reporting limit.

PROJECT NARRATIVE
H2H240431

Samples SV-1 and SV-2 were received with a pressure of - 26 or lower inches of mercury. Flow controllers are set to take approximately 4 to 5 liters of sample. This would result in an ending pressure of approximately - 5 inches of Hg. In order to proceed with analysis, the canister was pressurized due to insufficient sample. This pressurization (dilution) may result in higher reporting limits than desired. All flow controllers are cleaned and verified to be in good working condition prior to being sent to the field. The flow controller was also checked upon receipt and was confirmed to be working properly. After consultation with the client, the sample was cancelled.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

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.

New York State D.E.C.

Client Sample ID: SV-3

GC/MS Volatiles

Lot-Sample # H2H240431 - 003 **Work Order #** MWAKJ1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/27/2012 **Analysis Date...** 08/28/2012
Prep Batch #.....: 2241042
Dilution Factor.: 508.6 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	41	ND	130
Benzyl chloride	ND	81	ND	420
Bromodichloromethane	ND	41	ND	270
Bromoform	ND	41	ND	420
Bromomethane	ND	41	ND	160
2-Butanone (MEK)	ND	160	ND	480
tert-Butyl alcohol	ND	160	ND	490
Carbon tetrachloride	ND	20	ND	130
Chlorobenzene	ND	41	ND	190
Dibromochloromethane	ND	41	ND	350
Chloroethane	ND	41	ND	110
Chloroform	ND	41	ND	200
Chloromethane	ND	100	ND	210
Cyclohexane	ND	100	ND	350
1,2-Dibromoethane (EDB)	ND	41	ND	310
1,2-Dichlorobenzene	ND	41	ND	240
1,3-Dichlorobenzene	ND	41	ND	240
1,4-Dichlorobenzene	ND	41	ND	240
Dichlorodifluoromethane	ND	41	ND	200
1,1-Dichloroethane	ND	41	ND	160
1,2-Dichloroethane	ND	41	ND	160
cis-1,2-Dichloroethene	**320**	**41**	**1300**	**160**
trans-1,2-Dichloroethene	ND	41	ND	160
1,1-Dichloroethene	ND	41	ND	160
1,2-Dichloropropane	ND	41	ND	190
cis-1,3-Dichloropropene	ND	41	ND	180
trans-1,3-Dichloropropene	ND	41	ND	180
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	41	ND	280
1,4-Dioxane	ND	100	ND	370
Ethanol	ND	410	ND	770
Ethylbenzene	ND	41	ND	180
Hexachlorobutadiene	ND	41	ND	430
n-Hexane	ND	100	ND	360
Methylene chloride	ND	100	ND	350
4-Methyl-2-pentanone (MIBK)	ND	100	ND	420
Methyl tert-butyl ether	ND	81	ND	290
Styrene	ND	41	ND	170

New York State D.E.C.

Client Sample ID: SV-3

GC/MS Volatiles

Lot-Sample # H2H240431 - 003 **Work Order #** MWAKJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	41	ND	280
Tetrachloroethene	**7400**	**41**	**50000**	**280**
Toluene	ND	41	ND	150
1,2,4-Trichlorobenzene	ND	41	ND	300
1,1,1-Trichloroethane	ND	41	ND	220
1,1,2-Trichloroethane	ND	41	ND	220
Trichloroethene	**790**	**20**	**4200**	**110**
Trichlorofluoromethane	**46**	**41**	**260**	**230**
1,1,2-Trichlorotrifluoroethane	ND	41	ND	310
1,2,4-Trimethylbenzene	ND	41	ND	200
1,3,5-Trimethylbenzene	ND	41	ND	200
2,2,4-Trimethylpentane	ND	100	ND	480
Vinyl chloride	ND	41	ND	100
m-Xylene & p-Xylene	ND	41	ND	180
o-Xylene	ND	41	ND	180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: SV-4

GC/MS Volatiles

Lot-Sample # H2H240431 - 004 **Work Order #** MWAKK1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/28/2012 **Analysis Date...** 08/29/2012
Prep Batch #.....: 2241118
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.36**	**0.080**	**1.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**1.4**	**0.32**	**4.3**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.078**	**0.040**	**0.49**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.59**	**0.20**	**1.2**	**0.41**
Cyclohexane	**0.26**	**0.20**	**0.88**	**0.69**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.5**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**56**	**0.80**	**110**	**1.5**
Ethylbenzene	**0.34**	**0.080**	**1.5**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.91**	**0.20**	**3.2**	**0.70**
Methylene chloride	**1.1**	**0.20**	**3.7**	**0.69**
4-Methyl-2-pentanone (MIBK)	**16**	**0.20**	**65**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: SV-4

GC/MS Volatiles

Lot-Sample # H2H240431 - 004 **Work Order #** MWAKK1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**1.0**	**0.080**	**6.9**	**0.54**
Toluene	**1.4**	**0.080**	**5.3**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.31**	**0.080**	**1.8**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.25**	**0.080**	**1.2**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	**0.35**	**0.20**	**1.6**	**0.93**
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.98**	**0.080**	**4.3**	**0.35**
o-Xylene	**0.32**	**0.080**	**1.4**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2H240431 - 005 **Work Order #** MWAKL1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/27/2012 **Analysis Date...** 08/28/2012
Prep Batch #.....: 2241042
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.22**	**0.080**	**0.69**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**0.59**	**0.32**	**1.7**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.059**	**0.040**	**0.37**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.40**	**0.20**	**0.83**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.36**	**0.080**	**1.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**20**	**0.80**	**38**	**1.5**
Ethylbenzene	**0.11**	**0.080**	**0.50**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.50**	**0.20**	**1.8**	**0.70**
Methylene chloride	**0.24**	**0.20**	**0.84**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2H240431 - 005 **Work Order #** MWAKL1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.13**	**0.080**	**0.89**	**0.54**
Toluene	**0.73**	**0.080**	**2.7**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.099**	**0.080**	**0.49**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.35**	**0.080**	**1.5**	**0.35**
o-Xylene	**0.14**	**0.080**	**0.60**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 042B **Work Order #** MWCGE1AA **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/27/2012	**Analysis Date...**	08/27/2012
Prep Batch #.....:	2241042		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 042B **Work Order #** MWCGE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 042C **Work Order #** MWCGE1AC **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/27/2012	**Analysis Date...**	08/27/2012
Prep Batch #.....:	2241042		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	4.45	16	14.2	89	70 - 130
Benzyl chloride	5.00	4.89	26	25.3	98	70 - 130
Bromodichloromethane	5.00	4.74	34	31.7	95	70 - 130
Bromoform	5.00	4.18	52	43.3	84	60 - 140
Bromomethane	5.00	4.41	19	17.1	88	70 - 130
2-Butanone (MEK)	5.00	3.88	15	11.4	78	60 - 140
tert-Butyl alcohol	5.00	5.14	15	15.6	103	60 - 140
Carbon tetrachloride	5.00	4.88	31	30.7	98	70 - 130
Chlorobenzene	5.00	4.40	23	20.3	88	70 - 130
Dibromochloromethane	5.00	4.54	43	38.7	91	70 - 130
Chloroethane	5.00	4.54	13	12.0	91	70 - 130
Chloroform	5.00	4.83	24	23.6	97	70 - 130
Chloromethane	5.00	5.19	10	10.7	104	60 - 140
Cyclohexane	5.00	4.51	17	15.5	90	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.55	38	35.0	91	70 - 130
1,2-Dichlorobenzene	5.00	4.46	30	26.8	89	70 - 130
1,3-Dichlorobenzene	5.00	4.50	30	27.0	90	70 - 130
1,4-Dichlorobenzene	5.00	4.62	30	27.8	92	70 - 130
Dichlorodifluoromethane	5.00	5.07	25	25.1	101	60 - 140
1,1-Dichloroethane	5.00	4.83	20	19.5	97	70 - 130
1,2-Dichloroethane	5.00	4.65	20	18.8	93	70 - 130
cis-1,2-Dichloroethene	5.00	4.75	20	18.8	95	70 - 130
trans-1,2-Dichloroethene	5.00	4.70	20	18.6	94	70 - 130
1,1-Dichloroethene	5.00	4.72	20	18.7	94	70 - 130
1,2-Dichloropropane	5.00	4.40	23	20.3	88	70 - 130
cis-1,3-Dichloropropene	5.00	4.75	23	21.6	95	70 - 130
trans-1,3-Dichloropropene	5.00	4.82	23	21.9	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.03	35	35.2	101	60 - 140
1,4-Dioxane	5.00	4.16	18	15.0	83	60 - 140
Ethanol	24.6	21.1	46	39.8	86	20 - 180
Ethylbenzene	5.00	4.51	22	19.6	90	70 - 130
Hexachlorobutadiene	5.00	4.31	53	45.9	86	60 - 140
n-Hexane	5.00	4.79	18	16.9	96	70 - 130
Methylene chloride	5.00	4.34	17	15.1	87	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	4.39	20	18.0	88	60 - 140
Methyl tert-butyl ether	5.00	4.69	18	16.9	94	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 042C **Work Order #** MWCGE1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	4.81	21	20.5	96	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.41	34	30.3	88	70 - 130
Tetrachloroethene	5.00	4.35	34	29.5	87	70 - 130
Toluene	5.00	4.32	19	16.3	86	70 - 130
1,2,4-Trichlorobenzene	5.00	4.94	37	36.7	99	60 - 140
1,1,1-Trichloroethane	5.00	4.87	27	26.6	97	70 - 130
1,1,2-Trichloroethane	5.00	4.33	27	23.6	87	70 - 130
Trichloroethene	5.00	4.56	27	24.5	91	70 - 130
Trichlorofluoromethane	5.00	4.84	28	27.2	97	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	4.75	38	36.4	95	70 - 130
1,2,4-Trimethylbenzene	5.00	4.56	25	22.4	91	70 - 130
1,3,5-Trimethylbenzene	5.00	4.62	25	22.7	92	70 - 130
2,2,4-Trimethylpentane	5.00	4.57	23	21.4	91	70 - 130
Vinyl chloride	5.00	4.77	13	12.2	95	70 - 130
m-Xylene & p-Xylene	10.0	9.00	43	39.1	90	70 - 130
o-Xylene	5.00	4.50	22	19.6	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 118B **Work Order #** MWC0W1AA **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/28/2012	**Analysis Date...**	08/28/2012
Prep Batch #.....:	2241118		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 118B **Work Order #** MWC0W1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 118C **Work Order #** MWC0W1AC **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/28/2012	**Analysis Date...**	08/28/2012
Prep Batch #.....:	2241118		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	5.16	16	16.5	103	70 - 130
Benzyl chloride	5.00	5.70	26	29.5	114	70 - 130
Bromodichloromethane	5.00	5.90	34	39.5	118	70 - 130
Bromoform	5.00	4.63	52	47.8	93	60 - 140
Bromomethane	5.00	5.70	19	22.1	114	70 - 130
2-Butanone (MEK)	5.00	4.61	15	13.6	92	60 - 140
tert-Butyl alcohol	5.00	4.46	15	13.5	89	60 - 140
Carbon tetrachloride	5.00	6.03	31	38.0	121	70 - 130
Chlorobenzene	5.00	5.39	23	24.8	108	70 - 130
Dibromochloromethane	5.00	5.63	43	48.0	113	70 - 130
Chloroethane	5.00	5.61	13	14.8	112	70 - 130
Chloroform	5.00	5.54	24	27.1	111	70 - 130
Chloromethane	5.00	5.59	10	11.5	112	60 - 140
Cyclohexane	5.00	5.23	17	18.0	105	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.64	38	43.3	113	70 - 130
1,2-Dichlorobenzene	5.00	5.31	30	31.9	106	70 - 130
1,3-Dichlorobenzene	5.00	5.40	30	32.4	108	70 - 130
1,4-Dichlorobenzene	5.00	5.33	30	32.1	107	70 - 130
Dichlorodifluoromethane	5.00	5.49	25	27.2	110	60 - 140
1,1-Dichloroethane	5.00	5.32	20	21.5	106	70 - 130
1,2-Dichloroethane	5.00	5.85	20	23.7	117	70 - 130
cis-1,2-Dichloroethene	5.00	5.26	20	20.9	105	70 - 130
trans-1,2-Dichloroethene	5.00	5.18	20	20.6	104	70 - 130
1,1-Dichloroethene	5.00	5.22	20	20.7	104	70 - 130
1,2-Dichloropropane	5.00	5.28	23	24.4	106	70 - 130
cis-1,3-Dichloropropene	5.00	5.66	23	25.7	113	70 - 130
trans-1,3-Dichloropropene	5.00	5.86	23	26.6	117	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.51	35	38.5	110	60 - 140
1,4-Dioxane	5.00	4.87	18	17.5	97	60 - 140
Ethanol	24.6	26.1	46	49.2	106	20 - 180
Ethylbenzene	5.00	5.72	22	24.9	114	70 - 130
Hexachlorobutadiene	5.00	4.64	53	49.4	93	60 - 140
n-Hexane	5.00	5.09	18	17.9	102	70 - 130
Methylene chloride	5.00	5.03	17	17.5	101	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.17	20	21.2	103	60 - 140
Methyl tert-butyl ether	5.00	5.60	18	20.2	112	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 118C **Work Order #** MWC0W1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	5.76	21	24.5	115	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.58	34	38.3	112	70 - 130
Tetrachloroethene	5.00	5.40	34	36.6	108	70 - 130
Toluene	5.00	5.39	19	20.3	108	70 - 130
1,2,4-Trichlorobenzene	5.00	3.40	37	25.3	68	60 - 140
1,1,1-Trichloroethane	5.00	6.19	27	33.8	124	70 - 130
1,1,2-Trichloroethane	5.00	5.43	27	29.6	109	70 - 130
Trichloroethene	5.00	5.43	27	29.2	109	70 - 130
Trichlorofluoromethane	5.00	5.90	28	33.1	118	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	5.34	38	40.9	107	70 - 130
1,2,4-Trimethylbenzene	5.00	5.98	25	29.4	120	70 - 130
1,3,5-Trimethylbenzene	5.00	5.44	25	26.7	109	70 - 130
2,2,4-Trimethylpentane	5.00	5.25	23	24.5	105	70 - 130
Vinyl chloride	5.00	5.68	13	14.5	114	70 - 130
m-Xylene & p-Xylene	10.0	11.6	43	50.5	116	70 - 130
o-Xylene	5.00	5.89	22	25.6	118	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Test America Knoxville GC/MS Volatiles

