REMEDIAL INVESTIGATION REPORT

KATZMAN RECYCLING SITE
GRANVILLE, NEW YORK 12832

NYSDEC Site No. 558035

Work Assignment No. D007620-24

Submitted to:

New York State Department of Environmental Conservation
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1.0 INTRODUCTION

This report presents the results of the Remedial Investigation (RI) for the Katzman Recycling Site located at 24 County Road 26, near the intersection with NY-22, in Granville, Washington County, New York (**Figure 1**). The Site was owned by Samuel Katzman from 1949 to 2007 and operated as a scrap metal recycling facility, with an onsite incinerator. Prior to 1949, the Site consisted of undisturbed wetlands and forested areas.

Historical investigations associated with the Katzman Recycling Site (refer to **Section 3.0**) identified polychlorinated biphenyl (PCB) impacts in soil. The Katzman Recycling Site (the Site) was assigned New York State Department of Environmental Conservation (NYSDEC or the Department) Site No. 558035. In July 2015, the Department issued an RI/Feasibility Study (FS) work assignment to TRC Engineers, Inc. (TRC) to further characterize surface soil, subsurface soil, sediment, surface water, and groundwater impacts potentially related to the Katzman Recycling Site.

The RI field investigation was implemented between December 2015 and June 2017, as further described in this report. The RI was completed in accordance with the NYSDEC Division of Environmental Remediation (DER) Work Assignment (WA) No. D007620-24 Notice to Proceed dated July 7, 2015, the NYSDEC-approved Scope of Work dated November 30, 2015, emails to the Department dated March 13, 2017 summarizing proposed additional field activities, subsequent discussions with the Department, and DER-10 Technical Guidance for Site Investigation and Remediation.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Location and Setting

The Katzman Recycling Site is located at 24 County Road 26 in the Town of Granville, Washington County, New York (Washington County Tax Map ID: 126.-1-26) (**Figure 2**). The Site is located in a mixed commercial and residential area. According to the Washington County property description records, the property is zoned commercial. The Site encompasses approximately 20.3 acres and is bounded by County Route 26 and additional commercial properties to the west. Adjacent to the Site along the southwest is 8626 State Route 22 (Moores' Corners, Inc.) (tractor equipment supplier) and New York State Route 22. The southern portion of the property is undeveloped land. Warner's Auto Body, an auto sales and repair facility, adjoins the property to the north where some vehicles have been noted to be encroaching on the Katzman Recycling property along the western end of the Site. Further north, athletic fields and farmland are present. Directly east of the property is a former Delaware and Hudson Railroad roadbed which has been converted into a recreational trail. Agricultural land and wooded land extend farther to the east.

There is a wetland which has consistent standing water, located on the south end of the Site and a second delineated wetland which transects the Site near the center of the property, east of the main accumulation area. The Site drainage is expected to flow towards the Indian River, located on the southwest side of Route 22, which ultimately flows into the Mettawee River. The Site entrance off of Route 26 is secured by fencing and a locked gate; however, the Site's southwestern and eastern boundaries are readily accessible. The gravel road leading from Route 26 onto the eastern end of the Site provides access to the former scrap metal recycling areas that were the focus of the RI. The majority of the Site is undeveloped and the eastern half of the property is heavily wooded. The Site is generally level with the exception of the southwestern portion where the wetland is located which is approximately 30 feet lower in elevation from the developed portion of the Site.

2.2 Site Geology and Hydrogeology

2.2.1 Surficial Geology

Based on the information gathered during the RI, the subsurface geology consists of an upper stratigraphy of brown, medium sand above a gray to brown silt, beginning at approximately five feet below ground surface (bgs) (KTZ-SB-1 to KTZ-SB-14) and extending up to a maximum depth of approximately 44 feet bgs (KTZ-SB-12). All borings were drilled until the sediment-water interface was hit, which occurred at approximately 12 feet bgs at a majority of the locations. Subsurface soil findings observed during the RI are discussed in **Section 4**.

According to the Surficial Geology Map of New York – Hudson-Mohawk Sheet (1987), the material underlying the Site is classified as Lacustrine sand (ls). The material is described as "sand deposits

associated with large bodies of water, generally a near-shore deposit or near a sand source. Well sorted, stratified, generally quartz sand with variable thickness (2 to 20 meters)." The RI observations are generally consistent with the mapped descriptions. According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS), soil at the Site and in the surrounding area is classified as Hartland-Belgrade, very fine sandy loam (HcC) and silt loam (BeB).

Based on field observations, native surficial geology at the Site was found to coincide with the description above; however, native soil within the main waste accumulation area was observed to be overlain by fill material consisting of abundant debris, ash, and scrap material. This fill material is primarily located in the area around the former incinerator building and debris pile extending toward the south-southwest, and was found to range from a minimal thickness layer up to multiple feet thick.

2.2.2 Bedrock Geology

According to the Bedrock Geology Map of New York State – Hudson-Mohawk Sheet (1970), bedrock underlying the Site and surrounding area is classified as the Late Ordovician aged Indian River Slate. The Indian River Slate Formation is described as "deep-maroon and bluish-green weathering, well-bedded and variegated slate." Bedrock was not cored during the RI; however, abundant outcrops of the Indian River Slate Formation are found in the immediate vicinity of the Site.

2.2.3 Hydrogeology

The top of the groundwater table at the Site was generally encountered within a silt and fine sand layer. Based on relative groundwater surface elevation measurements collected during the August 2016, November 2016, and April 2017 groundwater sampling events, the inferred predominant groundwater flow direction in the overburden aquifer at the Site is toward the west-southwest, in the direction of the wetland located in the southwest section of the Site. Groundwater elevation measurements and inferred groundwater contours, based on the measurements collected in August 2016, November 2016, and April 2017, are shown on **Figures 3a**, **3b**, and **3c**, respectively.

2.3 Current Site Uses

The Site is currently not in use.

2.4 Historic Site Uses

Following the purchase of the property by Mr. Katzman, for approximately 58 years, between 1949 and 2007, the Site operated as a facility which accepted various metal products for recovery and recycling. The former incinerator building used during historical operations is centrally located on the Site. Associated incinerator waste was observed to be accumulated to the north, west, and south of the structure. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment,

white goods, transformer carcasses, capacitors, and other electrical equipment. A pile located along the embankment near the wetland on the south end of the Site was found to be composed of incinerator waste generated during historic Site activity. The area east of the incinerator building appears to be the location where capacitors and transformers were dismantled. Additionally, to the east of the incinerator, several older model automobiles were discovered to be scattered throughout the woods. A pole barn used for storage and possible mechanical work is located along the northwestern Site boundary. Note that detailed operational records for the Site were not available at the time of the RI.

3.0 PREVIOUS INVESTIGATIONS

Presented in this section are summaries of the results of previous investigations conducted at the Site. The prior investigations described below include a site investigation conducted by the NYSDEC in 2006 and post excavation sampling events conducted by Precision Environmental Services, Inc. (Precision) in December 2014 and January 2015. Work performed by Precision is summarized in **Section 3.2** below.

3.1 NYSDEC 2006 – Preliminary Site Sampling

The NYSDEC conducted a limited Site sampling event in 2006 to identify contaminants of concern at the Site. The assessment focused on a wide range of potential contaminants including metals, pesticides, PCBs, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).

Findings of the site sampling indicated that the surface soil contained levels of PCBs as high as 130,000 milligrams per kilogram (mg/kg). Based on the findings of the 2006 preliminary site investigation, the Site was reclassified as a Class 2 Site by the NYSDEC. Additionally, in concert with the New York State Department of Health (NYSDOH), on August 23, 2007, Site No. 558035 was assigned to the Site. The Class 2 designation signifies that the disposal of hazardous waste has been confirmed and the presence of such hazardous waste or its components or breakdown products represents a significant threat to public health or the environment. Supporting documentation detailing Site sampling activities conducted by the NYSDEC is included in **Appendix A**.