Lot ID: H2H240431 **Batch #:** 10038
Matrix: Air **Can #:** 6621
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H2H240431 **Batch #:** 10038
Matrix: Air **Can #:** 6621
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Toluene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)

Data File: /var/chem/gcms/mj.i/J081512.b/jblkh15.d
Report Date: 15-Aug-2012 12:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J081512.b/jblkh15.d
Lab Smp Id: LOT 10038 Client Smp ID: CAN 6621
Inj Date : 15-AUG-2012 12:11
Operator : 7126 Inst ID: mj.i
Smp Info : LOT 10038,,3,,,CAN 6621
Misc Info : J081512,TO15,1-all.sub,,,
Comment :
Method : /chem/gcms/mj.i/J081512.b/TO15.m
Meth Date : 15-Aug-2012 12:49 tajh Quant Type: ISTD
Cal Date : 24-MAY-2012 13:43 Cal File: jice241.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: blkchklowny.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.930	8.938	(1.000)	251942	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.109	11.122	(1.000)	1123720	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.851	(1.000)	941350	4.00000	4.000
	13 n-Butane	43	4.218	4.344	(0.472)	23720	~~0.20722~~	~~0.2072~~
	19 2-methyl butane	43	5.488	5.156	(0.614)	38414	~~0.42771~~	~~0.4277~~
	39 2-Butanone	72	8.156	8.169	(0.913)	4866	0.17795	0.1780
	117 ~ 2-Methylnaphthalene	142	22.239	22.241	(1.403)	4452	0.45635	0.4563
	118 ~ 1-methylnaphthalene	142	22.239	22.381	(1.403)	4452	~~0.47502~~	~~0.4750~~

RL0.32
RL1.0

Ok 500mL
no acetaldehyde
8/15/12

Buffalo
10 Hazelwood Drive
#REF!
Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

H2H240431

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date: 8/22/12	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 / Ballston Spa, NY	Calendar (C) or Work Days (W) ____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below ____			
FAX	☒ 2 weeks			SDG No.
Project Name: Former RKO Dry Cleaners - Site Char.	☐ 1 week			
Site: Site # 401065; Site Characterization Callout #120963	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Full VOCs via TO-15	Sample Specific Notes:
SV-1	8/22/12	940	GRAB	SV	1		X	Soil Vapor - Can # 7488
SV-2		935	GRAB	SV	1		X	Soil Vapor - Can # 04339
SV-3		926	GRAB	SV	1		X	Soil Vapor - Can # 92021
SV-4		923	GRAB	SV	1		X	Soil Vapor - Can # 93245
Ambient Air		943	GRAB	Air	1		X	Can # 1520
		BD	8-22-12					1 Box Rec'd @ Ambient Temp without custody Seal 8/23/12
								1 Box FedEx # 4108 5808 5010
								5 cans / 5 flows / 5 cc

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	8/22/12 1330		TA	8-22-12 1330
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	8-22-12 1700		TAKNOX	8/23/12 950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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

Vapor Sample Inventory
Former RKO Cleaners
566 Washington Ave
Albany, NY
NYSDEC Site # 401065

H21H240431

Sample ID	Date	Test Time		Vacuum		ID Number	
		Start	End	Start	End	Can	Reg.
SV-1	8 22 12	940	1145	-30	-28	7488	K253
SV-2	8 22 12	935	1137	-30	-28	04339	K410
SV-3	8 22 12	926	1126	-29	-8	92021	K243
SV-4	8 22 12	923	1125	-30	-5	93245	K453
Ambient Air	8 22 12	943	1147	-30	-10	1520	K258

Vacuum in inches Hg

NOTES: SV1 AND SV2 NOT DRAWING INTO SUMMA CANISTER. RAISED TUBING 3" STILL NOT DRAWING

Data Collected By: CA Date: 8 22 12

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H2H2404431

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	4B
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?		✓		☐ **19a** Other	

Quote #: 90810 PM Instructions: NA

Sample Receiving Associate: _____ Date: 4/23/12

QA026R23.doc, 022812

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H2H240431*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
8/24/12	1117	28.93	MWAKG	7488	-25.9	+1.3												10038
			MWAKH	04339	-26.3	+2.1												
			MWAKJ	92021	-7.1	+1.1	8/27/12	S	28.87						92051	50	+3.5	
			MWAKK	93245	-3.3	-												
			MWAKL	1520	-2.5	-												

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 401065

Former RKO Dry Cleaners

Lot #: H2H240431

Ralph Keating

New York State D.E.C.
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 5, 2012

ANALYTICAL METHODS SUMMARY

H2H240431

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H2H240431

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MWAKG	001	SV-1	08/22/12	09:40
MWAKH	002	SV-2	08/22/12	09:35
MWAKJ	003	SV-3	08/22/12	09:26
MWAKK	004	SV-4	08/22/12	09:23
MWAKL	005	AMBIENT AIR	08/22/12	09:43

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H2H240431

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 8/28/12 exhibited a % difference of > 30% for 1,2,4-trichlorobenzene, the results were within the LCS acceptance limits.

Quantitation for ethanol was based on a minimum 5-point calibration curve. The following interim criteria are being used until the method performance for this additional analyte is fully established:

- The initial calibration acceptance criteria is set at 40% RSD. Any compound greater than 40% RSD was changed to a linear or quadratic model with an r2 ≥ 0.990 acceptance criteria.
- There are no criteria for second source standard verification % D. The second source standard was independently prepared from the same parent mixture (as the primary source).
- The continuing calibration verification criteria are set at 50% D. Any compound greater than 50% D must pass the LCS criteria.
- The LCS recovery criteria are set at 20% to 180%.
- A method detection limit study has not been performed. The detection of the analyte is demonstrated by detection of the calibration standard at the reporting limit. No estimated results are reported below the reporting limit.

PROJECT NARRATIVE
H2H240431

Samples SV-1 and SV-2 were received with a pressure of - 26 or lower inches of mercury. Flow controllers are set to take approximately 4 to 5 liters of sample. This would result in an ending pressure of approximately - 5 inches of Hg. In order to proceed with analysis, the canister was pressurized due to insufficient sample. This pressurization (dilution) may result in higher reporting limits than desired. All flow controllers are cleaned and verified to be in good working condition prior to being sent to the field. The flow controller was also checked upon receipt and was confirmed to be working properly. After consultation with the client, the sample was cancelled.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

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.

New York State D.E.C.

Client Sample ID: SV-3

GC/MS Volatiles

Lot-Sample # H2H240431 - 003 **Work Order #** MWAKJ1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/27/2012 **Analysis Date...** 08/28/2012
Prep Batch #.....: 2241042
Dilution Factor.: 508.6 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	41	ND	130
Benzyl chloride	ND	81	ND	420
Bromodichloromethane	ND	41	ND	270
Bromoform	ND	41	ND	420
Bromomethane	ND	41	ND	160
2-Butanone (MEK)	ND	160	ND	480
tert-Butyl alcohol	ND	160	ND	490
Carbon tetrachloride	ND	20	ND	130
Chlorobenzene	ND	41	ND	190
Dibromochloromethane	ND	41	ND	350
Chloroethane	ND	41	ND	110
Chloroform	ND	41	ND	200
Chloromethane	ND	100	ND	210
Cyclohexane	ND	100	ND	350
1,2-Dibromoethane (EDB)	ND	41	ND	310
1,2-Dichlorobenzene	ND	41	ND	240
1,3-Dichlorobenzene	ND	41	ND	240
1,4-Dichlorobenzene	ND	41	ND	240
Dichlorodifluoromethane	ND	41	ND	200
1,1-Dichloroethane	ND	41	ND	160
1,2-Dichloroethane	ND	41	ND	160
cis-1,2-Dichloroethene	**320**	**41**	**1300**	**160**
trans-1,2-Dichloroethene	ND	41	ND	160
1,1-Dichloroethene	ND	41	ND	160
1,2-Dichloropropane	ND	41	ND	190
cis-1,3-Dichloropropene	ND	41	ND	180
trans-1,3-Dichloropropene	ND	41	ND	180
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	41	ND	280
1,4-Dioxane	ND	100	ND	370
Ethanol	ND	410	ND	770
Ethylbenzene	ND	41	ND	180
Hexachlorobutadiene	ND	41	ND	430
n-Hexane	ND	100	ND	360
Methylene chloride	ND	100	ND	350
4-Methyl-2-pentanone (MIBK)	ND	100	ND	420
Methyl tert-butyl ether	ND	81	ND	290
Styrene	ND	41	ND	170

New York State D.E.C.

Client Sample ID: SV-3

GC/MS Volatiles

Lot-Sample # H2H240431 - 003 **Work Order #** MWAKJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	41	ND	280
Tetrachloroethene	**7400**	**41**	**50000**	**280**
Toluene	ND	41	ND	150
1,2,4-Trichlorobenzene	ND	41	ND	300
1,1,1-Trichloroethane	ND	41	ND	220
1,1,2-Trichloroethane	ND	41	ND	220
Trichloroethene	**790**	**20**	**4200**	**110**
Trichlorofluoromethane	**46**	**41**	**260**	**230**
1,1,2-Trichlorotrifluoroethane	ND	41	ND	310
1,2,4-Trimethylbenzene	ND	41	ND	200
1,3,5-Trimethylbenzene	ND	41	ND	200
2,2,4-Trimethylpentane	ND	100	ND	480
Vinyl chloride	ND	41	ND	100
m-Xylene & p-Xylene	ND	41	ND	180
o-Xylene	ND	41	ND	180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: SV-4

GC/MS Volatiles

Lot-Sample # H2H240431 - 004 **Work Order #** MWAKK1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/28/2012 **Analysis Date...** 08/29/2012
Prep Batch #.....: 2241118
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.36**	**0.080**	**1.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**1.4**	**0.32**	**4.3**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.078**	**0.040**	**0.49**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.59**	**0.20**	**1.2**	**0.41**
Cyclohexane	**0.26**	**0.20**	**0.88**	**0.69**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.5**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**56**	**0.80**	**110**	**1.5**
Ethylbenzene	**0.34**	**0.080**	**1.5**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.91**	**0.20**	**3.2**	**0.70**
Methylene chloride	**1.1**	**0.20**	**3.7**	**0.69**
4-Methyl-2-pentanone (MIBK)	**16**	**0.20**	**65**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: SV-4

GC/MS Volatiles

Lot-Sample # H2H240431 - 004 **Work Order #** MWAKK1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**1.0**	**0.080**	**6.9**	**0.54**
Toluene	**1.4**	**0.080**	**5.3**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.31**	**0.080**	**1.8**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.25**	**0.080**	**1.2**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	**0.35**	**0.20**	**1.6**	**0.93**
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.98**	**0.080**	**4.3**	**0.35**
o-Xylene	**0.32**	**0.080**	**1.4**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2H240431 - 005 **Work Order #** MWAKL1AA **Matrix.....:** AIR

Date Sampled...: 08/22/2012 **Date Received..:** 08/23/2012
Prep Date.....: 08/27/2012 **Analysis Date...** 08/28/2012
Prep Batch #.....: 2241042
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.22**	**0.080**	**0.69**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**0.59**	**0.32**	**1.7**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.059**	**0.040**	**0.37**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.40**	**0.20**	**0.83**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.36**	**0.080**	**1.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**20**	**0.80**	**38**	**1.5**
Ethylbenzene	**0.11**	**0.080**	**0.50**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.50**	**0.20**	**1.8**	**0.70**
Methylene chloride	**0.24**	**0.20**	**0.84**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2H240431 - 005 **Work Order #** MWAKL1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.13**	**0.080**	**0.89**	**0.54**
Toluene	**0.73**	**0.080**	**2.7**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.099**	**0.080**	**0.49**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.35**	**0.080**	**1.5**	**0.35**
o-Xylene	**0.14**	**0.080**	**0.60**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 042B **Work Order #** MWCGE1AA **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/27/2012	**Analysis Date...**	08/27/2012
Prep Batch #.....:	2241042		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 042B **Work Order #** MWCGE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 042C **Work Order #** MWCGE1AC **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/27/2012	**Analysis Date...**	08/27/2012
Prep Batch #.....:	2241042		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	4.45	16	14.2	89	70 - 130
Benzyl chloride	5.00	4.89	26	25.3	98	70 - 130
Bromodichloromethane	5.00	4.74	34	31.7	95	70 - 130
Bromoform	5.00	4.18	52	43.3	84	60 - 140
Bromomethane	5.00	4.41	19	17.1	88	70 - 130
2-Butanone (MEK)	5.00	3.88	15	11.4	78	60 - 140
tert-Butyl alcohol	5.00	5.14	15	15.6	103	60 - 140
Carbon tetrachloride	5.00	4.88	31	30.7	98	70 - 130
Chlorobenzene	5.00	4.40	23	20.3	88	70 - 130
Dibromochloromethane	5.00	4.54	43	38.7	91	70 - 130
Chloroethane	5.00	4.54	13	12.0	91	70 - 130
Chloroform	5.00	4.83	24	23.6	97	70 - 130
Chloromethane	5.00	5.19	10	10.7	104	60 - 140
Cyclohexane	5.00	4.51	17	15.5	90	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.55	38	35.0	91	70 - 130
1,2-Dichlorobenzene	5.00	4.46	30	26.8	89	70 - 130
1,3-Dichlorobenzene	5.00	4.50	30	27.0	90	70 - 130
1,4-Dichlorobenzene	5.00	4.62	30	27.8	92	70 - 130
Dichlorodifluoromethane	5.00	5.07	25	25.1	101	60 - 140
1,1-Dichloroethane	5.00	4.83	20	19.5	97	70 - 130
1,2-Dichloroethane	5.00	4.65	20	18.8	93	70 - 130
cis-1,2-Dichloroethene	5.00	4.75	20	18.8	95	70 - 130
trans-1,2-Dichloroethene	5.00	4.70	20	18.6	94	70 - 130
1,1-Dichloroethene	5.00	4.72	20	18.7	94	70 - 130
1,2-Dichloropropane	5.00	4.40	23	20.3	88	70 - 130
cis-1,3-Dichloropropene	5.00	4.75	23	21.6	95	70 - 130
trans-1,3-Dichloropropene	5.00	4.82	23	21.9	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.03	35	35.2	101	60 - 140
1,4-Dioxane	5.00	4.16	18	15.0	83	60 - 140
Ethanol	24.6	21.1	46	39.8	86	20 - 180
Ethylbenzene	5.00	4.51	22	19.6	90	70 - 130
Hexachlorobutadiene	5.00	4.31	53	45.9	86	60 - 140
n-Hexane	5.00	4.79	18	16.9	96	70 - 130
Methylene chloride	5.00	4.34	17	15.1	87	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	4.39	20	18.0	88	60 - 140
Methyl tert-butyl ether	5.00	4.69	18	16.9	94	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 042C **Work Order #** MWCGE1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	4.81	21	20.5	96	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.41	34	30.3	88	70 - 130
Tetrachloroethene	5.00	4.35	34	29.5	87	70 - 130
Toluene	5.00	4.32	19	16.3	86	70 - 130
1,2,4-Trichlorobenzene	5.00	4.94	37	36.7	99	60 - 140
1,1,1-Trichloroethane	5.00	4.87	27	26.6	97	70 - 130
1,1,2-Trichloroethane	5.00	4.33	27	23.6	87	70 - 130
Trichloroethene	5.00	4.56	27	24.5	91	70 - 130
Trichlorofluoromethane	5.00	4.84	28	27.2	97	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	4.75	38	36.4	95	70 - 130
1,2,4-Trimethylbenzene	5.00	4.56	25	22.4	91	70 - 130
1,3,5-Trimethylbenzene	5.00	4.62	25	22.7	92	70 - 130
2,2,4-Trimethylpentane	5.00	4.57	23	21.4	91	70 - 130
Vinyl chloride	5.00	4.77	13	12.2	95	70 - 130
m-Xylene & p-Xylene	10.0	9.00	43	39.1	90	70 - 130
o-Xylene	5.00	4.50	22	19.6	90	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 118B **Work Order #** MWC0W1AA **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/28/2012	**Analysis Date...**	08/28/2012
Prep Batch #.....:	2241118		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2H280000 - 118B **Work Order #** MWC0W1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 118C **Work Order #** MWC0W1AC **Matrix.....:** AIR