3.2 Precision Environmental Services 2014 & 2015 – Interim Remedial Measure

Between October 2014 and January 2015, Precision conducted an Interim Remedial Measure (IRM) which included the excavation of surface soil and former transformer "windings" impacted with PCBs, lead, and arsenic located to the south and to the east of the incinerator building. The scope of the remedial work also included the characterization and disposal of all excavated soil. Supporting documentation detailing IRM activities conducted by Precision is included in **Appendix B.**

Precision mobilized to the Site on October 31, 2014 to begin preliminary preparation for excavation activities, which included the installation of the perimeter fencing and erosion and sediment controls and construction of a decontamination pad. In November 2014, Precision conducted excavation of an area identified as "Area A" on Precision Figure 1 – Area A Excavation Detail (December 3, 2014) which is located directly south of the incinerator building. This area was excavated to a total depth of up to two feet bgs. The area was divided into grid cells and excavated in one foot lifts. Post excavation samples were collected and analyzed for PCBs by Phoenix Laboratories. Three of the initial samples from this excavation work exceeded 100 mg/kg for total PCBs and additional excavation work was completed between November 14, 2014 and December 5, 2014. Approximately 300 tons of PCB impacted soil was excavated

from the “Area A” excavation. The “Area A” excavation area was then backfilled to allow for work to commence on the “Area B” excavation.

Between December 2014 and January 2015, Precision excavated an area located directly east of Area A identified as “Area B” on Precision Figure 1 – Area B 3rd Cut Excavation Detail (January 21, 2015). The excavation depths in Area B ranged from one to three feet bgs. The first excavation, approximately one foot below grade, was completed between December 1 and December 9, 2014. Forty-seven individual grid cells were designated within the excavation area and sampled for PCBs following the removal of the top foot of soil. Analytical results from the first excavation indicated that 41 out of the 47 cells had PCB concentrations in excess of 100 mg/kg. The second excavation interval began on or about December 10 and was completed by December 16, 2014, followed by an additional round of post excavation sampling for PCBs. The third excavation of “Area B” was then completed between January 2, 2015 and January 16, 2015 to remove one additional foot of soil from grid cells where PCB concentrations in excess of 100 mg/kg remained. Additional excavation and the removal of metal windings and capacitors was completed between Areas A and B (referred to as the narrows on Precision drawings). A total of approximately 1,892 tons of PCB impacted soil from both excavation areas was transported offsite to Wayne Disposal, Inc. in Belleville, Michigan for final disposal.

Based on Site reconnaissance, Area A and Area B appear to have been backfilled to grade. Additionally, please note that Areas A and B were included in future investigations discussed herein.

4.0 REMEDIAL INVESTIGATION

The RI field activities described in this section were completed by TRC between December 2015 and June 2017. The RI was completed in accordance with the NYSDEC DER WA No. D007620-24, Notice to Proceed dated July 7, 2015, the NYSDEC-approved Scope of Work dated November 30, 2015, emails to the Department dated March 13, 2017 summarizing proposed additional field activities, subsequent discussions with the Department, and DER-10 Technical Guidance for Site Investigation and Remediation.

While samples were collected from across the Site, the RI was focused on the area around the former incinerator building and the debris and ash pile located to the west of the building. The extent of the approximate area of concern is shown on **Figure 4**.

The RI implementation was completed in accordance with the NYSDEC-approved plans including:

- Health and Safety Plan (HASP);
- Field Activities Plan (FAP); and
- Quality Assurance Project Plan (QAPP).

4.1 Applicable Regulatory Standards

This subsection identifies the regulatory standards and guidelines used to evaluate the results of the analyses of soil, groundwater, surface water, and sediment samples. The standards and guidelines used to evaluate the data associated with each specific media are described individually below.

4.1.1 Soil Cleanup-Objectives (SCOs)

Surface and subsurface soil sampling results were evaluated by comparison to the Commercial Use SCOs in Table 375-6.8(b) of 6 NYCRR 375.

4.1.2 Groundwater and Surface Water Guidance Values

Groundwater sampling results were evaluated by comparison to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values ("Class GA Values"). Surface water sampling results were evaluated by comparison to NYSDEC Division of Water TOGS 1.1.1 Type A(A), A(C), H(FC), and W Guidance Values.

4.1.3 Sediment Guidance Values

Sediment sampling results were evaluated by comparison to the Class C Sediment Guidance Values (SGVs) from the NYSDEC "Screening and Assessment of Contaminated Sediment".

4.2 Wetland Delineation

An initial wetland and waterbody delineation was conducted by a team of two TRC scientists on December 16, 2015. Wetland and waterbody boundaries were flagged in the field and locations were preliminarily recorded utilizing a Trimble Global Positioning System (GPS) unit with sub-meter accuracy. Wetlands and waterbodies were photo documented and Wetland Determination Data Sheets were completed (included as **Appendix C** for reference).

The wetland and waterbody boundary delineation was performed on December 16, 2015. The delineation identified two significant wetland areas. One identified wetland is located in the southwestern corner of the Site, in the low lying area between the main waste accumulation area and 8626 State Route 22 (Moores' Corners, Inc.). The second identified wetland is located within the wooded area east of the main accumulation area. The eastern identified wetland cross-cuts the Site in a northwest to southeast direction, spanning the entire Site. The delineated extents of the wetlands are shown on the all attached report figures that contain these areas.

4.3 Land Survey

A land survey was performed by a New York Licensed land surveyor between December 14 and 18, 2015 and on July 21, 2016. Susan M. Anacker, Professional Land Surveyor, PLLC, conducted the survey to include the following Site features:

- Property boundaries;
- Site topography;
- Location of large debris piles;
- Location of onsite incinerator;
- Location of the Pole Barn;
- Wetlands and surface water limits;
- Location and ground surface elevation of all test pit locations;
- Location and ground surface elevation of all direct push soil sampling locations; and
- Location, ground surface elevation, top of outer casing elevation, and top of riser elevation for all newly installed monitoring wells.

4.4 Test Pit Exploration

4.4.1 Test Pit Exploration Scope of Work

Test pit excavation and sampling activities were conducted between January 4 and January 8, 2016. A total of 35 soil samples from 29 test pit excavations (KTZ-TP-1 through KTZ-TP-28 and KTZ-PILE-1) were collected from across the Site. The 35 soil samples were analyzed for VOCs, SVOCs, PCBs, and Resource

Conservation Recovery Act (RCRA) 8 metals. Additionally, two (2) of the 35 soil samples were analyzed for pesticides and herbicides. The test pit locations in relation to the Site areas are illustrated on **Figure 5**.

4.4.2 Test Pit Exploration Implementation

Between January 4 and 8, 2016, TRC retained the services of Parratt Wolff, Inc. (Parratt Wolff) to conduct test pit excavations at the Site. A total of 29 test pit excavations were completed across the Site utilizing a backhoe. All locations and depths of the excavations were directed by TRC. The test pit locations are shown on the attached **Figure 5**.

Soil from each test pit was screened for organic vapors using a photoionization detector (PID), inspected for indications of contamination (e.g., staining, odors, etc.), and visually characterized using the United Soil Classification System (USCS). PID readings between 0 and 16.9 parts per million (ppm) were observed, with the highest PID reading observed at test pit location TP-17 (16.9 ppm). The test pit logs, including PID screening results are included as **Appendix D**.

Soil samples were selected for laboratory analysis based on field observations and PID readings. A total of 35 soil samples collected from the test pits were submitted to TestAmerica Laboratories for the following analyses:

- VOCs via United States Environmental Protection Agency (USEPA) Method 8260C;
- SVOCs via USEPA Method 8270D;
- PCBs via USEPA Method 8082A;
- Metals via USEPA Methods 6010C and 7471B;
- Organochlorine Pesticides via USEPA Method 8081B (KTZ-TP-13-2' and KTZ-TP-18-3' only); and
- Herbicides via USEPA Method 8151A (KTZ-TP-13-2' and KTZ-TP-18-3' only).

The completion depth of each test pit, depths of samples selected for laboratory analysis, PID screening results, and the laboratory analyses performed on the selected sample intervals are summarized in the table below.

Test Pit Soil Sampling Summary

Test Pit Identification Number	Completion Depth (feet bgs)	Depth of Sample Selected for Analysis (feet bgs)	Maximum PID Reading (ppm)	VOCs and SVOCs	PCBs and Metals	Pesticides and Herbicides
KTZ-TP-1	4	1.5	0.0	X	X	
		4	0.0	X	X	
KTZ-TP-2	3	-	0.0			

Test Pit Soil Sampling Summary						
Test Pit Identification Number	**Completion Depth (feet bgs)**	**Depth of Sample Selected for Analysis (feet bgs)**	**Maximum PID Reading (ppm)**	**VOCs and SVOCs**	**PCBs and Metals**	**Pesticides and Herbicides**
KTZ-TP-3	2	2	0.0	X	X	
KTZ-TP-4	2.5	-	0.0			
KTZ-TP-5	2	2	0.0	X	X	
KTZ-TP-6	3	1	0.0	X	X	
		3	0.0	X	X	
KTZ-TP-7	4	2	0.0	X	X	
		4	0.0	X	X	
KTZ-TP-8	3	-	0.0			
KTZ-TP-9	4.5	2	0.0	X	X	
		4.5	7.3	X	X	
KTZ-TP-10	4	-	0.0			
KTZ-TP-11	3	2.5	0.0	X	X	
KTZ-TP-12	4.5	3	1.3	X	X	
		4	5.1	X	X	
KTZ-TP-13	4.5	2	3.9	X	X	X
		4	0.4	X	X	
KTZ-TP-14	5.5	3	0.0	X	X	
KTZ-TP-15	2.5	2.5	3.6	X	X	
KTZ-TP-16	2.5	2.5	0.0	X	X	
KTZ-TP-17	3	1	0.5	X	X	
		2	16.9	X	X	
KTZ-TP-18	7	3	0.0	X	X	X
		5	0.0	X	X	
		7	0.0	X	X	
KTZ-TP-19	2.5	2	0.0	X	X	
KTZ-TP-20	2	-	0.0			
KTZ-TP-21	4	2	0.0	X	X	
		4	0.0	X	X	
KTZ-TP-22	3	1	0.0	X	X	
KTZ-TP-23	8	4	0.0	X	X	
		8	0.0	X	X	
KTZ-TP-24	1.5	1	0.0	X	X	
KTZ-TP-25	2	1	0.0	X	X	
KTZ-TP-26	1.5	1	0.0	X	X	
KTZ-TP-27	2	1	0.0	X	X	
KTZ-TP-28	2.5	1	0.0	X	X	
KTZ-PILE-1	1	1	0.0	X	X	

Based on field observations, soil samples were not collected from five of the 29 test pits (KTZ-TP-2, KTZ-TP-4, KTZ-TP-8, KTZ-TP-10, and KTZ-TP-20). Test pits KTZ-TP-2 and KTZ-TP-4 were excavated near the entrance to the Site. No visible accumulation of scrap and/or debris were observed at these locations and native soils were reached immediately at the ground surface, therefore no samples were collected. Test pit KTZ-TP-8 was excavated near test pit KTZ-TP-7, at which two samples were collected from two different depths. Soil in KTZ-TP-8 was observed to be similar to soil documented in test pit KTZ-TP-7, therefore no sample was collected from KTZ-TP-8. Similarly, test pit KTZ-TP-10 was excavated proximate to test pit KTZ-TP-9, at which two samples were collected from two different depths. Soil in KTZ-TP-10 was observed to be similar to soil documented in test pit KTZ-TP-9, therefore no sample was collected from KTZ-TP-10. Due to site conditions, the location of test pit KTZ-TP-20 was shifted (from its original planned location) towards the observed pile of debris. Native soil was observed at the ground surface at location KTZ-TP-20, therefore a sample was collected from the debris pile instead (KTZ-PILE-1).

The soil samples were collected in accordance with NYSDEC/USEPA protocols, containerized in clean laboratory supplied jars, labeled, sealed, entered onto a chain-of-custody, and placed in chilled coolers for shipment to the TestAmerica Laboratories.

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

The locations of each test pit were marked in the field and surveyed by TRC field personnel using GPS equipment (**Figure 5**). The dimensions of each test pit are described in the test pit logs included as **Appendix D**.

4.4.3 Test Pit Sample Results

SVOC and metals impacts were observed in samples analyzed as part of the test pit investigation at the Site, however these parameters are not considered compounds of concern for the Site. The sample locations with SVOC and metals exceedances are located within the main waste accumulation area and coincide with the PCB impacts.

Ten test pit soil samples exhibited total PCB concentrations above the Commercial Use SCO of 1 mg/kg for surface soils and 10 mg/kg for soils deeper than one-foot bgs: KTZ-TP-7-2', KTZ-TP-9-2', KTZ-TP11-2.5', KTZ-TP13-2', KTZ-TP15-2.5', KTZ-TP17-1', KTZ-TP17-2', KTZ-TP-18-3', KTZ-TP-22-1', and KTZ-TP-28-1'. Total PCB concentrations in these 10 samples ranged from 2.17 mg/kg to 6,600 mg/kg.

Field observations recorded during test pit sampling are discussed in **Section 4.4.2**. The results of the analyses of the test pit soil samples are summarized in attached tables, **Table 1a** through **Table 1c**. The complete laboratory analytical data reports are presented in **Appendix E**. Test pit location and significant analytical results above Commercial Use SCOs are shown on **Figure 5.**

4.5 Surface Soil Sampling

4.5.1 Surface Soil Sampling Scope of Work

On April 18 and 19, a total of 24 surface soil samples, KTZ-SS-1 through KTZ-SS-24, were collected at the Site from 0 to 6 inches below the vegetative surface layer utilizing a hand auger. On August 4, 2016, one additional surface soil sample, KTZ-SS-BLDG FLOOR, was collected from within the incinerator building. The surface soil sample locations in relation to the different areas of the Site are illustrated on **Figure 6**.

After review of the analytical results from the initial 25 surface soil samples, five additional surface soil sample locations were added around KTZ-SS-1 (KTZ-SS-25 through KTZ-SS-28 and KTZ-SS-31) on June 16, 2017.

4.5.2 Surface Soil Sampling Implementation

On April 18 through April 19 and August 4, 2016 and June 16, 2017, a total of 30 surface soil samples, KTZ-SS-1 through KTZ-SS-28, KTZ-SS-31, and KTZ-SS-BLDG FLOOR, were collected from across the Site, primarily from the low-lying areas adjacent to the former incinerator building, areas where debris and ash have been observed, and in the drainage pathways that lead to the adjacent wetlands. Surface soil samples were collected from within the top six inches below the vegetative layer (where present) using a decontaminated hand auger. The location of each surface soil sample was marked in the field and surveyed by TRC field personnel using GPS. The surface soil sample locations are shown on **Figure 6**.

The initial surface soil samples collected in April and August 2016 were submitted for the following analyses:

- VOCs via USEPA Method 8260C (6 of 25 samples);
- SVOCs via USEPA Method 8270D (25 of 25 samples);
- PCBs via USEPA Method 8082A (25 of 25 samples);
- Metals via USEPA Methods 6010C and 7470A/7471B (25 of 25 samples); and
- Organochlorine Pesticides via USEPA Method 8081B (5 of 25 samples).

Due to elevated PCB concentrations detected in sample location KTZ-SS-1 (further discussed in **Section 4.5.3**), five additional step-out surface soil samples were collected on June 16, 2017 (KTZ-SS-25 through KTZ-SS-28 and KTZ-SS-31). The five additional samples were submitted to TestAmerica Laboratories for PCBs via USEPA Method 8082A.

Each surface soil sample was screened for organic vapors using a PID, inspected for indications of contamination (e.g., staining, odors, etc.), and visually characterized using the USCS. In general, all surface soil consisted of a brown silty sand. The PID readings for the 30 surface soil samples were all 0.0 ppm.

All surface soil samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica Laboratories under standard chain-of-custody procedures.

The surface soil samples selected for laboratory analysis, including the sample identification number, PID screening results, and the laboratory analyses performed each selected sample, are summarized in the following table.