	08/22/2012	**Date Received..:**	08/23/2012
Prep Date.....:	08/28/2012	**Analysis Date...**	08/28/2012
Prep Batch #.....:	2241118		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	5.16	16	16.5	103	70 - 130
Benzyl chloride	5.00	5.70	26	29.5	114	70 - 130
Bromodichloromethane	5.00	5.90	34	39.5	118	70 - 130
Bromoform	5.00	4.63	52	47.8	93	60 - 140
Bromomethane	5.00	5.70	19	22.1	114	70 - 130
2-Butanone (MEK)	5.00	4.61	15	13.6	92	60 - 140
tert-Butyl alcohol	5.00	4.46	15	13.5	89	60 - 140
Carbon tetrachloride	5.00	6.03	31	38.0	121	70 - 130
Chlorobenzene	5.00	5.39	23	24.8	108	70 - 130
Dibromochloromethane	5.00	5.63	43	48.0	113	70 - 130
Chloroethane	5.00	5.61	13	14.8	112	70 - 130
Chloroform	5.00	5.54	24	27.1	111	70 - 130
Chloromethane	5.00	5.59	10	11.5	112	60 - 140
Cyclohexane	5.00	5.23	17	18.0	105	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.64	38	43.3	113	70 - 130
1,2-Dichlorobenzene	5.00	5.31	30	31.9	106	70 - 130
1,3-Dichlorobenzene	5.00	5.40	30	32.4	108	70 - 130
1,4-Dichlorobenzene	5.00	5.33	30	32.1	107	70 - 130
Dichlorodifluoromethane	5.00	5.49	25	27.2	110	60 - 140
1,1-Dichloroethane	5.00	5.32	20	21.5	106	70 - 130
1,2-Dichloroethane	5.00	5.85	20	23.7	117	70 - 130
cis-1,2-Dichloroethene	5.00	5.26	20	20.9	105	70 - 130
trans-1,2-Dichloroethene	5.00	5.18	20	20.6	104	70 - 130
1,1-Dichloroethene	5.00	5.22	20	20.7	104	70 - 130
1,2-Dichloropropane	5.00	5.28	23	24.4	106	70 - 130
cis-1,3-Dichloropropene	5.00	5.66	23	25.7	113	70 - 130
trans-1,3-Dichloropropene	5.00	5.86	23	26.6	117	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.51	35	38.5	110	60 - 140
1,4-Dioxane	5.00	4.87	18	17.5	97	60 - 140
Ethanol	24.6	26.1	46	49.2	106	20 - 180
Ethylbenzene	5.00	5.72	22	24.9	114	70 - 130
Hexachlorobutadiene	5.00	4.64	53	49.4	93	60 - 140
n-Hexane	5.00	5.09	18	17.9	102	70 - 130
Methylene chloride	5.00	5.03	17	17.5	101	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.17	20	21.2	103	60 - 140
Methyl tert-butyl ether	5.00	5.60	18	20.2	112	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2H280000 - 118C **Work Order #** MWC0W1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	5.76	21	24.5	115	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.58	34	38.3	112	70 - 130
Tetrachloroethene	5.00	5.40	34	36.6	108	70 - 130
Toluene	5.00	5.39	19	20.3	108	70 - 130
1,2,4-Trichlorobenzene	5.00	3.40	37	25.3	68	60 - 140
1,1,1-Trichloroethane	5.00	6.19	27	33.8	124	70 - 130
1,1,2-Trichloroethane	5.00	5.43	27	29.6	109	70 - 130
Trichloroethene	5.00	5.43	27	29.2	109	70 - 130
Trichlorofluoromethane	5.00	5.90	28	33.1	118	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	5.34	38	40.9	107	70 - 130
1,2,4-Trimethylbenzene	5.00	5.98	25	29.4	120	70 - 130
1,3,5-Trimethylbenzene	5.00	5.44	25	26.7	109	70 - 130
2,2,4-Trimethylpentane	5.00	5.25	23	24.5	105	70 - 130
Vinyl chloride	5.00	5.68	13	14.5	114	70 - 130
m-Xylene & p-Xylene	10.0	11.6	43	50.5	116	70 - 130
o-Xylene	5.00	5.89	22	25.6	118	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Test America Knoxville GC/MS Volatiles

Lot ID: H2H240431 **Batch #:** 10038
Matrix: Air **Can #:** 6621
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H2H240431 **Batch #:** 10038
Matrix: Air **Can #:** 6621
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Toluene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)

Data File: /var/chem/gcms/mj.i/J081512.b/jblkh15.d
Report Date: 15-Aug-2012 12:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J081512.b/jblkh15.d
Lab Smp Id: LOT 10038 Client Smp ID: CAN 6621
Inj Date : 15-AUG-2012 12:11
Operator : 7126 Inst ID: mj.i
Smp Info : LOT 10038,,3,,,CAN 6621
Misc Info : J081512,TO15,1-all.sub,,,
Comment :
Method : /chem/gcms/mj.i/J081512.b/TO15.m
Meth Date : 15-Aug-2012 12:49 tajh Quant Type: ISTD
Cal Date : 24-MAY-2012 13:43 Cal File: jice241.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: blkchklowny.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.930	8.938	(1.000)	251942	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.109	11.122	(1.000)	1123720	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.848	15.851	(1.000)	941350	4.00000	4.000
	13 n-Butane	43	4.218	4.344	(0.472)	23720	~~0.20722~~	~~0.2072~~
	19 2-methyl butane	43	5.488	5.156	(0.614)	38414	~~0.42771~~	~~0.4277~~
	39 2-Butanone	72	8.156	8.169	(0.913)	4866	0.17795	0.1780
	117 ~ 2-Methylnaphthalene	142	22.239	22.241	(1.403)	4452	0.45635	0.4563
	118 ~ 1-methylnaphthalene	142	22.239	22.381	(1.403)	4452	~~0.47502~~	~~0.4750~~

RL0.32
RL1.0

Ok 500mL
no acetaldehyde
8/15/12

Buffalo
10 Hazelwood Drive
#REF!
Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

H2H240431

Chain of Custody Record

Client Contact	Project Manager: Ralph Keating /Randy Hoose	Site Contact:	Date: 8/22/12	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 / Ballston Spa, NY	Calendar (C) or Work Days (W) ____			
(518) 402-9767 / (518) 885-5383	TAT if different from Below ____			
FAX	☒ 2 weeks			SDG No.
Project Name: Former RKO Dry Cleaners - Site Char.	☐ 1 week			
Site: Site # 401065; Site Characterization Callout #120963	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Full VOCs via TO-15	Sample Specific Notes:
SV-1	8/22/12	940	GRAB	SV	1		X	Soil Vapor - Can # 7488
SV-2		935	GRAB	SV	1		X	Soil Vapor - Can # 04339
SV-3		926	GRAB	SV	1		X	Soil Vapor - Can # 92021
SV-4		923	GRAB	SV	1		X	Soil Vapor - Can # 93245
Ambient Air		943	GRAB	Air	1		X	Can # 1520
		BD	8-22-12					1 Box Rec'd @ Ambient Temp without custody Seal 8/23/12
								1 Box FedEx # 4108 5808 5010
								5 cans / 5 flows / 5 cc

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	8/22/12 1330		TA	8-22-12 1330
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	8-22-12 1700		TAKNOX	8/23/12 950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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

Vapor Sample Inventory
Former RKO Cleaners
566 Washington Ave
Albany, NY
NYSDEC Site # 401065

H21H240431

Sample ID	Date	Test Time		Vacuum		ID Number	
		Start	End	Start	End	Can	Reg.
SV-1	8 22 12	940	1145	-30	-28	7488	K253
SV-2	8 22 12	935	1137	-30	-28	04339	K410
SV-3	8 22 12	926	1126	-29	-8	92021	K243
SV-4	8 22 12	923	1125	-30	-5	93245	K453
Ambient Air	8 22 12	943	1147	-30	-10	1520	K258

Vacuum in inches Hg

NOTES: SV1 AND SV2 NOT DRAWING INTO SUMMA CANISTER. RAISED TUBING 3" STILL NOT DRAWING

Data Collected By: CA Date: 8 22 12

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H2H2404431

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	4B
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?		✓		☐ **19a** Other	

Quote #: 90810 PM Instructions: NA

Sample Receiving Associate: _____ Date: 4/23/12

QA026R23.doc, 022812

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H2H240431*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
8/24/12	1117	28.93	MWAKG	7488	-25.9	+1.3												10038
			MWAKH	04339	-26.3	+2.1												
			MWAKJ	92021	-7.1	+1.1	8/27/12	S	28.87						92051	50	+3.5	
			MWAKK	93245	-3.3	-												
			MWAKL	1520	-2.5	-												

ATTACHMENT F

SOIL VAPOR INTRUSION

SAMPLING NOTES AND PHOTOGRAPHS

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 564 Washington Ave Basement area showing collection of indoor air sample 564 IA.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 564 Washington Ave Basement area showing collection of sub-slab vapor sample 564 SS.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area showing one of two oil-fired furnaces and one of two natural gas fired hot water heaters.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area showing closer view of natural gas fired hot water heater shown in previous photograph.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area showing 275-gallon fuel oil storage tank.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area showing sanitary piping and drain through floor.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area - second of two oil-fired furnaces and second of two natural gas fired hot water heaters.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 564 Washington Ave Basement area showing closer view of natural gas fired hot water heater shown in previous photograph.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 564 Washington Ave Basement area showing floor drain.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 564 Washington Ave Washer/dryer located in basement area.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 564 Washington Ave General view of basement area.	

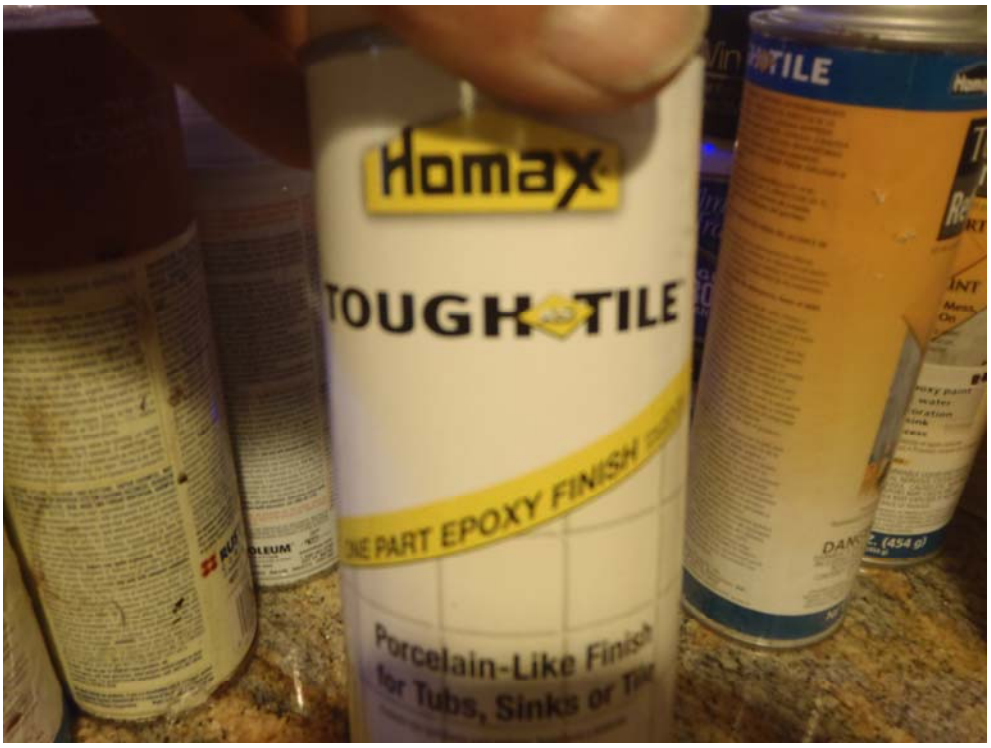
Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Collection of sub-slab vapor sample 182 SS from within Bar Area of 182 Ontario Street.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 182 Ontario Street Collection of indoor air sample 182 IA and blind duplicate sample from within Bar Area of 182 Ontario Street.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 182 Ontario Street Storage shelf containing cleaning supplies, paint and other household products located in storage room of 182 Ontario Street.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