Surface Soil Sampling Summary						
Sediment Sample Identification Number	**Maximum PID Reading (ppm)**	**VOCs**	**SVOCs**	**PCBs**	**Metals**	**Pesticides**
KTZ-SS-1	0.0	X	X	X	X	X
KTZ-SS-2	0.0		X	X	X	
KTZ-SS-3	0.0		X	X	X	
KTZ-SS-4	0.0		X	X	X	
KTZ-SS-5	0.0		X	X	X	
KTZ-SS-6	0.0		X	X	X	
KTZ-SS-7	0.0		X	X	X	
KTZ-SS-8	0.0		X	X	X	
KTZ-SS-9	0.0		X	X	X	
KTZ-SS-10	0.0		X	X	X	
KTZ-SS-11	0.0		X	X	X	
KTZ-SS-12	0.0	X	X	X	X	X
KTZ-SS-13	0.0	X	X	X	X	X
KTZ-SS-14	0.0		X	X	X	
KTZ-SS-15	0.0		X	X	X	
KTZ-SS-16	0.0		X	X	X	
KTZ-SS-17	0.0		X	X	X	
KTZ-SS-18	0.0		X	X	X	
KTZ-SS-19	0.0	X	X	X	X	X
KTZ-SS-20	0.0		X	X	X	
KTZ-SS-21	0.0		X	X	X	
KTZ-SS-22	0.0		X	X	X	
KTZ-SS-23	0.0	X	X	X	X	X
KTZ-SS-24	0.0		X	X	X	
KTZ-SS-25	0.0		X	X	X	

Surface Soil Sampling Summary						
Sediment Sample Identification Number	**Maximum PID Reading (ppm)**	**VOCs**	**SVOCs**	**PCBs**	**Metals**	**Pesticides**
KTZ-SS-26	0.0		X	X	X	
KTZ-SS-27	0.0		X	X	X	
KTZ-SS-28	0.0		X	X	X	
KTZ-SS-31	0.0		X	X	X	
KTZ-SS-BLDG FLOOR	0.0	X	X	X	X	

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.5.3 Surface Soil Sampling Results

On April 18 and 19 and August 4, 2016, a total of 25 surface soil samples, KTZ-SS-1 through KTZ-SS-24 and KTZ-SS-BLDG FLOOR, were collected from across the Site, primarily from the low-lying areas adjacent to the former incinerator building, areas where debris and ash have been observed, as well as in the drainage pathways that lead to the adjacent wetlands.

Six surface soil samples contained metals at concentrations above Commercial Use SCOs for arsenic, barium, cadmium, copper, lead, and/or mercury. The sample locations with metals exceedances are located within the main waste accumulation area, with the exception of KTZ-SS-1, and coincide with PCB impacts.

All 25 surface soil samples were analyzed for PCBs (in April and August 2016).

Eight surface soil samples exhibited total PCB concentrations above the Commercial Use SCO (1.0 mg/kg): KTZ-SS-1, KTZ-SS-2, KTZ-SS-5, KTZ-SS-11, KTZ-SS-12 KTZ-SS-14, KTZ-SS-16, and KTZ-SS-BLDG FLOOR. Total PCB concentrations ranged from 1.38 mg/kg (KTZ-SS-SS-BLDG FLOOR, located within the incinerator building) to 32.4 mg/kg (KTZ-SS-12, located in the main waste accumulation area).

Due to the elevated concentrations of PCBs found in surface soil sample KTZ-SS-1, located west (outside) of the Site entrance gate, five additional step-out samples were collected on June 16, 2017 (KTZ-SS-25 through KTZ-SS-28 and KTZ-SS-31) to fully delineate the area. Of these additional step-out samples, only one sample, KTZ-SS-27, exhibited a total PCB concentration (1.22 mg/kg) above the Commercial Use SCO. Note that surface soil samples surrounding KTZ-SS-27 had analytical results below the PCB Commercial Use SCO concentration.

Summaries of the results of the analyses of the surface soil samples collected during the sampling event are presented in tables, **Table 2a** through **Table 2c**. The complete laboratory analytical reports are provided in **Appendix F**. Surface soil sample locations and analytical results above Commercial Use SCOs are shown on **Figure 6**.

4.6 Surface Water Sampling

4.6.1 Surface Water Sampling Scope of Work

A total of five surface water samples, KTZ-SW-1 through KTZ-SW-5, were collected from the wetland located in the south-east portion of the site. The samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. Additionally, three of the samples (KTZ-SW-1, KTZ-SW-3, and KTZ-SW-5) were analyzed for dioxins. During the Site reconnaissance, it was determined that there was no discernable overland connection between the Site wetland and Indian Creek, and after consultation with the Department, it was determined that no samples were to be collected from Indian Creek as part of this RI.

Surface water sampling activities were completed on April 19, 2016. The surface water sample locations are shown on **Figure 7**.

4.6.2 Surface Water Sampling Implementation

A total of five surface water samples, KTZ-SW-1 through KTZ-SW-5, were collected on April 19, 2016 from the standing water associated with the wetland area located southwest of the main waste accumulation area. The location of each surface water sample was marked in the field and surveyed by TRC field personnel using GPS. The surface water sample locations are shown on **Figure 7**.

Surface water samples were collected and placed directly into laboratory supplied glassware. Surface water samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica under standard chain-of-custody procedures. Surface water samples were submitted for the following analyses:

- VOCs via USEPA Method 8260C (3 of 5 surface water samples);
- SVOCs via USEPA Method 8270D (5 of 5 surface water samples);
- PCBs via USEPA Method 8082A (5 of 5 surface water samples);
- Metals via USEPA Methods 6010C and 7470A/7471B (5 of 5 surface water samples);
- Organochlorine Pesticides via USEPA Method 8081B (3 of 5 surface water samples); and
- Dioxins via USEPA Method 8290A (3 of 5 surface water samples).

The surface water samples selected for laboratory analysis, including the sample identification number and the laboratory analyses performed each selected sample, are summarized in the following table.

Surface Water Sampling Summary						
Surface Water Sample Identification Number	**VOCs**	**SVOCs**	**PCBs**	**Metals**	**Pesticides**	**Dioxins**
KTZ-SW-1	X	X	X	X	X	X
KTZ-SW-2		X	X	X		
KTZ-SW-3	X	X	X	X	X	X
KTZ-SW-4		X	X	X		
KTZ-SW-5	X	X	X	X	X	X

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.6.3 Surface Water Sampling Results

The surface water sampling results indicated pesticide concentrations in groundwater above Class H(FC) and W values at two of the five sample locations (KTZ-SW-1 and KTZ-SW-5), and iron concentrations above Type A(C) in four out of five locations (KTZ-SW-1 through KTZ-SW-3 and KTZ-SW-5). These parameters are not considered compounds of concern for the Site. All five surface water sample locations were analyzed for PCBs, however no PCBs were detected above Type A(A), A(C), H(FC) or W values in the surface water samples. Three of the five surface water sample locations were analyzed for dioxins. Two of the three sample locations analyzed for dioxins (KTZ-SW-1 and KTZ-SW-3) contained concentrations of dioxins above Type H(FC) standard for 2,3,7,8-TCDD equivalency.

Summaries of the results of the analyses of the surface water samples collected during the sampling event are presented in tables, **Table 3a** through **Table 3e**. The complete laboratory analytical reports are provided in **Appendix F**. Surface water sample locations with significant analytical results above Class A(A), A(C), H(FC) or W values are identified on **Figure 7.**

4.7 Sediment Sampling

4.7.1 Sediment Sampling Scope of Work

A total of eight sediment samples, KTZ-SD-1 through KTZ-SD-8, were collected from the wetland located in the southeast portion of the Site. Five of the eight sediment samples were co-located with the five surface water sample locations, which were similarly analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. At the request of the Department, three of the five sample locations (KTZ-SD-1, KTZ-SD-3, and KTZ-SD-

5) were analyzed for dioxins. After reviewing the analytical results from the five sediment samples (KTZ-SD-1 through KTZ-SD-5), three additional samples (KTZ-SD-6 through KTZ-SD-8) were collected around KTZ-SD-3 to further evaluate the concentrations of metals in the sediment.

The initial five sediment samples, KTZ-SD-1 through KTZ-SD-5, were collected on April 19, 2016. The three additional sediment samples around KTZ-SD-3 (KTZ-SD-6 through KTZ-SD-8) were collected on June 9, 2016. The sediment sample locations are shown on **Figure 8**.

4.7.2 Sediment Sampling Implementation

A total of five sediment samples, KTZ-SD-1 through KTZ-SD-5, were collected on April 19, 2016 from the wetland area located southwest of the main waste accumulation area. The location of each sediment sample was marked in the field and surveyed by TRC field personnel using GPS. The sediment sample locations are shown on **Figure 8**.

Sediment samples were collected utilizing a hand auger, which was properly decontaminated, by scrubbing with Alconox and water, before and after use at each sample location. Sediment samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica under standard chain-of-custody procedures. Sediment samples were submitted for the following analyses:

- VOCs via USEPA Method 8260C (3 of 5 sediment samples);
- SVOCs via USEPA Method 8270D (5 of 5 sediment samples);
- PCBs via USEPA Method 8082A (5 of 5 sediment samples);
- Metals via USEPA Methods 6010C and 7470A/7471B (5 of 5 sediment samples);
- Organochlorine Pesticides via USEPA Method 8081B (3 of 5 sediment samples); and
- Dioxins via USEPA Method 8290A (3 of 5 sediment samples).

Due to elevated concentrations of arsenic, chromium, and lead observed at sample location KTZ-SD-3 (further discussed in **Section 4.7.3**), three additional step-out sediment samples were collected (KTZ-SD-6 through KTZ-SD-8) to further delineate that area. The three additional samples were submitted to TestAmerica Laboratories for the following analyses:

- SVOCs via USEPA Method 8270D;
- PCBs via USEPA Method 8082A; and
- Metals via USEPA Methods 6010C and 7471B.

The sediment samples selected for laboratory analysis, including the sample identification number and the laboratory analyses performed each selected sample, are summarized in the following table.

Sediment Sampling Summary						
Sediment Sample Identification Number	**VOCs**	**SVOCs**	**PCBs**	**Metals**	**Pesticides**	**Dioxins**
KTZ-SD-1	X	X	X	X	X	X
KTZ-SD-2		X	X	X		
KTZ-SD-3	X	X	X	X	X	X
KTZ-SD-4		X	X	X		
KTZ-SD-5	X	X	X	X	X	X
KTZ-SD-6		X	X	X		
KTZ-SD-7		X	X	X		
KTZ-SD-8		X	X	X		

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.7.3 Sediment Sampling Results

A total of five sediment samples, KTZ-SD-1 through KTZ-SD-5, were collected for laboratory analysis on April 19, 2016 from the wetland area located southwest of the main waste accumulation area. These locations were co-located with the five surface water samples, KTZ-SW-1 through KTZ-SW-5. Three additional step-out sediment samples, KTZ-SD-6 through KTZ-SW-8, were collected for laboratory analysis on June 9, 2016.

The sediment sampling event revealed metal impacts in sediment above Class C SGVs values at one sediment sample location (KTZ-SD-3) for arsenic, chromium, and lead, however these parameters were not detected above Class C SGVs at any of the three step-out sediment sample locations (KTZ-SD-6 through KTZ-SD-8). These metals exceedances are not considered compounds of concern for the Site.

All eight sediment sample locations were analyzed for PCBs, however no PCBs were detected above Class C SGVs in the sediment samples.

Summaries of the results of the analyses of the sediment samples are presented in tables, **Table 4a** through **Table 4d**. The complete laboratory analytical data reports are presented in **Appendix F**. Sediment sample locations and analytical results above Class C SGVs are shown on **Figure 8**.

4.8 Direct Push Sampling

4.8.1 Direct Push Sampling Scope of Work

A total of 29 soil samples were collected from 14 direct push soil boring locations, KTZ-SB-1 through KTZ-SB-14 at the Site. The 29 soil samples were analyzed for PCBs and Target Analyte List (TAL) metals. Additionally, nine of the 29 soil samples were analyzed for VOCs, SVOCs, pesticides, and herbicides. The direct push soil boring locations in relationship to the Site areas are illustrated on **Figure 9**.

The initial direct push investigative activities were conducted between July 5 and July 12, 2016. In addition to the direct push sampling event, a supplemental direct push PCB investigation was conducted to further characterize PCB impacts in the main waste accumulation area (as described in **Section 4.10**) on November 29 and 30, 2016.

4.8.2 Direct Push Sampling Implementation

Between July 5 and 12, 2016, 29 soil samples were collected from 14 soil boring locations across the Site, KTZ-SB-1 through KTZ-SB-14, utilizing a track-mounted Geoprobe® rig operated by Parratt-Wolff, Inc. (Parratt-Wolff). At each direct push soil boring location, soil samples were collected continuously to the predetermined boring termination depth, which ranged from approximately 12 to 16 feet bgs, unless refusal was encountered at a shallower depth. One soil boring, KTZ-SB-12, was completed to a depth of 44 feet bgs, near the southern extent of the main waste accumulation area, to determine the approximate maximum thickness of the debris encountered during installation. Soil samples were screened for VOCs using a PID, inspected for indications of contamination (e.g., staining, odors, etc.), and visually characterized. Geologic descriptions of the soil and field screening results were recorded in the field. The direct push soil boring logs are included as **Appendix G**.

Soil samples at each direct push soil boring location were selected for laboratory analysis based on field observations and PID readings. Those depths that exhibited the highest readings or visual/olfactory evidence of potential impacts were selected. Soil samples were submitted to TestAmerica Laboratories for the following analyses:

- VOCs via USEPA Method 8260C (5 of 14 sample locations);
- SVOCs via USEPA Method 8270D (5 of 14 sample locations);
- PCBs via USEPA Method 8082A (14 of 14 sample locations);
- Metals via USEPA Methods 6010C and 7470A/7471B (14 of 14 sample locations);
- Organochlorine Pesticides via USEPA Method 8081B (5 of 14 sample locations); and
- Herbicides via USEPA Method 8151A (5 of 14 sample locations).

The completion depth of each direct push boring, depths of samples selected for laboratory analysis, PID screening results, and the laboratory analyses performed on the selected sample intervals are summarized in the following table.

Direct Push Soil Sampling Summary					
Soil Boring Identification Number	**Boring Completion Depth (feet bgs)**	**Depth of Sample Selected for Analysis (feet bgs)**	**Maximum PID Reading (ppm)**	**VOCs and SVOCs Pesticides/Herbicides**	**Metals and PCBs**
KTZ-SB-1	12	2	0.0	X	X
		9	0.0	X	X
KTZ-SB-2	16	3	0.0		X
		7	0.0		X
		15	0.0		X
KTZ-SB-3	12	6	0.0	X	X
		10	0.0	X	X
KTZ-SB-4	12	2.5	55.4	X	X
		6	7.6	X	X
KTZ-SB-5	12	3	0.0		X
		6	0.0		X
KTZ-SB-6	12	2	0.0	X	X
		9	0.0	X	X
KTZ-SB-7	8	4	0.0		X
KTZ-SB-8	5	5	0.0	X	X
KTZ-SB-9	12	3	0.0		X
		6	0.0		X
KTZ-SB-10	15.5	2	0.0		X
		5	0.0		X
KTZ-SB-11	12	2	0.0		X
		6	0.0		X
KTZ-SB-12	44	7	0.0		X
		13.5	0.0		X
		19	0.0		X
		25	0.0		X
KTZ-SB-13	12	2	0.0		X
		6	0.0		X
KTZ-SB-14	12	2	1.8		X
		6	1.2		X

The direct push sampling locations were collected from the main waste accumulation area, wetland area, wooded area east of the main accumulation area, and outside of the entrance gate. The location of each soil boring was marked in the field. The locations and ground surface elevations were later surveyed by a New York State Licensed surveyor; locations shown on **Figure 9**.

The soil samples were collected in accordance with NYSDEC/USEPA protocols, containerized in clean laboratory supplied jars, labeled, sealed, entered onto a chain-of-custody, and placed in chilled coolers for shipment to TestAmerica Laboratories.

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.8.3 Direct Push Soil Sampling Results

VOC, SVOC, and metals impacts were observed in soil samples analyzed as part of the direct push investigation at the Site, however these parameters are not considered compounds of concern for the Site. The sample locations with VOC, SVOC, and metals exceedances are located within the main waste accumulation area and coincide with the PCB impacts. Additional metals such as aluminum, calcium, iron, and manganese are typically found naturally in the environment and are not currently believed to be significant impacts (USGS, 1982).

One soil sample collected from sample location KTZ-SB-12 exhibited total PCB concentrations of 13.1 mg/kg, which is above the Commercial Use SCO of 10 mg/kg for PCBs. Note that this sample location (KTZ-SB-12) is located within the main waste accumulation area.