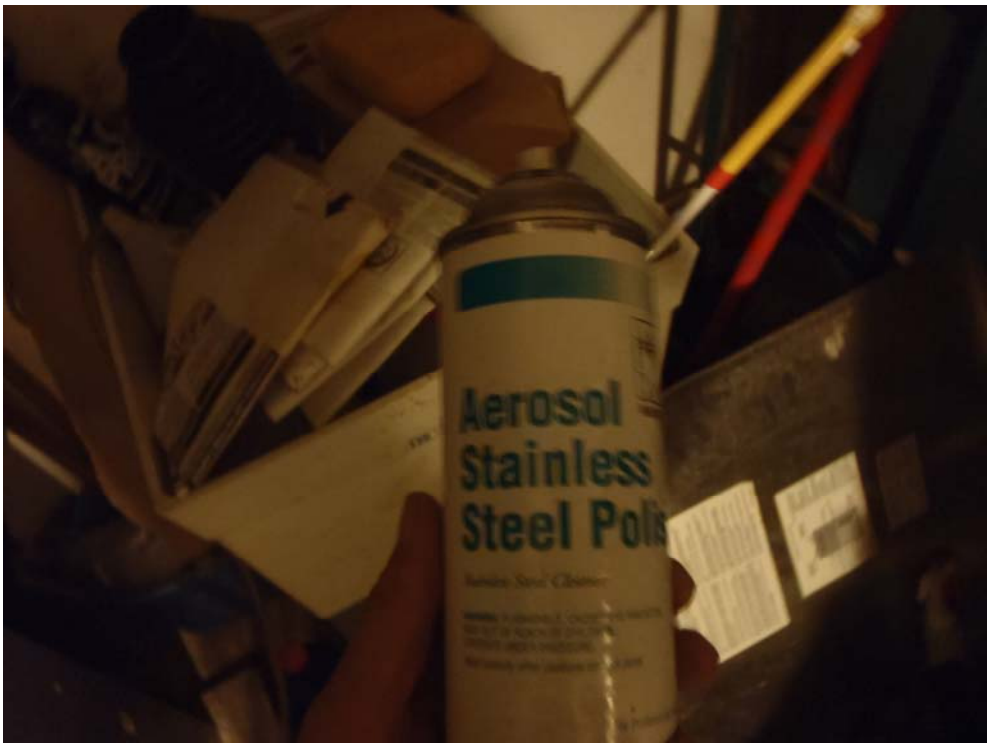
Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

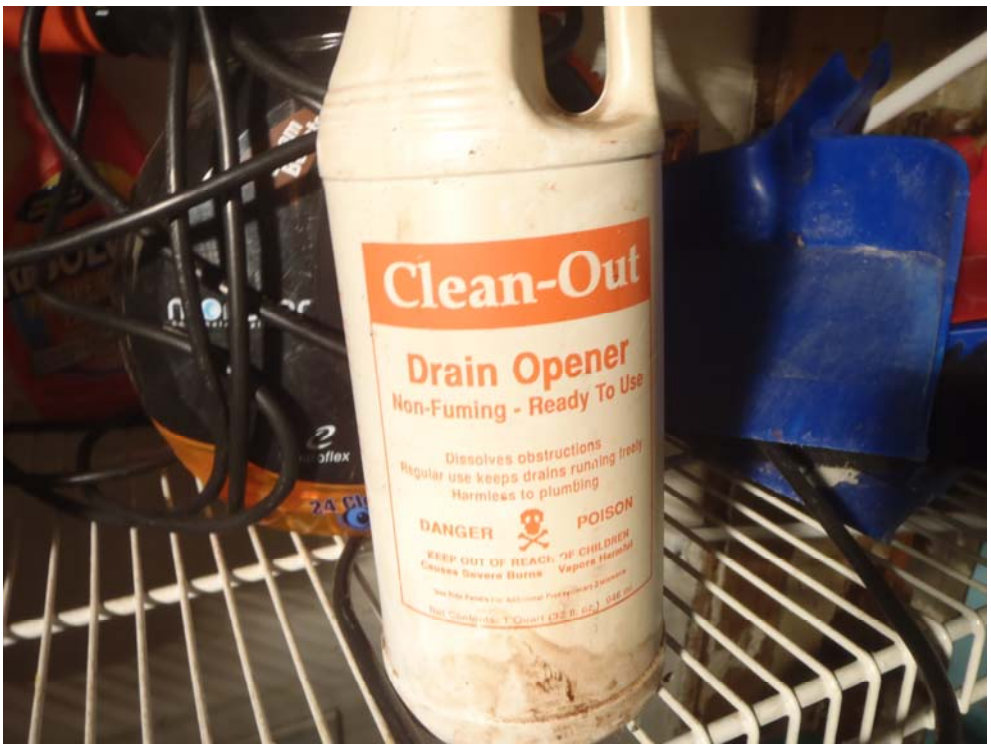
Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Paint product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Insecticide product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Drain-opening product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

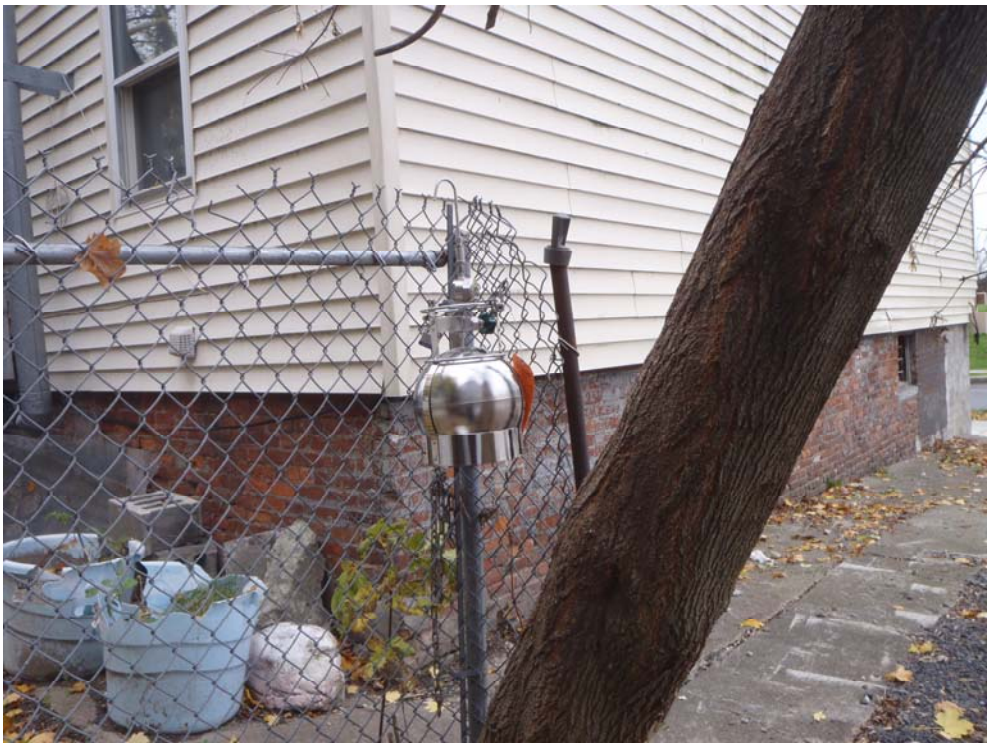
Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Spray adhesive stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Cleaning product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Floor care product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 182 Ontario Street Insecticide product stored on shelf at 182 Ontario Street.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking West	
Subject: Outdoor Air Sample Ambient outdoor air sample collected during November, 2012 vapor intrusion sampling. 182 Ontario Street in background.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: Looking East	
Subject: Outdoor Air Sample Ambient outdoor air sample collected during November, 2012 vapor intrusion sampling. 564 Washington Ave in background.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 562 Washington Ave Basement area showing collection of sub-slab vapor sample 562 SS.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 562 Washington Ave Basement area showing collection of indoor air sample 562 IA.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 562 Washington Ave Basement area showing natural gas fired hot air heating system.	

Site: Former RKO Dry Cleaners Location: 566 Washington Ave., Albany, NY Direction: NA Subject: 562 Washington Ave Basement area showing natural gas fired hot water heaters.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 562 Washington Ave Basement area showing sanitary piping through basement floor.	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 562 Washington Ave Basement area showing apparent floor drain	

Site: Former RKO Dry Cleaners	
Location: 566 Washington Ave., Albany, NY	
Direction: NA	
Subject: 562 Washington Ave Basement area showing apparent floor drain	

Structure Sampling Field Log

Site Number & Name: FORMER RKO CLEANERS

Structure ID: *564

Samplers & Company: CARL ALWISCH / AZTECH

Sample Date: 11/1/12

Structure Address: 564 WASHINGTON AVE

Phone Number: 877-787-5077

Owner Name and Address (if different): PRIMERITY REALTORS (LON NARCAVAGE / SY/VIA BRITT)

Weather & Outdoor Temperature: CLOUDY

Slab Condition : ☐ Dirt Floor ☒ Poor (major cracks) ☒ Average (some cracks) ☐ Good (minor cracks)

Floor Penetrations: (select all present) ☒ Sump Pit ☒ Floor Drain ☐ Perimeter Drain ☐ Other Describe:

Standing Water: (select all present) Basement is Dry ☒ | Floor Penetrations are Damp ☐ | Standing Water in Floor Penetrations ☐ | Standing Water on Basement Floor ☐

Building Questionnaire Completed: ☒ Yes ☐ No | Product Inventory Completed: ☒ Yes ☐ No | Layout Sketch Completed: ☒ Yes ☐ No

Sample ID:	564SS	564IA			
Location Description:	BASEMENT	BASEMENT			
Canister ID:	12648	6574			
Regulator ID:	K469	K491			
Slab Thickness:	3"				
Sub-Slab Material:	CONCRETE				
Sub-Slab Moisture: (Dry, Damp, Saturated)	NO				
Seal Type:	TEFLON/CLAY				
Pre-Sample Leak Detection					
% Helium in Chamber:	92%				
Purge Volume:	1 L				
% Helium in Tedlar:	1%				
Purge Air PID Reading :	1 PPM				
Sample Times and Vacuum Readings					
Canister Vol:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:
Sample Start Time:	1117	1124			
Vacuum Gauge Start:	32" HG	30" HG			
Sample End Time:	1100	1105			
Vacuum Gauge End:	3" HG	3" HG			
Post-Sample Leak Detection					
% Helium in Chamber:	92%				
% Helium in Tedlar:	0%				
Purge Air PID Reading :	10 PPM				
Drill Holes Sealed:	☒	☐	☐	☐	☐

Soil Vapor Intrusion - Initial Structure Sampling Building Questionnaire Structure ID : #564

Site No. : _____ Site Name : ARC

Structure Address : 561 WASHINGTON AVE

Preparer's Name & Company : CARL ALDRICH AZTECH

Residential ? ☒ Yes ☐ No Owner Occupied ? ☐ Yes ☒ No Owner Interviewed ? ☐ Yes ☐ No

Commercial ? ☐ Yes ☐ No Industrial ? ☐ Yes ☐ No Mixed Uses ? ☐ Yes ☐ No

Identify all non-residential use(s): _____

Owner Name : Primerica Realtors Owner Phone : (877) 787 - 5077

Owner Phone (Secondary) : ( ) _____ - _____

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : ( ) _____ - _____

Occupant Phone (Secondary) : ( ) _____ - _____

Additional Owner/ Occupant Information (availability, special mailing instructions) : _____

Describe Building (style, number floors, size) : 2 FLOORS + BASEMENT

Approximate Year Built : ~ 100 YRS OLD Is the building insulated? ☒ Yes ☐ No

Lowest level : ☐ Slab-on-grade ☒ Basement ☐ Crawlspace

Describe Lowest Level (floor construction, finishing, use) : AVG CONCRETE

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☒ Poor (broken concrete or dirt)

Sumps / drains? ☒ Yes ☐ No Describe : SUMP AND DRAIN

Identify other floor penetrations & details : _____

Wall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : BASEMENT WINDOWS

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : DRY

Heating Fuel : ☒ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other

Heating System : ☐ Forced Air ☒ Hot Water ☐ Other : _____

Hot Water System : ☒ Combustion ☐ Electric - X 2

Clothes Dryer : ☒ Electric ☐ Gas Where is dryer vented to? _____

IF combustion occurs describe where air comes from (cold air return, basement, external air, etc.) : BASEMENT

Soil Vapor Intrusion - Initial Structure Sampling Building Questionnaire **Structure ID :** 564

Air Conditioning : ☐ Central Air ☐ Window Units ☐ Fans

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : none seen

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

none

Attached Garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What / Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

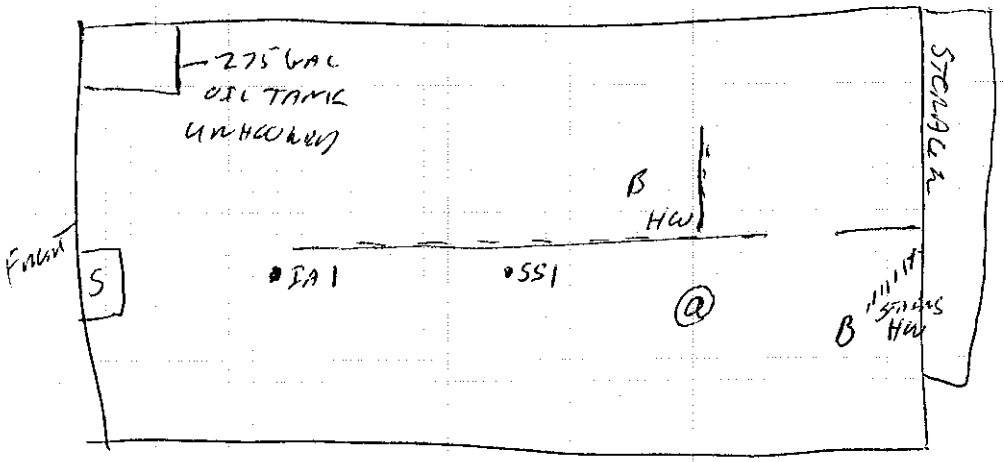
Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☐ No Results : _____

Radon System present ? ☐ Yes ☐ No Describe : _____

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify the room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: Primerity Realtors

Date:

Samplers & Company: CARL ALBANY

Structure ID: 564

Site Number & Name: 564 WASHINGTON AVE ALBANY

Phone Number:

Make & Model of PID:

Date of PID Calibration:

Identify any Changes from Original Building Questionnaire :

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
		NO CHEMICALS		

Structure Sampling Field Log

Site Number & Name: ILHO

Structure ID: #182

Samplers & Company: CAAL ALDRICH / AZTECH

Sample Date: 10/1/12

Structure Address: 182 ONTARIO ST

Phone Number:

Owner Name and Address (if different): JORDAN ABBOTT (518) 330-4904

Weather & Outdoor Temperature: CLOUDY COOL

Slab Condition : ☐ Dirt Floor ☐ Poor (major cracks) ☐ Average (some cracks) ☒ Good (minor cracks)

Floor Penetrations: (select all present) ☐ Sump Pit ☒ Floor Drain ☐ Perimeter Drain ☐ Other Describe:

Standing Water: (select all present) Basement is Dry ☒ | Floor Penetrations are Damp ☐ | Standing Water in Floor Penetrations ☐ | Standing Water on Basement Floor ☐

Building Questionnaire Completed: ☒ Yes ☐ No

Product Inventory Completed: ☒ Yes ☐ No

Layout Sketch Completed: ☒ Yes ☐ No

Sample ID:	18255	182FA	182 BD-1	[illegible]	
Location Description:	(BAR) BASEMENT	(BAR) BASEMENT	(BAR) BASEMENT	BETWEEN BUILDINGS	
Canister ID:	~~1015~~ 01492	03841	6637	1398	
Regulator ID:	K383	K367	K473	KC986	
Slab Thickness:	8"				
Sub-Slab Material:	CEMENT				
Sub-Slab Moisture: (Dry, Damp, Saturated)	NO				
Seal Type:	TEFLON/CLAY				
Pre-Sample Leak Detection					
% Helium in Chamber:	91%				
Purge Volume:	1L				
% Helium in Tedlar:	0				
Purge Air PID Reading :	2PPM				
Sample Times and Vacuum Readings					
Canister Vol:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:
Sample Start Time:	1002	1005	1100	1030	
Vacuum Gauge Start:	28" HG	30" HG	29" HG	30" HG	
Sample End Time:	935	940	1045	935	
Vacuum Gauge End:	4" HG	4" HG	3" HG	4" HG	
Post-Sample Leak Detection					
% Helium in Chamber:	92%				
% Helium in Tedlar:	0				
Purge Air PID Reading :	50 PPM				

Drill Holes Sealed: ☒ ☐ ☐ ☐ ☐

Soil Vapor Intrusion - Initial Structure Sampling Building Questionnaire Structure ID : 182 Cont

Site No. : _____ Site Name : R+C

Structure Address : 182 ONTARIO ST ALBANY NY

Preparer's Name & Company : CARL ALINSCH AZTECH

Residential ? ☒ Yes ☐ No Owner Occupied ? ☐ Yes ☐ No Owner Interviewed ? ☐ Yes ☐ No

Commercial ? ☒ Yes ☐ No Industrial ? ☐ Yes ☐ No Mixed Uses ? ☐ Yes ☐ No

Identify all non-residential use(s): BAR + RESTAURANT

Owner Name : LYNES ABBOTT Owner Phone : ( ) _____ - _____

Owner Phone (Secondary) : ( ) _____ - _____

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : ( ) _____ - _____

Occupant Phone (Secondary) : ( ) _____ - _____

Additional Owner/ Occupant Information (availability, special mailing instructions) : _____

Describe Building (style, number floors, size) : 3 FLOORS

Approximate Year Built : _____ Is the building insulated? ☒ Yes ☐ No

Lowest level : ☒ Slab-on-grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (floor construction, finishing, use) : CEMENT + TILE BAR

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps / drains? ☒ Yes ☐ No Describe : DRAINS IN KITCHEN AREA

Identify other floor penetrations & details : _____

Wall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : WINDOWS

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : NONE

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☐ Combustion ☒ Electric

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer vented to? _____

IF combustion occurs describe where air comes from (cold air return, basement, external air, etc.) : _____

AIR RETURN ON FRONT OF FURNACE

Soil Vapor Intrusion - Initial Structure Sampling Building Questionnaire **Structure ID :** 182

Air Conditioning: ☐ Central Air ☒ Window Units ☐ Fans

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : KITCHEN VENT HOOD UP BACK OF BUILDING

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

CHEMICAL STORAGE

Attached Garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What / Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

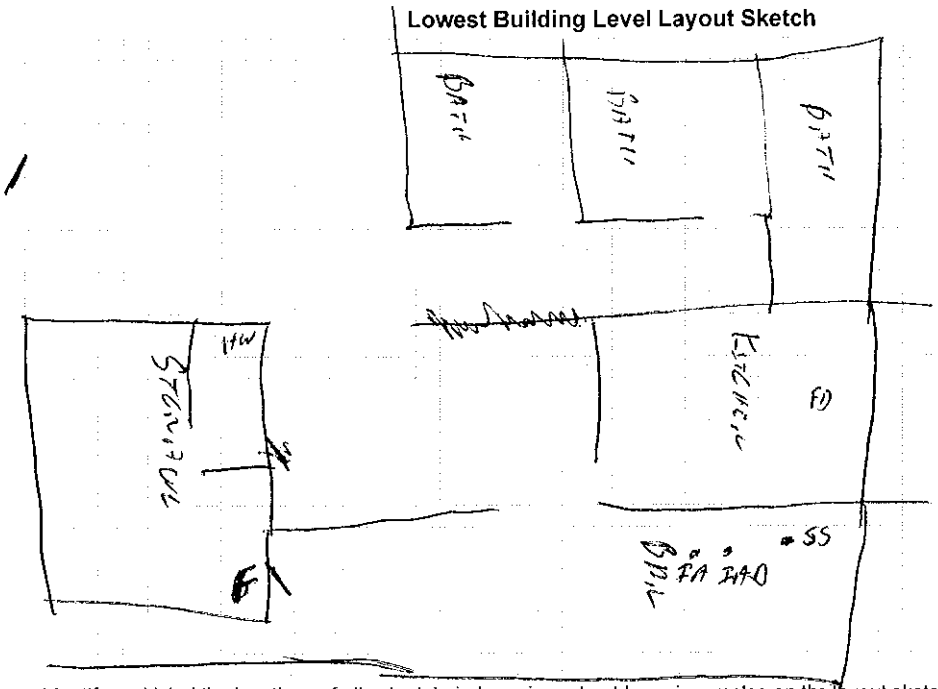
Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☐ No Results : _____

Radon System present ? ☐ Yes ☒ No Describe : _____

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify the room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	######	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: ABBOTT 182 ONTARIO

Date: 10/29/12

Samplers & Company: CARL ALDRICH

Structure ID: #182

Site Number & Name: RHC

Phone Number:

Make & Model of PID:

Date of PID Calibration:

Identify any Changes from Original Building Questionnaire :

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
POLYURETHANE	PT			
INSUL FOAM	12 OZ	ETHYLENE GLYCOL DIMETHYL ETHER		
SPRAY PAINTS		SEE PHOTOS		
ANTI FREEZE	2 GAL	GLYCOL		
GOOF OFF BATH	4.5 OZ	NONE LISTED		
MOTOR OIL BELA	4 QTS	PETRO		
QUIKFIX OLEN	1 GAL	SODIUM HYDROXIDE		
ADVANCE RINSE AGENT	3 GAL	NONE LISTED		
OASES 277 RTU ECOLAB FRESHENER	2 QTS	" "		
MISC LATEX PAINTS	10 GAL			
BAR + CHAIN OIL	1 GAL	XYLENE CRYSTALLINE SILICA		
METAL PRIMER	1 GAL			
CONCRETE BONDING ADHESIVE	1.5 GAL QT	NOT LISTED		
MINERAL SPIRITS	1 1/2 GAL	MINERAL SOLVENTS		
CHARCOAL LIGHTER	1 QT	PETRO DIST.		
MINWAX STAIN		ALIPHATIC HYDROCARBONS		
GROUT SEALER	1.5 GAL	COPOLYMER		
PRE CLEAN + PRIMER	1 QT	MIX		
ROOFING ADHESIVE	3 GAL	PETRO. ASPHALT		
LATEX PAINT	1 GAL	WATER BASE		
CHAIN CARB CLEANER	1 GAL	PETRO DIST, BUTOXYETHANOL		

562 WASHINGTON AVE
ALBANY NY

INDOOR AIR QUALITY QUETIONNAIRE AND BUILDING INVENTORY

RKC

Preparer's Name CARL ALDRICH Date/Time Prepared 1/14/13

Preparer's Affiliation AZTECH TECH Phone No. 5184703053

Purpose of Investigation SITE CHARACTERIZATION

1. OCCUPANT:

Interviewed: ☐ Yes ☒ No

Last Name: _____ First Name: _____

Address: _____

County: _____ Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: ☐ Yes ☒ No

Last Name: MENG LIN First Name: LIN

Address: _____

County: _____ Home Phone: _____ Office Phone: (518) 446-0939

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commerical/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	(Apartment House)	Townhouse/Condos
Modular	Log Home	Other: _____

If multiple units, how many: 2

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? ☐ Yes ☐ No If yes, how many? _____

Other characteristics:

Number of floors 2 + basement Building age _____

Is the building insulated? ☒ Yes ☐ No How air tight? Tight / Average / Not Tight

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with	_____
e. Concrete floor:	unsealed	sealed	sealed with	_____
f. Foundation walls:	poured	block	stone	other Brick
g. Foundation wals:	unsealed	sealed	sealed with	_____
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	☐ Yes	☒ No		
k. Water in sump:	☐ Yes	☐ No	not applicable	

Basement/Lowest level depth below grade: 5 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

1 SEPTIC SUMP 1 FLOOR DRAIN 1 HOLE IN FLOOR

5. HEATING, VENTING, AND AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other: _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: NAT GAS

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? ☒ Yes ☐ No

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

ALL NEW

6. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	FURNACE + HOT WATER HEATERS (2)
1st Floor	APARTMENT
2nd Floor	" "
3rd Floor	
4th Floor	

7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify _____

d. Has the building ever had a fire? Y / N When? _____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area?	Y (N)	Where & What Type?	_____
g. Is there smoking in the building?	Y / N	How frequently?	_____
h. Have cleaning products been used recently?	Y / N	When & What Type?	_____
i. Have cosmetic products been used recently?	Y / N	When & What Type?	_____
j. Has painting/staining been done in the last 6 months?	Y / N	Where & When?	_____
k. Is there new carpet, drapes or other textiles?	Y / N	Where & When?	_____
l. Have air fresheners been used recently?	Y / N	When & What Type?	_____
m. Is there a kitchen exhaust fan?	Y / N	If yes, where vented?	_____
n. Is there a bathroom exhaust fan?	Y / N	If yes, where vented?	_____
o. Is there a clothes dryer?	Y (N)	If yes, is it vented outside?	Y / N
p. Has there been a pesticide application?	Y / N	When & What Type?	_____
Are there odors in the building?	Y (N)		

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N _____

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what type of solvents are used? _____

If yes, are their clothes washed at work? Y / N _____

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No

Yes, use dry-cleaning infrequently (monthly or less) Unknown

Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of installation:

Is the system active or passive? Active/Passive

Structure Sampling Field Log

Site Number & Name: RKO – ALBANY

Structure ID: #562

Samplers & Company: CARL ALDRICH AZTECH

Sample Date: 1/4/13

Structure Address: 562 WASHINGTON ST

Phone Number: 518 470 3052

Owner Name and Address (if different):

Weather & Outdoor Temperature: CLOUDY 40°

Slab Condition : ☐ Dirt Floor ☐ Poor (major cracks) ☒ Average (some cracks) ☐ Good (minor cracks)

Floor Penetrations: (select all present) ☒ ~~Sump Pit~~ ☒ Floor Drain ☐ Perimeter Drain ☒ Other Describe: SEWER CONN

Standing Water: (select all present)

Basement is Dry	Floor Penetrations are Damp	Standing Water in Floor Penetrations	Standing Water on Basement Floor
☒	☐	☐	☐

Building Questionnaire Completed: ☒ Yes ☐ No

Product Inventory Completed: ☒ Yes ☐ No

Layout Sketch Completed: ☒ Yes ☐ No ON BACK

Sample ID:	562SS	562 IA			
Location Description:	BASEMENT	BASEMENT			
Canister ID:	93165	1122			
Regulator ID:	K497	K108			
Slab Thickness:	5"				
Sub-Slab Material:	DIRT				
Sub-Slab Moisture: (Dry, Damp, Saturated)	DAMP				
Seal Type:	CLAY				
Pre-Sample Leak Detection					
% Helium in Chamber:	93%				
Purge Volume:	1L				
% Helium in Tedlar:	0				
Purge Air PID Reading :	0				
Sample Times and Vacuum Readings					
Canister Vol:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:	☐ 6L Other:
Sample Start Time:	1135	1135			
Vacuum Gauge Start:	-30	-30			
Sample End Time:					
Vacuum Gauge End:					
Post-Sample Leak Detection					
% Helium in Chamber:	9.1%				
% Helium in Tedlar:	0				
Purge Air PID Reading :	431				
Drill Holes Sealed:	☒	☐	☐	☐	☐

WASHINGTON AVE
#562 WASHINGTON AVE
ALBANY NY
99
20
FURNACE
HWH

ATTACHMENT G

LABORATORY ANALYTICAL REPORT

SOIL VAPOR INTRUSION SAMPLING

November 1, 2012 & January 15, 2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 401065

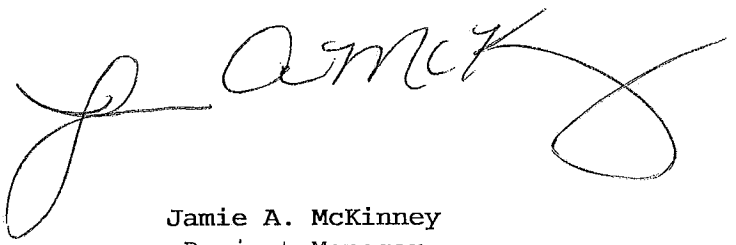
Former RKO Dry Cleaners

Lot #: H2K070406

Ralph Keating

New York State D.E.C.
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233

TESTAMERICA LABORATORIES, INC.



Jamie A. McKinney
Project Manager

November 16, 2012

ANALYTICAL METHODS SUMMARY

H2K070406

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H2K070406

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MW8WE	001	182 SS	11/01/12	09:35
MW8WF	002	182 IA	11/01/12	09:40
MW8WG	003	564 SS	11/01/12	11:00
MW8WH	004	564 IA	11/01/12	11:05
MW8WJ	005	BD-1	11/01/12	10:45
MW8WK	006	AMBIENT AIR	11/01/12	09:55

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H2K070406

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Chain of custody documentation was not received with the sample shipment.

The sample ID listed on the chain of custody documentation did not match the ID listed on the sample container for sample BD-1. The sample was processed using the ID listed on the chain of custody documentation.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Quantitation for ethanol was previously based on a one-point calibration standard at the reporting limit. Ethanol was quantitated based on a minimum 5-point calibration curve. The following interim criteria are being used until the method performance for this additional analyte is fully established:

- The initial calibration acceptance criteria is set at 40% RSD. Any compound greater than 40% RSD was changed to a linear or quadratic model with an $r2 \geq 0.990$ acceptance criteria.
- There are no criteria for second source standard verification % D. The second source standard was independently prepared from the same parent mixture (as the primary source).
- The continuing calibration verification criteria are set at 50% D. Any compound greater than 50% D must pass the LCS criteria.
- The LCS recovery criteria are set at 20% to 180%.
- A method detection limit study has not been performed. The detection of the analytes is demonstrated by detection of the calibration standard at the reporting limit. No estimated results are reported below the reporting limit.

PROJECT NARRATIVE
H2K070406

The concentration of ethanol in samples 182 IA and BD-1 exceeded the calibration level of the instrument. At the client's request, the samples were analyzed with minimum dilution even ethanol is outside of the calibration range.

The concentration of tetrachloroethene in sample 564 SS exceeded the calibration level of the instrument. The sample was analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

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.

New York State D.E.C.

Client Sample ID: 182 SS

GC/MS Volatiles

Lot-Sample # H2K070406 - 001 **Work Order #** MW8WE1AA **Matrix.....:** AIR

Date Sampled...: 11/01/2012 **Date Received..:** 11/06/2012
Prep Date.....: 11/07/2012 **Analysis Date...** 11/08/2012
Prep Batch #.....: 2312079
Dilution Factor.: 2.5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**1.1**	**0.20**	**3.7**	**0.64**
Benzyl chloride	ND	0.40	ND	2.1
Bromodichloromethane	ND	0.20	ND	1.3
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
2-Butanone (MEK)	**3.3**	**0.80**	**9.8**	**2.4**
tert-Butyl alcohol	**1.8**	**0.80**	**5.4**	**2.4**
Carbon tetrachloride	ND	0.10	ND	0.63
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
Cyclohexane	ND	0.50	ND	1.7
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.37**	**0.20**	**1.8**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,1-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
1,4-Dioxane	ND	0.50	ND	1.8
Ethanol	**41**	**2.0**	**77**	**3.8**
Ethylbenzene	**1.7**	**0.20**	**7.2**	**0.87**
Hexachlorobutadiene	ND	0.20	ND	2.1
n-Hexane	**0.73**	**0.50**	**2.6**	**1.8**
Methylene chloride	**0.92**	**0.50**	**3.2**	**1.7**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Methyl tert-butyl ether	ND	0.40	ND	1.4
Styrene	**1.7**	**0.20**	**7.0**	**0.85**
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4

New York State D.E.C.

Client Sample ID: 182 SS

GC/MS Volatiles

Lot-Sample # H2K070406 - 001 **Work Order #** MW8WE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.69**	**0.20**	**4.7**	**1.4**
Toluene	**11**	**0.20**	**43**	**0.75**
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2-Trichloroethane	ND	0.20	ND	1.1
Trichloroethene	ND	0.10	ND	0.54
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**	**1.1**
1,1,2-Trichlorotrifluoroethane	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	**2.5**	**0.20**	**12**	**0.98**
1,3,5-Trimethylbenzene	**0.69**	**0.20**	**3.4**	**0.98**
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Vinyl chloride	ND	0.20	ND	0.51
m-Xylene & p-Xylene	**12**	**0.20**	**52**	**0.87**
o-Xylene	**4.9**	**0.20**	**21**	**0.87**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 182 IA

GC/MS Volatiles

Lot-Sample # H2K070406 - 002 **Work Order #** MW8WF1AA **Matrix.....:** AIR

Date Sampled...: 11/01/2012 **Date Received..:** 11/06/2012
Prep Date.....: 11/07/2012 **Analysis Date...** 11/08/2012
Prep Batch #.....: 2312079
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**1.1**	**0.080**	**3.4**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**2.6**	**0.32**	**7.6**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.070**	**0.040**	**0.44**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.39**	**0.20**	**0.80**	**0.41**
Cyclohexane	**1.0**	**0.20**	**3.5**	**0.69**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.40**	**0.080**	**2.0**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**120 E**	**0.80**	**230 E**	**1.5**
Ethylbenzene	**0.48**	**0.080**	**2.1**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**2.6**	**0.20**	**9.3**	**0.70**
Methylene chloride	**1.1**	**0.20**	**3.7**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: 182 IA

GC/MS Volatiles

Lot-Sample # H2K070406 - 002 **Work Order #** MW8WF1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**3.3**	**0.080**	**12**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.22**	**0.080**	**1.1**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	**0.58**	**0.20**	**2.7**	**0.93**
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**1.2**	**0.080**	**5.2**	**0.35**
o-Xylene	**0.35**	**0.080**	**1.5**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 564 SS

GC/MS Volatiles

Lot-Sample # H2K070406 - 003 **Work Order #** MW8WG1AA **Matrix.....:** AIR

Date Sampled...: 11/01/2012 **Date Received..:** 11/06/2012
Prep Date.....: 11/07/2012 **Analysis Date...** 11/08/2012
Prep Batch #....: 2312079
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.80	ND	2.6
Benzyl chloride	ND	1.6	ND	8.3
Bromodichloromethane	ND	0.80	ND	5.4
Bromoform	ND	0.80	ND	8.3
Bromomethane	ND	0.80	ND	3.1
2-Butanone (MEK)	ND	3.2	ND	9.4
tert-Butyl alcohol	ND	3.2	ND	9.7
Carbon tetrachloride	ND	0.40	ND	2.5
Chlorobenzene	ND	0.80	ND	3.7
Dibromochloromethane	ND	0.80	ND	6.8
Chloroethane	ND	0.80	ND	2.1
Chloroform	**28**	**0.80**	**140**	**3.9**
Chloromethane	ND	2.0	ND	4.1
Cyclohexane	ND	2.0	ND	6.9
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
1,2-Dichlorobenzene	ND	0.80	ND	4.8
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,1-Dichloroethane	ND	0.80	ND	3.2
1,2-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
trans-1,2-Dichloroethene	ND	0.80	ND	3.2
1,1-Dichloroethene	ND	0.80	ND	3.2
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
1,4-Dioxane	ND	2.0	ND	7.2
Ethanol	**8.7**	**8.0**	**16**	**15**
Ethylbenzene	ND	0.80	ND	3.5
Hexachlorobutadiene	ND	0.80	ND	8.5
n-Hexane	ND	2.0	ND	7.0
Methylene chloride	ND	2.0	ND	6.9
4-Methyl-2-pentanone (MIBK)	ND	2.0	ND	8.2
Methyl tert-butyl ether	ND	1.6	ND	5.8
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5

New York State D.E.C.

Client Sample ID: 564 SS

GC/MS Volatiles

Lot-Sample # H2K070406 - 003 **Work Order #** MW8WG1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**230 E**	**0.80**	**1500 E**	**5.4**
Toluene	**5.8**	**0.80**	**22**	**3.0**
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Trichloroethene	ND	0.40	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1,2-Trichlorotrifluoroethane	ND	0.80	ND	6.1
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
2,2,4-Trimethylpentane	ND	2.0	ND	9.3
Vinyl chloride	ND	0.80	ND	2.0
m-Xylene & p-Xylene	**2.3**	**0.80**	**9.8**	**3.5**
o-Xylene	**1.1**	**0.80**	**4.7**	**3.5**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 564 SS

GC/MS Volatiles

Lot-Sample #	H2K070406 - 003	**Work Order #**	MW8WG2AA	**Matrix.....:**	AIR
Date Sampled...:	11/01/2012	**Date Received..:**	11/06/2012		
Prep Date.....:	11/09/2012	**Analysis Date...**	11/10/2012		
Prep Batch #.....:	2314060				
Dilution Factor.:	50	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**160 D**	**4.0**	**1100 D**	**27**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 564 IA

GC/MS Volatiles

Lot-Sample # H2K070406 - 004 **Work Order #** MW8WH1AA **Matrix.....:** AIR

Date Sampled...: 11/01/2012 **Date Received..:** 11/06/2012
Prep Date.....: 11/07/2012 **Analysis Date...** 11/08/2012
Prep Batch #.....: 2312079
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.12**	**0.080**	**0.38**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.071**	**0.040**	**0.44**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.21**	**0.080**	**1.0**	**0.39**
Chloromethane	**0.28**	**0.20**	**0.57**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.39**	**0.080**	**1.9**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	**0.087**	**0.080**	**0.34**	**0.32**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**18**	**0.80**	**33**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	**0.42**	**0.20**	**1.5**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: 564 IA

GC/MS Volatiles

Lot-Sample # H2K070406 - 004 **Work Order #** MW8WH1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.39**	**0.080**	**2.6**	**0.54**
Toluene	**0.29**	**0.080**	**1.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.099**	**0.040**	**0.53**	**0.21**
Trichlorofluoromethane	**0.20**	**0.080**	**1.2**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.15**	**0.080**	**0.63**	**0.35**
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: BD-1

GC/MS Volatiles

Lot-Sample #	H2K070406 - 005	**Work Order #**	MW8WJ1AA	**Matrix.....:**	AIR
Date Sampled...:	11/01/2012	**Date Received..:**	11/06/2012		
Prep Date.....:	11/07/2012	**Analysis Date...**	11/08/2012		
Prep Batch #.....:	2312079				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**1.4**	**0.080**	**4.4**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	**2.9**	**0.32**	**8.5**	**0.94**
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.084**	**0.040**	**0.53**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.084**	**0.080**	**0.41**	**0.39**
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**
Cyclohexane	**1.3**	**0.20**	**4.4**	**0.69**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.41**	**0.080**	**2.0**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**120 E**	**0.80**	**220 E**	**1.5**
Ethylbenzene	**1.3**	**0.080**	**5.7**	**0.35**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**2.9**	**0.20**	**10**	**0.70**
Methylene chloride	**1.1**	**0.20**	**4.0**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: BD-1

GC/MS Volatiles

Lot-Sample # H2K070406 - 005 **Work Order #** MW8WJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.094**	**0.080**	**0.64**	**0.54**
Toluene	**5.7**	**0.080**	**22**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.059**	**0.040**	**0.32**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**1.1**	**0.080**	**5.4**	**0.39**
1,3,5-Trimethylbenzene	**0.31**	**0.080**	**1.5**	**0.39**
2,2,4-Trimethylpentane	**0.93**	**0.20**	**4.3**	**0.93**
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**4.4**	**0.080**	**19**	**0.35**
o-Xylene	**1.3**	**0.080**	**5.6**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

Qualifiers

E	Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2K070406 - 006 **Work Order #** MW8WK1AA **Matrix.....:** AIR

Date Sampled...: 11/01/2012 **Date Received..:** 11/06/2012
Prep Date.....: 11/07/2012 **Analysis Date...** 11/08/2012
Prep Batch #.....: 2312079
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.12**	**0.080**	**0.40**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.080**	**0.040**	**0.50**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.44**	**0.20**	**0.90**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.45**	**0.080**	**2.2**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**5.3**	**0.80**	**9.9**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	**0.46**	**0.20**	**1.6**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: AMBIENT AIR

GC/MS Volatiles

Lot-Sample # H2K070406 - 006 **Work Order #** MW8WK1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.30**	**0.080**	**1.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	**0.11**	**0.080**	**0.55**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.21**	**0.080**	**0.93**	**0.35**
o-Xylene	**0.085**	**0.080**	**0.37**	**0.35**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2K070000 - 079B	**Work Order #**	MW86J1AA	**Matrix.....:**	AIR
	11/01/2012	**Date Received..:**	11/06/2012		
Prep Date.....:	11/07/2012	**Analysis Date...**	11/07/2012		
Prep Batch #.....:	2312079				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2K070000 - 079B **Work Order #** MW86J1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2K070000 - 079C **Work Order #** MW86J1AC **Matrix.....:** AIR

	11/01/2012	**Date Received..:**	11/06/2012
Prep Date.....:	11/07/2012	**Analysis Date...**	11/07/2012
Prep Batch #.....:	2312079		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	4.15	16	13.3	83	70 - 130
Benzyl chloride	5.00	4.23	26	21.9	85	70 - 130
Bromodichloromethane	5.00	4.29	34	28.8	86	70 - 130
Bromoform	5.00	4.89	52	50.5	98	60 - 140
Bromomethane	5.00	4.01	19	15.6	80	70 - 130
2-Butanone (MEK)	5.00	3.82	15	11.3	76	60 - 140
tert-Butyl alcohol	5.00	4.67	15	14.2	93	60 - 140
Carbon tetrachloride	5.00	4.92	31	31.0	98	70 - 130
Chlorobenzene	5.00	4.37	23	20.1	87	70 - 130
Dibromochloromethane	5.00	4.71	43	40.1	94	70 - 130
Chloroethane	5.00	3.70	13	9.75	74	70 - 130
Chloroform	5.00	4.82	24	23.5	96	70 - 130
Chloromethane	5.00	4.58	10	9.45	92	60 - 140
Cyclohexane	5.00	4.09	17	14.1	82	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.43	38	34.0	89	70 - 130
1,2-Dichlorobenzene	5.00	4.25	30	25.5	85	70 - 130
1,3-Dichlorobenzene	5.00	4.23	30	25.5	85	70 - 130
1,4-Dichlorobenzene	5.00	4.26	30	25.6	85	70 - 130
Dichlorodifluoromethane	5.00	4.80	25	23.7	96	60 - 140
1,1-Dichloroethane	5.00	4.69	20	19.0	94	70 - 130
1,2-Dichloroethane	5.00	4.57	20	18.5	91	70 - 130
cis-1,2-Dichloroethene	5.00	5.08	20	20.2	102	70 - 130
trans-1,2-Dichloroethene	5.00	4.60	20	18.2	92	70 - 130
1,1-Dichloroethene	5.00	5.48	20	21.7	110	70 - 130
1,2-Dichloropropane	5.00	3.89	23	18.0	78	70 - 130
cis-1,3-Dichloropropene	5.00	4.29	23	19.5	86	70 - 130
trans-1,3-Dichloropropene	5.00	4.41	23	20.0	88	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.10	35	35.7	102	60 - 140
1,4-Dioxane	5.00	3.61	18	13.0	72	60 - 140
Ethanol	25.0	16.8	47	31.6	67	20 - 180
Ethylbenzene	5.00	4.54	22	19.7	91	70 - 130
Hexachlorobutadiene	5.00	6.37	53	68.0	127	60 - 140
n-Hexane	5.00	4.22	18	14.9	84	70 - 130
Methylene chloride	5.00	5.05	17	17.5	101	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	3.52	20	14.4	70	60 - 140
Methyl tert-butyl ether	5.00	4.54	18	16.4	91	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2K070000 - 079C **Work Order #** MW86J1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	4.64	21	19.7	93	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.24	34	29.1	85	70 - 130
Tetrachloroethene	5.00	4.46	34	30.3	89	70 - 130
Toluene	5.00	4.37	19	16.5	87	70 - 130
1,2,4-Trichlorobenzene	5.00	5.81	37	43.1	116	60 - 140
1,1,1-Trichloroethane	5.00	5.16	27	28.1	103	70 - 130
1,1,2-Trichloroethane	5.00	4.11	27	22.4	82	70 - 130
Trichloroethene	5.00	4.60	27	24.7	92	70 - 130
Trichlorofluoromethane	5.00	4.86	28	27.3	97	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	5.39	38	41.3	108	70 - 130
1,2,4-Trimethylbenzene	5.00	4.41	25	21.7	88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.51	25	22.2	90	70 - 130
2,2,4-Trimethylpentane	5.00	3.81	23	17.8	76	70 - 130
Vinyl chloride	5.00	4.54	13	11.6	91	70 - 130
m-Xylene & p-Xylene	10.0	9.05	43	39.3	90	70 - 130
o-Xylene	5.00	4.44	22	19.3	89	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2K090000 - 060B	**Work Order #**	MW92J1AA	**Matrix.....:**	AIR
	11/01/2012	**Date Received..:**	11/06/2012		
Prep Date.....:	11/09/2012	**Analysis Date...**	11/09/2012		
Prep Batch #.....:	2314060				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	ND	0.080	ND	0.54