Field observations recorded during the direct push soil boring investigation are discussed in **Section 4.8.2**. A summary of the soil laboratory analytical results are presented in the attached tables, **Table 5a** through **Table 5d**. The analytical results were compared to Commercial Use. The complete laboratory analytical data reports are presented in **Appendix H.** Direct push sampling locations and significant analytical results above Commercial Use SCOs are shown on **Figure 9.**

4.9 Monitoring Well Installation and Sampling

4.9.1 Monitoring Well Installation and Sampling Scope of Work

A total of eight monitoring wells, KTZ-MW-1 through KTZ-MW-8, were installed and developed between July 5 and 13, 2016. The locations were co-located with the direct push sample locations. Groundwater samples were collected from the monitoring wells for laboratory analysis in August 2016 and April 2017. The monitoring well locations in relation to the Site areas are illustrated on **Figure 10**.

4.9.2 Monitoring Well Installation and Development

Between July 5 and July 11, 2016, Parratt-Wolff (under the direct supervision of TRC) installed a total of eight monitoring wells, KTZ-MW-1 through KTZ-MW-8, co-located with soil boring locations, KTZ-SB-1 through KTZ-SB-8. All monitoring wells were installed to a depth of 15 feet bgs, with the exception of monitoring well KTZ-MW-8, which was installed to a depth of five feet bgs due to the shallow depth of bedrock in this area. The locations, ground surface elevations, tops of outer casing elevation, and tops of riser elevation for all newly installed monitoring wells were surveyed by a New York State Licensed surveyor; locations shown on **Figure 10**.

Each monitoring well borehole was sampled continuously from the ground surface to the boring termination depths to confirm geology. Soil was screened for VOCs using a PID and inspected for indications of contamination (e.g., staining, odors, etc.).

Each monitoring well was constructed using two inch diameter PVC risers and 10 foot screen lengths. Approximately five feet of screen was installed above the water table, where feasible. Monitoring well KTZ-MW-1 was completed at grade (flush-mount) with a protective road box and two foot by two foot concrete pad. Monitoring wells KTZ-MW-2 through KTZ-MW-8 were completed above grade with a protective casing set in a two foot by two foot concrete pad. The monitoring well construction logs are included as **Appendix I**.

On July 12 and 13, 2016, TRC and Parratt-Wolff returned to the Site to develop the newly installed monitoring wells. The monitoring wells were developed via pump and surge techniques. Development was considered complete when observed turbidity fell below 50 nephelometric turbidity units (NTUs), the well purged dry, or 10 well volumes had been removed, whichever occurred first. The monitoring well development logs are included as **Appendix J**.

Purged groundwater generated through development activities was containerized in 55 gallon steel drums, secured, labeled, and staged onsite pending laboratory analysis for proper offsite disposal.

4.9.3 Monitoring Well Sampling

Two rounds of groundwater samples were collected from the monitoring wells in August 2016 and April 2017. Prior to the collection of samples, the monitoring wells were gauged for total well depth, depth to water, and if present, depth to light non-aqueous phase liquid (LNAPL). Groundwater samples were collected via low-flow methods. A TRC project scientist monitored each location for water quality parameters, including temperature, pH, conductivity, dissolved oxygen, oxidation reduction potential, and turbidity, prior to collecting a sample. Water quality readings collected during the sampling event were recorded on low-flow groundwater sampling records by a TRC project scientist. Copies of the low-flow sampling records are included as **Appendix K**.

4.9.3.1 August 2016 Groundwater Sampling Event

The first groundwater sampling event was conducted on August 4, 2016. Groundwater elevations in each monitoring well were gauged with an oil/water interface probe. No LNAPL was identified in any of the monitoring wells. Based on relative groundwater surface elevation measurements, the inferred predominant groundwater flow direction in the overburden aquifer at the Site was toward the southwest, in the direction of the wetland located in the southwest section of the Site (**Figure 3a**).

Groundwater samples were collected from six onsite monitoring wells during this event (KTZ-MW-1, KTZ-MW-2, KTZ-MW-3, KTZ-MW-5, KTZ-MW-6, and KTZ-MW-7). Monitoring wells KTZ-MW-4 and KTZ-MW-8 were dry at the time of sampling, therefore no groundwater samples were collected.

Following stabilization of the water quality parameters, groundwater samples were collected for the following analyses:

- VOCs via USEPA Method 8260C;
- SVOCs via USEPA Method 8270D;
- PCBs via USEPA Method 8082A; and
- Metals via USEPA Methods 6010C and 7470A/7471B.

Groundwater samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica Laboratories. Standard chain-of-custody procedures were followed. Purged groundwater collected during monitoring well sampling activities was containerized in 55 gallon steel drums, secured, and labeled prior to transportation offsite for disposal.

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.9.3.2 April 2017 Groundwater Sampling Event

The second groundwater sampling event was conducted on April 20, 2017. Groundwater elevations in each monitoring well were gauged with an oil/water interface probe. No LNAPL was identified in any of the monitoring wells. Based on relative groundwater surface elevation measurements, the inferred predominant groundwater flow direction in the overburden aquifer at the Site was toward the southwest, in the direction of the wetland located in the southwest section of the Site (**Figure 3c**).

Groundwater samples were collected from seven onsite monitoring wells during this event, KTZ-MW-1 through KTZ-MW-7. Monitoring well KTZ-MW-8 was unable to be located at the time of sampling, therefore no groundwater sample was collected.

Following stabilization of the water quality parameters, groundwater samples were collected for the following analyses:

- VOCs via USEPA Method 8260C;
- SVOCs via USEPA Method 8270D;
- PCBs via USEPA Method 8082A;
- Metals via USEPA Methods 6010C and 7470A/7471B;
- 1,4-Dioxane via USEPA Method 8260C SIM; and
- Per- and Polyfluoroalkyl Substances (PFAS) via USEPA Method 537 (modified).

Groundwater samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica Laboratories. Standard chain-of-custody procedures were followed. All purged groundwater collected during monitoring well sampling activities was containerized in 55 gallon steel drums, secured, and labeled prior to transportation offsite for disposal.

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis shipped to the laboratory.

High density polyethylene (HDPE) tubing was utilized during the April 2017 sampling event so as not to introduce any cross contamination when analyzing for PFAS. One equipment blank sample was collected for PFAS to document that no cross contamination occurred.

4.9.4 Groundwater Sampling Results

The monitoring well sampling events revealed VOC and metal impacts in groundwater above Class GA values at the Site, however these parameters are not considered compounds of concern for the Site. Metal exceedances included compounds such as iron, manganese, and sodium which are typically found naturally in the environment and are not currently believed to be significant impacts (USGS, 1982).

During the August 2016 groundwater sampling event, one monitoring well contained PCB concentrations above the Class GA value. Monitoring well KTZ-MW-3 contained a total PCB concentration of 2.7 µg/L, which is above the Class GA value of 0.09 µg/L. No PCBs were detected above the corresponding Class GA value during the April 2017 groundwater sampling event.

During the April 2017 groundwater sampling event, PFAS were detected at varying concentrations in each of the seven sampled monitoring wells. PFAS detections ranged from 0.40 ng/L (perfluorodecanoic acid) to 2,700 ng/L (perfluoropentanoic acid).

Field observations recorded during the groundwater sampling events are discussed in **Section 4.9.3**. Summaries of the laboratory analytical results of the groundwater samples collected during the August 2016 and April 2017 sampling events are presented in tables, **Table 6a** through **Table 6e**. The complete laboratory analytical reports are provided for reference in **Appendix L**. Monitoring well locations and analytical results from both groundwater sampling events that demonstrated results above Class GA values are shown on **Figure 10.**

4.10 Supplemental PCB Investigation

4.10.1 Supplemental PCB Investigation Scope of Work

A total of 154 soil samples were collected from 36 direct push locations for analysis of PCBs to further delineate PCB impacts primarily within the main waste accumulation area and around the former incinerator building. The sampling locations were based on pre-defined grid points (rows A through F; columns 1 through 7). Where possible, based on soil recovery, samples were collected from each two-foot interval to a standard completion depth of 10 feet bgs.

Supplemental PCB investigation activities were conducted on November 29 and 30, 2016. **Figure 11** illustrates the location of the soil sample grid points.

4.10.2 Supplemental PCB Investigation Implementation

On November 29 and 30, 2016, a supplemental subsurface investigation was completed at the Site for the purpose of delineating the vertical and lateral extent of PCB impacts in soil. Soil samples were collected from a total of 36 locations from the defined Area of Concern (AOC) where PCBs had previously been identified above the Commercial Use Soil Cleanup Objective (SCO) identified during the test pit, soil boring, and surface soil sampling events. The supplemental soil sample locations were based on an approximately 40 feet by 40 feet grid. Sample locations were adjusted in the field as necessary to account for large debris piles, trees, and other Site structures (e.g., incinerator building). Each soil sample location was marked in the field and surveyed by TRC field personnel using GPS. The supplemental PCB investigation sample locations are shown on **Figure 11**.

Soil samples were collected continuously in five foot long, two inch diameter macro-core samplers to a minimum depth of 10 feet bgs. Borings were advanced an additional four feet (to a total depth of 14 feet bgs) in two locations (KTZ-SB-C7 and KTZ-SB-D2), because debris was encountered at or near 10 feet below grade. Soil samples collected from each boring were screened with a PID and inspected for indications of contamination (e.g., staining, odors, etc.). Geologic descriptions of the soil were classified according to the USCS and were recorded in the field by a TRC project scientist. The soil boring logs for the supplemental PCB investigation event are included as **Appendix M**.

Soil samples were collected from each two foot interval at each location. The samples were submitted to TestAmerica Laboratories for analysis for PCBs by USEPA Method 8082A. All samples were collected in accordance with NYSDEC/USEPA protocols, containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to TestAmerica under standard chain-of-custody procedures.

Quality control samples, including matrix spike and matrix spike duplicates were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis.

4.10.3 Supplemental PCB Investigation Results

In November 2016, 36 direct push borings were advanced in a grid pattern to delineate the vertical and horizontal extent of PCB impacts across the Site. The results of the analyses of the supplemental PCB investigation samples are summarized in **Table 7**. The laboratory analytical results have been compared to the Commercial Use SCOs. A discussion of the analytical results by depth interval is provided below. The complete laboratory analytical data reports are presented in **Appendix N**. The locations and analytical results compared to Commercial Use SCOs are shown on **Figure 11.**

4.10.3.1 PCB Results – 0 – 2 ft. Interval

Twenty-four soil samples collected from the zero to two feet bgs interval exhibited total PCB concentrations above the Commercial Use SCO of 1.0 mg/kg (refer to **Figure 12a**). Total PCB concentrations ranged from 1.77 mg/kg (KTZ-SB-A3) to 1,093 mg/kg (KTZ-SB-C4).

As indicated on **Figure 12a**, the volume of soil recovered from the zero to two feet bgs interval from 10 of the 36 borings was not adequate for laboratory analysis to be conducted.

In an effort to capture a comprehensive view of the PCB impacted soil at the Site, all soil samples collected during the previous Site investigations (surface soil, test pit, and direct push) from the zero to two feet bgs range are included on **Figure 12a** along with the supplemental PCB soil samples. The soil sample analytical results were used to illustrate the approximate volume of the Site exceeding the Commercial Use SCOs on **Figure 12a** in the upper two feet of the Site. Please note that **Figures 12b** through **12e** were similarly prepared for the two to four feet bgs, four to six feet bgs, six to eight feet bgs, and eight to 10 feet bgs intervals in the subsequent sections.

4.10.3.2 PCB Results – 2 – 4 ft. Interval

Eight soil samples collected from the two to four feet bgs interval exhibited total PCB concentrations above the Commercial Use SCO of 10 mg/kg (refer to **Figure 12b**). Total PCB concentrations in the eight samples ranged from 10 mg/kg (KTZ-SB-B2) to 120 mg/kg (KTZ-SB-C5).

As indicated on **Figure 12b**, the volume of soil recovered from the two to four feet bgs interval from six of the 36 borings was not adequate for laboratory analysis to be conducted.

4.10.3.3 PCB Results – 4 – 6 ft. Interval

Six soil samples collected from the four to six feet bgs interval exhibited total PCB concentrations above the Commercial Use SCO of 10 mg/kg (refer to **Figure 12c**). Total PCB concentrations in the six samples ranged from 11.2 mg/kg (KTZ-SB-C2) to 180 mg/kg (KTZ-SB-B5).

As indicated on **Figure 12c**, the volume of soil recovered from the four to six feet bgs interval from six of the 36 borings was not adequate for laboratory analysis to be conducted.

4.10.3.4 PCB Results – 6 – 8 ft. Interval

Four soil samples collected from the six to eight feet bgs interval exhibited total PCB concentrations above the Commercial Use SCO of 10 mg/kg (refer to **Figure 12d**). Total PCB concentrations in the four samples ranged from 11.31 mg/kg (KTZ-SB-D3) to 24.9 mg/kg (KTZ-SB-B6).

As indicated on **Figure 12d**, the volume of soil recovered from the six to eight feet bgs interval from six of the 36 borings was not adequate for laboratory analysis to be conducted.

4.10.3.5 PCB Results – 8 – 10 ft. Interval

Two soil samples collected from the eight to 10 feet bgs interval exhibited total PCB concentrations above the Commercial Use SCO of 10 mg/kg (refer to **Figure 12e**). Total PCB concentrations in the two samples ranged from 33 mg/kg (KTZ-SB-D2) to 36 mg/kg (KTZ-SB-C6).

As indicated on **Figure 12e**, the volume of soil recovered from boring KTZ-SB-B7 was not adequate for laboratory analysis to be conducted.

4.10.3.6 PCB Results – 10 – 12 ft. Interval

As referenced in **Section 4.10.2**, two of the 36 borings were advanced to 12 feet bgs (KTZ-SB-C7 and KTZ-SB-D2). Both soil samples collected from the 10 to 12 feet bgs interval exhibited PCB concentrations below the Commercial Use SCO of 10 mg/kg.

The volume of soil recovered from boring KTZ-SB-D2 was not adequate for laboratory analysis.

4.10.3.7 PCB Results – 12 – 14 ft. Interval

As referenced in **Section 4.10.2**, two of the 36 borings were advanced to 14 feet bgs (KTZ-SB-C7 and KTZ-SB-D2). Both soil samples collected from the 12 to 14 feet bgs interval exhibited PCB concentrations below the Commercial Use SCO of 10 mg/kg.

4.11 AST and IDW Disposal – Interim Remedial Measure

The NYSDEC retained the services of National Vacuum Environmental Services Corporation (National Vac) to complete an aboveground storage tank (AST) closure for a 2,000 gallon, steel, #2 fuel oil tank located in the former incinerator building. TRC assisted with the closure process of the AST by first collecting a waste characterization sample of the tank contents on June 9, 2016. Additional waste characterization was also completed by collecting wipe samples from the exterior of the AST, interior wall of the incinerator building, interior of the incinerator, and a scrap tanker located southeast of the incinerator building. Wipe samples were submitted to TestAmerica Laboratories for analysis for PCBs by USEPA Method 8082A. Wipe sample analytical results are included as **Appendix O** presented in the below table.

PCB Wipe Sampling Summary	
Wipe Sample Identification Number	**Total PCBs (µg/Wipe)**
KTZ-AST-WIPE	0.46
KTZ-BLDG WALL-WIPE	0.82
KTZ-INCIN-WIPE	0.52
KTZ-TANKER-WIPE	0.65

TRC provided onsite oversight during AST pumping and removal, and updating the tank's registration for the Site. The tank contents were pumped out by National Vac on July 7, 2016 and transported to the Albany Tank Services facility in Ravena, New York for disposal. The drummed tank contents were disposed of at the ARC facility in Tonawanda, New York. The AST was taken offsite on July 26, 2016 and transported to Plan It Waste & Recycling, Inc. in Ballston Spa, New York for scrapping.

TRC prepared and submitted a Tank Closure Summary Report dated February 14, 2017, which is included as **Appendix P**.

Additionally, National Vac was retained to dispose of the investigation derived waste (IDW) from the RI activities, which included soil cuttings from direct push soil sampling and monitoring well installation activities and development/purge water generated from the newly installed monitoring wells.

IDW generated during the investigation included soil cuttings from drilling activities, groundwater from well development, monitoring well sampling purge water, and sampling equipment decontamination liquids. The IDW was placed in U.S. Department of Transportation (DOT) approved 55 gallon drums and transported offsite as non-DOT regulated material by National Vac of Queensbury, New York for disposal at Hazman Recycling Center in Tonawanda, New York. The waste disposal manifests are included in **Appendix Q**.