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H2K090000 - 060C	**Work Order #**	MW92J1AC
Matrix.....:	AIR		
	11/01/2012	**Date Received..:**	11/06/2012
Prep Date.....:	11/09/2012	**Analysis Date...**	11/09/2012
Prep Batch #.....:	2314060		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloroethene	5.00	4.27	34	29.0	85	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Test America Knoxville GC/MS Volatiles

Lot ID: H2K070406 **Batch #:** 10152
Matrix: Air **Can #:** 6637
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H2K070406 **Batch #:** 10152
Matrix: Air **Can #:** 6637
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Toluene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H2K070406 **Batch #:** 10153
Matrix: Air **Can #:** 1398
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H2K070406 **Batch #:** 10153
Matrix: Air **Can #:** 1398
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Toluene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)

H2K070406

1 Box Rec'd @ Ambient Temp without custody seals 11/6/12

1 Box Fed Ex # 4108 5808 8600

Buffalo
10 Hazelwood Drive
#REF!
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: 11/2/12	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 / Ballston Spa, NY	Calendar (C) or Work Days (W) ___			
(518) 402-9767 / (518) 885-5383	TAT if different from Below STANDARD			SDG No.
FAX	☐ 2 weeks			
Project Name: Former RKO Dry Cleaners - Site Char.	☐ 1 week			
Site: Site # 401065; Site Characterization Callout #120963	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Full VOCs via TO-15	Sample Specific Notes:
182 SS	11/1/12	935	GRAB	SV			X	Soil Vapor - Can # 1492
182 IA	11/1/12	940	GRAB	Air			X	Indoor Air - Can # 03841
564 SS	11/1/12	1100	GRAB	SV			X	Soil Vapor - Can # 12648
564 IA	11/1/12	1105	GRAB	Air			X	Indoor Air - Can # 6574
BD-1	11/1/12	1045	GRAB				X	Can # 6637
Ambient Air	11/1/12	955	GRAB	Air			X	Ambient Air - Can # 1398

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

Full 11-2-12

6 Cans / 6 Flows

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	11/2/12 1130	Tim Knollmeyer	TA	11/2/12 1130
Relinquished by: Tim Knollmeyer	Company: TA	Date/Time: 11/5/12 1700	Received by:	Company: TAKBOX	Date/Time: 11/6/12 0950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H2K070406

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☒ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☒ **1f** COC not received ☐ **1g** Other:	1F Recd COC by Email 4A 1A BD-1 on COC; Label Reads BD matched by can ID; Log by COC
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☒ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓	✓		☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?		✓		☐ **19a** Other	

Quote #: 90810 PM Instructions: NA

Sample Receiving Associate: [signature] Date: 11/6/12

QA026R23.doc, 022812

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H2K070406*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DDF 11-7-12	NA	28.75	MW8WE	1492	-3.1													10153
↓	↓	↓	MW8WF	03841	-2.9													↓
			MW8WG	12648	0													
			MW8WH	6574	-3.0													↓
			MW8WJ	6637	-3.3													10152
↓	↓	↓	MW8WK	1398	-2.6													10153

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 401065

Former RKO Dry Cleaners

Lot #: H3A160403

Ralph Keating

New York State D.E.C.
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

January 21, 2013

ANALYTICAL METHODS SUMMARY

H3A160403

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H3A160403

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MXV9N	001	562 SS	01/15/13	11:17
MXV9P	002	562 IA	01/15/13	11:15
MXV9Q	003	564 SS	01/15/13	10:07
MXV9R	004	564 IA	01/15/13	10:12
MXV9T	005	OUTDOOR AIR	01/15/13	10:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H3A160403

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 1/16/13 exhibited a % difference of > 30% for bromoform, the results for bromoform were within the LCS acceptance limits.

For this method, the continuing calibration verification standard and the LCS are the same sample. While the result for 1,4-dioxane is flagged as being outside limits for batch 3016038, the results met the acceptance criteria which allows for three analytes to be within marginal exceedence limits.

Quantitation ethanol was based on a minimum 5-point calibration curve. The following interim criteria are being used until the method performance for this additional analyte is fully established:

- The initial calibration acceptance criteria is set at 40% RSD. Any compound greater than 40% RSD was changed to a linear or quadratic model with an r2 ≥ 0.990 acceptance criteria.
- There are no criteria for second source standard verification % D. The second source standard was independently prepared from the same parent mixture (as the primary source).
- The continuing calibration verification criteria are set at 50% D. Any compound greater than 50% D must pass the LCS criteria.
- The LCS recovery criteria are set at 20% to 180%.

PROJECT NARRATIVE
H3A160403

- A method detection limit study has not been performed. The detection of the analyte is demonstrated by detection of the calibration standard at the reporting limit. No estimated results are reported below the reporting limit.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

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.

New York State D.E.C.

Client Sample ID: 562 SS

GC/MS Volatiles

Lot-Sample # H3A160403 - 001 **Work Order #** MXV9N1AA **Matrix.....:** AIR

Date Sampled...: 01/15/2013 **Date Received..:** 01/16/2013
Prep Date.....: 01/16/2013 **Analysis Date...** 01/16/2013
Prep Batch #.....: 3016038
Dilution Factor.: 50 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	4.0	ND	13
Benzyl chloride	ND	8.0	ND	41
Bromodichloromethane	ND	4.0	ND	27
Bromoform	ND	4.0	ND	41
Bromomethane	ND	4.0	ND	16
2-Butanone (MEK)	ND	16	ND	47
tert-Butyl alcohol	ND	16	ND	49
Carbon tetrachloride	ND	2.0	ND	13
Chlorobenzene	ND	4.0	ND	18
Dibromochloromethane	ND	4.0	ND	34
Chloroethane	ND	4.0	ND	11
Chloroform	ND	4.0	ND	20
Chloromethane	ND	10	ND	21
Cyclohexane	ND	10	ND	34
1,2-Dibromoethane (EDB)	ND	4.0	ND	31
1,2-Dichlorobenzene	ND	4.0	ND	24
1,3-Dichlorobenzene	ND	4.0	ND	24
1,4-Dichlorobenzene	ND	4.0	ND	24
Dichlorodifluoromethane	ND	4.0	ND	20
1,1-Dichloroethane	ND	4.0	ND	16
1,2-Dichloroethane	ND	4.0	ND	16
cis-1,2-Dichloroethene	ND	4.0	ND	16
trans-1,2-Dichloroethene	ND	4.0	ND	16
1,1-Dichloroethene	ND	4.0	ND	16
1,2-Dichloropropane	ND	4.0	ND	18
cis-1,3-Dichloropropene	ND	4.0	ND	18
trans-1,3-Dichloropropene	ND	4.0	ND	18
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	4.0	ND	28
1,4-Dioxane	ND	10	ND	36
Ethanol	ND	40	ND	75
Ethylbenzene	ND	4.0	ND	17
Hexachlorobutadiene	ND	4.0	ND	43
n-Hexane	ND	10	ND	35
Methylene chloride	ND	10	ND	35
4-Methyl-2-pentanone (MIBK)	ND	10	ND	41
Methyl tert-butyl ether	ND	8.0	ND	29
Styrene	ND	4.0	ND	17

New York State D.E.C.

Client Sample ID: 562 SS

GC/MS Volatiles

Lot-Sample # H3A160403 - 001 **Work Order #** MXV9N1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	4.0	ND	27
Tetrachloroethene	**250**	**4.0**	**1700**	**27**
Toluene	ND	4.0	ND	15
1,2,4-Trichlorobenzene	ND	4.0	ND	30
1,1,1-Trichloroethane	ND	4.0	ND	22
1,1,2-Trichloroethane	ND	4.0	ND	22
Trichloroethene	ND	2.0	ND	11
Trichlorofluoromethane	ND	4.0	ND	22
1,1,2-Trichlorotrifluoroethane	ND	4.0	ND	31
1,2,4-Trimethylbenzene	ND	4.0	ND	20
1,3,5-Trimethylbenzene	ND	4.0	ND	20
2,2,4-Trimethylpentane	ND	10	ND	47
Vinyl chloride	ND	4.0	ND	10
m-Xylene & p-Xylene	ND	4.0	ND	17
o-Xylene	ND	4.0	ND	17

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 562 IA

GC/MS Volatiles

Lot-Sample # H3A160403 - 002 **Work Order #** MXV9P1AA **Matrix.....:** AIR

Date Sampled...: 01/15/2013 **Date Received..:** 01/16/2013
Prep Date.....: 01/16/2013 **Analysis Date...** 01/16/2013
Prep Batch #.....: 3016038
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.14**	**0.080**	**0.45**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.11**	**0.040**	**0.68**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.19**	**0.080**	**0.91**	**0.39**
Chloromethane	**0.55**	**0.20**	**1.1**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.57**	**0.080**	**2.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	**0.85**	**0.080**	**3.4**	**0.32**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**14**	**0.80**	**27**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	**0.47**	**0.20**	**1.9**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: 562 IA

GC/MS Volatiles

Lot-Sample # H3A160403 - 002 **Work Order #** MXV9P1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.59**	**0.080**	**4.0**	**0.54**
Toluene	**0.15**	**0.080**	**0.58**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.21**	**0.040**	**1.1**	**0.21**
Trichlorofluoromethane	**0.27**	**0.080**	**1.5**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	**0.23**	**0.080**	**0.59**	**0.20**
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.54**	**0.35**
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 564 SS

GC/MS Volatiles

Lot-Sample # H3A160403 - 003 **Work Order #** MXV9Q1AA **Matrix.....:** AIR

Date Sampled...: 01/15/2013 **Date Received..:** 01/16/2013
Prep Date.....: 01/16/2013 **Analysis Date...** 01/16/2013
Prep Batch #.....: 3016038
Dilution Factor.: 8.33 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.67	ND	2.1
Benzyl chloride	ND	1.3	ND	6.9
Bromodichloromethane	ND	0.67	ND	4.5
Bromoform	ND	0.67	ND	6.9
Bromomethane	ND	0.67	ND	2.6
2-Butanone (MEK)	ND	2.7	ND	7.9
tert-Butyl alcohol	ND	2.7	ND	8.1
Carbon tetrachloride	ND	0.33	ND	2.1
Chlorobenzene	ND	0.67	ND	3.1
Dibromochloromethane	ND	0.67	ND	5.7
Chloroethane	ND	0.67	ND	1.8
Chloroform	**1.1**	**0.67**	**5.5**	**3.3**
Chloromethane	ND	1.7	ND	3.4
Cyclohexane	ND	1.7	ND	5.7
1,2-Dibromoethane (EDB)	ND	0.67	ND	5.1
1,2-Dichlorobenzene	ND	0.67	ND	4.0
1,3-Dichlorobenzene	ND	0.67	ND	4.0
1,4-Dichlorobenzene	ND	0.67	ND	4.0
Dichlorodifluoromethane	ND	0.67	ND	3.3
1,1-Dichloroethane	ND	0.67	ND	2.7
1,2-Dichloroethane	ND	0.67	ND	2.7
cis-1,2-Dichloroethene	ND	0.67	ND	2.6
trans-1,2-Dichloroethene	ND	0.67	ND	2.6
1,1-Dichloroethene	ND	0.67	ND	2.6
1,2-Dichloropropane	ND	0.67	ND	3.1
cis-1,3-Dichloropropene	ND	0.67	ND	3.0
trans-1,3-Dichloropropene	ND	0.67	ND	3.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.67	ND	4.7
1,4-Dioxane	ND	1.7	ND	6.0
Ethanol	**7.7**	**6.7**	**14**	**13**
Ethylbenzene	ND	0.67	ND	2.9
Hexachlorobutadiene	ND	0.67	ND	7.1
n-Hexane	ND	1.7	ND	5.9
Methylene chloride	ND	1.7	ND	5.8
4-Methyl-2-pentanone (MIBK)	ND	1.7	ND	6.8
Methyl tert-butyl ether	ND	1.3	ND	4.8
Styrene	ND	0.67	ND	2.8
1,1,2,2-Tetrachloroethane	ND	0.67	ND	4.6

New York State D.E.C.

Client Sample ID: 564 SS

GC/MS Volatiles

Lot-Sample # H3A160403 - 003 **Work Order #** MXV9Q1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**61**	**0.67**	**410**	**4.5**
Toluene	ND	0.67	ND	2.5
1,2,4-Trichlorobenzene	ND	0.67	ND	4.9
1,1,1-Trichloroethane	ND	0.67	ND	3.6
1,1,2-Trichloroethane	ND	0.67	ND	3.6
Trichloroethene	ND	0.33	ND	1.8
Trichlorofluoromethane	ND	0.67	ND	3.7
1,1,2-Trichlorotrifluoroethane	ND	0.67	ND	5.1
1,2,4-Trimethylbenzene	ND	0.67	ND	3.3
1,3,5-Trimethylbenzene	ND	0.67	ND	3.3
2,2,4-Trimethylpentane	ND	1.7	ND	7.8
Vinyl chloride	ND	0.67	ND	1.7
m-Xylene & p-Xylene	ND	0.67	ND	2.9
o-Xylene	ND	0.67	ND	2.9

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: 564 IA

GC/MS Volatiles

Lot-Sample # H3A160403 - 004 **Work Order #** MXV9R1AA **Matrix.....:** AIR

Date Sampled...: 01/15/2013 **Date Received..:** 01/16/2013
Prep Date.....: 01/16/2013 **Analysis Date...** 01/16/2013
Prep Batch #.....: 3016038
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.12**	**0.080**	**0.37**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.088**	**0.040**	**0.55**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.54**	**0.20**	**1.1**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.50**	**0.080**	**2.5**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**24**	**0.80**	**46**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: 564 IA

GC/MS Volatiles

Lot-Sample # H3A160403 - 004 **Work Order #** MXV9R1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	**0.30**	**0.080**	**2.0**	**0.54**
Toluene	**0.13**	**0.080**	**0.51**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**0.046**	**0.040**	**0.25**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.092**	**0.080**	**0.40**	**0.35**
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: OUTDOOR AIR

GC/MS Volatiles

Lot-Sample # H3A160403 - 005 **Work Order #** MXV9T1AA **Matrix.....:** AIR

Date Sampled...: 01/15/2013 **Date Received..:** 01/16/2013
Prep Date.....: 01/16/2013 **Analysis Date...** 01/16/2013
Prep Batch #.....: 3016038
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	**0.15**	**0.080**	**0.48**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	**0.099**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.58**	**0.20**	**1.2**	**0.41**
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.56**	**0.080**	**2.8**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	**4.6**	**0.80**	**8.6**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	**0.25**	**0.20**	**0.87**	**0.69**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55

New York State D.E.C.

Client Sample ID: OUTDOOR AIR

GC/MS Volatiles

Lot-Sample # H3A160403 - 005 **Work Order #** MXV9T1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.23**	**0.080**	**0.87**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.25**	**0.080**	**1.4**	**0.45**
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.50**	**0.35**
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3A160000 - 038B **Work Order #** MXWED1AA **Matrix.....:** AIR

	01/15/2013	**Date Received..:**	01/16/2013
Prep Date.....:	01/16/2013	**Analysis Date...**	01/16/2013
Prep Batch #.....:	3016038		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
2-Butanone (MEK)	ND	0.32	ND	0.94
tert-Butyl alcohol	ND	0.32	ND	0.97
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41
Cyclohexane	ND	0.20	ND	0.69
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
Methylene chloride	ND	0.20	ND	0.69
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Styrene	ND	0.080	ND	0.34

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3A160000 - 038B **Work Order #** MXWED1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Vinyl chloride	ND	0.080	ND	0.20
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3A160000 - 038C **Work Order #** MXWED1AC **Matrix.....:** AIR

	01/15/2013	**Date Received..:**	01/16/2013
Prep Date.....:	01/16/2013	**Analysis Date...**	01/16/2013
Prep Batch #.....:	3016038		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	5.00	4.22	16	13.5	84	70 - 130
Benzyl chloride	5.00	4.97	26	25.7	99	70 - 130
Bromodichloromethane	5.00	4.96	34	33.2	99	70 - 130
Bromoform	5.00	6.99	52	72.3	140	60 - 140
Bromomethane	5.00	4.38	19	17.0	88	70 - 130
2-Butanone (MEK)	5.00	3.96	15	11.7	79	60 - 140
tert-Butyl alcohol	5.00	4.74	15	14.4	95	60 - 140
Carbon tetrachloride	5.00	6.40	31	40.2	128	70 - 130
Chlorobenzene	5.00	4.92	23	22.6	98	70 - 130
Dibromochloromethane	5.00	5.92	43	50.4	118	70 - 130
Chloroethane	5.00	4.48	13	11.8	90	70 - 130
Chloroform	5.00	5.34	24	26.1	107	70 - 130
Chloromethane	5.00	4.97	10	10.3	99	60 - 140
Cyclohexane	5.00	3.73	17	12.8	75	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.04	38	38.7	101	70 - 130
1,2-Dichlorobenzene	5.00	5.16	30	31.0	103	70 - 130
1,3-Dichlorobenzene	5.00	5.36	30	32.2	107	70 - 130
1,4-Dichlorobenzene	5.00	5.45	30	32.8	109	70 - 130
Dichlorodifluoromethane	5.00	5.49	25	27.2	110	60 - 140
1,1-Dichloroethane	5.00	4.92	20	19.9	98	70 - 130
1,2-Dichloroethane	5.00	5.33	20	21.6	107	70 - 130
cis-1,2-Dichloroethene	5.00	5.01	20	19.8	100	70 - 130
trans-1,2-Dichloroethene	5.00	4.51	20	17.9	90	70 - 130
1,1-Dichloroethene	5.00	5.46	20	21.7	109	70 - 130
1,2-Dichloropropane	5.00	4.12	23	19.0	82	70 - 130
cis-1,3-Dichloropropene	5.00	4.46	23	20.3	89	70 - 130
trans-1,3-Dichloropropene	5.00	5.00	23	22.7	100	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	6.00	35	42.0	120	60 - 140
1,4-Dioxane	5.00	2.61	18	9.40 a ME	52 a ME	60 - 140
Ethanol	25.0	24.1	47	45.3	96	20 - 180
Ethylbenzene	5.00	4.62	22	20.1	92	70 - 130
Hexachlorobutadiene	5.00	5.58	53	59.5	112	60 - 140
n-Hexane	5.00	4.14	18	14.6	83	70 - 130
Methylene chloride	5.00	5.12	17	17.8	102	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	3.59	20	14.7	72	60 - 140
Methyl tert-butyl ether	5.00	4.93	18	17.8	99	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3A160000 - 038C **Work Order #** MXWED1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Styrene	5.00	4.90	21	20.9	98	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.59	34	31.5	92	70 - 130
Tetrachloroethene	5.00	5.39	34	36.6	108	70 - 130
Toluene	5.00	4.21	19	15.9	84	70 - 130
1,2,4-Trichlorobenzene	5.00	5.16	37	38.3	103	60 - 140
1,1,1-Trichloroethane	5.00	5.61	27	30.6	112	70 - 130
1,1,2-Trichloroethane	5.00	4.53	27	24.7	91	70 - 130
Trichloroethene	5.00	5.03	27	27.0	101	70 - 130
Trichlorofluoromethane	5.00	5.54	28	31.1	111	60 - 140
1,1,2-Trichlorotrifluoroethane	5.00	5.67	38	43.4	113	70 - 130
1,2,4-Trimethylbenzene	5.00	4.54	25	22.3	91	70 - 130
1,3,5-Trimethylbenzene	5.00	4.85	25	23.8	97	70 - 130
2,2,4-Trimethylpentane	5.00	4.16	23	19.4	83	70 - 130
Vinyl chloride	5.00	4.06	13	10.4	81	70 - 130
m-Xylene & p-Xylene	10.0	9.04	43	39.2	90	70 - 130
o-Xylene	5.00	4.58	22	19.9	92	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

Qualifiers

a	Spiked analyte recovery is outside stated control limits.
ME	The percent recovery of the analyte is outside the control limits but within marginal exceedance limits.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Test America Knoxville GC/MS Volatiles

Lot ID: H3A160403 **Batch #:** 10279
Matrix: Air **Can #:** 6655
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Benzene	ND	0.080	ppb (v/v)
Benzyl chloride	ND	0.16	ppb (v/v)
Bromodichloromethane	ND	0.080	ppb (v/v)
Bromoform	ND	0.080	ppb (v/v)
Bromomethane	ND	0.080	ppb (v/v)
2-Butanone (MEK)	ND	0.32	ppb (v/v)
tert-Butyl alcohol	ND	0.32	ppb (v/v)
Carbon tetrachloride	ND	0.040	ppb (v/v)
Chlorobenzene	ND	0.080	ppb (v/v)
Dibromochloromethane	ND	0.080	ppb (v/v)
Chloroethane	ND	0.080	ppb (v/v)
Chloroform	ND	0.080	ppb (v/v)
Chloromethane	ND	0.20	ppb (v/v)
Cyclohexane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.080	ppb (v/v)
1,2-Dichlorobenzene	ND	0.080	ppb (v/v)
1,3-Dichlorobenzene	ND	0.080	ppb (v/v)
1,4-Dichlorobenzene	ND	0.080	ppb (v/v)
Dichlorodifluoromethane	ND	0.080	ppb (v/v)
1,1-Dichloroethane	ND	0.080	ppb (v/v)
1,2-Dichloroethane	ND	0.080	ppb (v/v)
cis-1,2-Dichloroethene	ND	0.080	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.080	ppb (v/v)
1,1-Dichloroethene	ND	0.080	ppb (v/v)
1,2-Dichloropropane	ND	0.080	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.080	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.080	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ppb (v/v)
1,4-Dioxane	ND	0.20	ppb (v/v)
Ethanol	ND	0.80	ppb (v/v)
Ethylbenzene	ND	0.080	ppb (v/v)
Hexachlorobutadiene	ND	0.080	ppb (v/v)
n-Hexane	ND	0.20	ppb (v/v)
Methylene chloride	ND	0.20	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ppb (v/v)
Methyl tert-butyl ether	ND	0.16	ppb (v/v)
Styrene	ND	0.080	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.080	ppb (v/v)
Tetrachloroethene	ND	0.080	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H3A160403 **Batch #:** 10279
Matrix: Air **Can #:** 6655
MethCod: 7M
Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
Toluene	ND	0.080	ppb (v/v)
1,2,4-Trichlorobenzene	ND	0.080	ppb (v/v)
1,1,1-Trichloroethane	ND	0.080	ppb (v/v)
1,1,2-Trichloroethane	ND	0.080	ppb (v/v)
Trichloroethene	ND	0.040	ppb (v/v)
Trichlorofluoromethane	ND	0.080	ppb (v/v)
1,1,2-Trichlorotrifluoroethane	ND	0.080	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.080	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.080	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.080	ppb (v/v)
m-Xylene & p-Xylene	ND	0.080	ppb (v/v)
o-Xylene	ND	0.080	ppb (v/v)

H2A160403

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: RALPH KEATING / RAMON HOOSE	Sampled By: CARL PLANECH	1 of 1 COCs
Company: NYSDEC / AZTECH TECH	Phone: 518 885 5383	AZTECH TECH	
Address: 625 BROADWAY / 5 MCKEA HELL	Site Contact:		
City/State/Zip ALBANY / RAILSTOWN NY	TAL Contact:		
Phone: 518 402 9767 / 518 885 5383			
FAX:			
Project Name: FORMER RKO SEEL CHAN.	Analysis Turnaround Time		
Site/location: #410665 CALVERT 120963	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
562 SS	1/14/13 1/15/13	1135	1117	-30	-3	K497	93165	X									X			9316
562 IA	1/14/13 1/15/13	1135	1115	-30	-5	K108	1122	X							X					1122
564 SS	1/14/13 1/15/13	1047	1007	-28	-1	K119	7465	X									X			7465
564 IA	1/14/13 1/15/13	1047	1012	-30	-3	K357	6374	X							X					6374
OUTDOOR AIR	1/14/13 1/15/13	1104	1020	-30	-3	K407	1492	X								X				1492

Sampled by :	Temperature (Fahrenheit)	Interior	Ambient	
	Start			
	Stop			

NO CUSTODY SEALS
ARRIVED AT AMBIENT TEMP
SUB 1-16-13

	Pressure (inches of Hg)	Interior	Ambient	
	Start			
	Stop			

1 BOX FED EX # 4108 5808 9530
SUMS / SFLOWS / 6 C.C.

Special Instructions/QC Requirements & Comments:
PLEASE EMAIL RESULTS TO RAMON HOOSE (RHOOSE@AZTECHTECH.COM) AND RALPH KEATING (RX KEATING@GW.DEC.STATE.NY.US)

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 1/15/13 1140	Received by: 1-15-13 1140
Relinquished by:	Date/Time: 1-15-13 1700	Received by: 1-16-13 10:20

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: 43A160403

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	NA
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?			✓	☑ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?		✓		☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓			☐ **19a** Other	

Quote #: 91810 PM Instructions: NA

Sample Receiving Associate: [signature] Date: 1-16-13

QA026R23.doc, 022812

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H3A160403*

Initial Can Pressure							Subsequent Dilutions												
Analyst/Date	(Can) or Tedlar bag prep Time	Baro ID B2 Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Baro ID___ Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
NB 11/6/13	1200	28.9	**MXV9N**	93165 ✓	-1.8	–												10279
↓	↓	↓	**MXV9P**	1122 ✓	-2.3	–												↓
			MXV9Q	7465 ✓	+0.8	–												
			MXV9R	6374 ✓	-2.2	–												
↓	↓	↓	**MXV9T**	1492 ✓	0	–												↓

ATTACHMENT H

IDW MANIFESTING

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

ESMI OF NEW YORK
304 Towpath Road
Fort Edward, New York 12828

(518)747-5500

Ticket No : 2056830
Date : 9/28/2012

Max. Acceptable Soil: 150.00

Customer: MCE10
MC ENVIRONMENTAL SERVICES
526 QUEENSBURY AVE.

QUEENSBURY,NY 12804

Job No :9368
NYSDEC FRMR RKO DRYCLEANERS
566 WASHINGTON AVE
ALBANY NY
Running Tonnage: 5.69

Trucker:
MC-1 MC ENVIRONMENTAL

Gross : 28260 Scale 1 In 1:56:20PM
Tare : 16880 STORED Out

Net : 11380 lb
5.690

SV03 04 USED PETROLEUM SOLVENT

Weigh Master: Kim Matteson #530022

Driver:

Remarks:

Material $
Delivery $
Misc $
Tax $

Total $

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: 518-865-5361

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: N/A

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

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. (Toluene, Xylene) 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 HOUSE - AAL OF FOR NYSDEC
Signature: Randy House
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: Michael D. Craft
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