4.12 Data Usability

The results of the data validation are summarized in the DUSRs. The DUSRs are provided in **Appendix R** and include a discussion on each qualified result, the potential bias and the effects on data usability. The results of the analyses of test pit, surface soil, surface water, sediment, groundwater direct push soil, groundwater, and supplemental PCB investigation data were found to be valid and usable for decision-making purposes.

5.0 FINDINGS AND FUTURE ACTIONS

The RI was completed in accordance with the NYSDEC DER WA No. D007620-24 Notice to Proceed dated July 7, 2015; the NYSDEC-approved Scope of Work dated November 30, 2015 and emails to the Department dated March 13, 2017 summarizing proposed additional field activities; subsequent discussions with the Department; and DER-10 Technical Guidance for Site Investigation and Remediation.

Findings and recommendations, based on the results of the RI and considering the results of prior investigations, are presented below.

5.1 Findings

5.1.1 Surface Soil Findings

Of all the constituents analyzed during the surface soil sampling program, only metals and PCB results exhibited concentrations above Commercial Use SCOs.

Nine of the 30 surface soil samples contained PCB concentrations above the Commercial Use SCO. As shown on **Figure 6**, the sample locations with exceedances were located west of the eastern wetland area (within or near the main accumulation area) and primarily bounded horizontally by other analytical results with PCB concentrations below the SCOs. Four of the nine surface soil samples containing PCB concentrations above the SCOs are located within the main waste accumulation area. PCB analytical results for test pit, direct push soil boring, supplemental PCB investigation, and the surface soil sampling locations with concentrations above Commercial Use SCOs in the zero to two feet bgs interval are illustrated on **Figure 12a**. Although the exceedances are primarily located within the main waste accumulation area and around the former incinerator building, additional impacts were found throughout the Site, with two located outside and west of the main gate.

Six surface soil samples contained metals concentrations above Commercial Use SCOs for arsenic, barium, cadmium, copper, lead, and/or mercury. Five of the six sample locations with metals exceedances are located within the main waste accumulation area, and generally coincide with the PCB impacts. Surface soil sample KTZ-SS-1, located at the western edge of the Site, was outside of the main accumulation area, but is similarly impacted with PCBs above the Commercial Use SCO.

5.1.2 Subsurface Soil Findings

The subsurface soil sampling program included test pit excavation, direct push sampling, and the supplemental PCB investigation. As detailed in **Section 4**, the subsurface investigations revealed limited VOC, SVOC, pesticide, and herbicide impacts in soil at the Site. These parameters are not considered compounds of concern for the Site.

Metal and PCB impacts above Commercial Use SCOs were encountered throughout the Site, though primarily in and around the former incinerator building and within the piles of debris associated with the scrap recycling process.

Figures 12b through **12e** illustrate the PCB impacts that were identified as a result of the subsurface soil investigations (2 feet to 10 feet bgs). Although the PCB impacts appear to be widespread throughout the main waste accumulation area and at select locations throughout the remainder of the Site, the vertical and lateral extents of PCB impacts have been generally delineated with the exception of vertical extents greater than 10 feet bgs at locations KTZ-SB-B6, KTZ-SB-C4, KTZ-SB-C5, KTZ-SB-C6, and KTZ-SB-D4. It should be noted that direct push soil boring KTZ-SB-12, located within the main waste accumulation area, exhibited PCB concentrations above Commercial SCOs at depths up to 19 feet bgs and scrap material and debris continued to a depth of 44 feet bgs at this location.

As shown on **Figures 5** and **9**, numerous subsurface soil samples had metal analytical results that exceeded the Commercial Use SCOs. Thirteen of the 35 test pit soil samples exhibited metals (arsenic, barium, cadmium, chromium, and/or lead) concentrations above Commercial Use SCOs: KTZ-TP-1-1.5', KTZ-TP-6-1', KTZ-TP-7-2', KTZ-TP-9-2', KTZ-TP-11-2.5', KTZ-TP-12-3', KTZ-TP-13-2', KTZ-TP-14-3', KTZ-TP-17-1', KTZ-TP-18-3', KTZ-TP-18-7', KTZ-TP-PILE-1, and KTZ-TP-22-1'. Arsenic, cadmium, chromium, copper, lead, nickel, and zinc were detected above the Commercial Use SCOs in select direct push soil samples. Cadmium, copper, and lead were detected in soil at concentrations above Commercial Use SCOs at varying depths in direct push soil sample KTZ-SB-12, located in the main waste accumulation area.

5.1.3 Groundwater Findings

Groundwater was sampled on two separate occasions during this RI. No LNAPL was identified in any of the monitoring wells during all three gauging events. Based on relative groundwater surface elevation measurements collected during the August 2016, November 2016, and April 2017 groundwater sampling events, the inferred predominant groundwater flow direction in the overburden aquifer at the Site is toward the west-southwest, in the direction of the wetland located in the southwest section of the Site, as shown on **Figure 3a**, **3b**, and **3c**.

During the August 2016 groundwater sampling event, one VOC (1,2,4-trichlorobenzene) was detected at a concentration of 12 µg/L, above the corresponding Class GA value of 5 µg/L, at monitoring well KTZ-MW-5. During the April 2017 groundwater sampling event, five VOCs (1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, chlorobenzene, and total xylenes) were detected above their corresponding Class GA values at monitoring well KTZ-MW-4. 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, chlorobenzene, and total xylenes were detected at concentrations of 8.8 µg/L, 28 µg/L, 5 µg/L, 310 µg/L, and 5.2 µg/L, respectively, above their respective Class GA values of 3 µg/L, 3 µg/L, 1 µg/L, 5 µg/L, and

5 µg/L. It should be noted that KTZ-MW-4 could not be sampled during the August 2016 sample event due to the lack of groundwater.

Total PCB concentrations were detected above the Class GA value (0.09 µg/L) on one occasion in monitoring well KTZ-MW-3 at a concentration of 2.7 µg/L during the August 2016 sampling event. No PCBs were detected above the corresponding Class GA value during the April 2017 groundwater sampling event. PCBs are not considered to have a significant presence in groundwater.

Three metals (iron, manganese, and sodium) were detected above Class GA values in several monitoring wells during both the August 2016 and April 2017 sampling events; however, these metals are typically found naturally in the environment and are not currently believed to be significant impacts (USGS, 1982).

5.1.4 Surface Water Findings

Three of the five surface water samples collected from the wetland area contained iron and sodium concentrations above Class GA values, which coincides with the findings of sodium and iron in the two monitoring wells located directly adjacent to the wetland area (KTZ-MW-6 and KTZ-MW-7). As these two metals are naturally occurring, they are currently not considered significant impacts.

One surface water sample, KTZ-SW-5, were found to contain one pesticide at a concentration above the corresponding Class GA value. Beta-BHC was detected above the Class GA value (0.04 µg/L) in surface water sample KTZ-SW-5, at a concentration of 0.054 µg/L.

There were no significant detections for VOCs, SVOCs, PCBs, or dioxins in surface water.

5.1.5 Sediment Findings

Three metals (arsenic, chromium, and lead) were detected in the sediment at concentrations above Class C SGVs at one sediment sample location (KTZ-SD-3). Three additional step-out samples were collected to delineate the extent of impacts detected at this location. No concentrations above Class C SGVs were detected in the step-out samples. Thus the impacts are considered localized and minor.

There were no significant detections for VOCs, SVOCs, PCBs, pesticides, or dioxins in any of the sediment sample locations.

5.2 Future Actions

Based on the results of the RI, a Focused Feasibility Study will be prepared for the Katzman Recycling Site to address the identified impacts.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

TRC Engineers, Inc. (TRC) completed a Remedial Investigation (RI) for the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) at the Katzman Landfill property in the Town of Granville, Washington County, New York. The RI was performed in general accordance with the Department Work Assignment No. D007620-24 Notice to Proceed dated July 7, 2015; the Department approved Scope of Work dated November 30, 2015; emails to the Department dated March 13, 2017 summarizing proposed additional field activities; subsequent discussions with the Department; and DER10 Technical Guidance for Site Investigation and Remediation.

TRC Engineers, Inc.

Prepared by:

Ryan S. Jorrey, PG (PA)
Project Manager

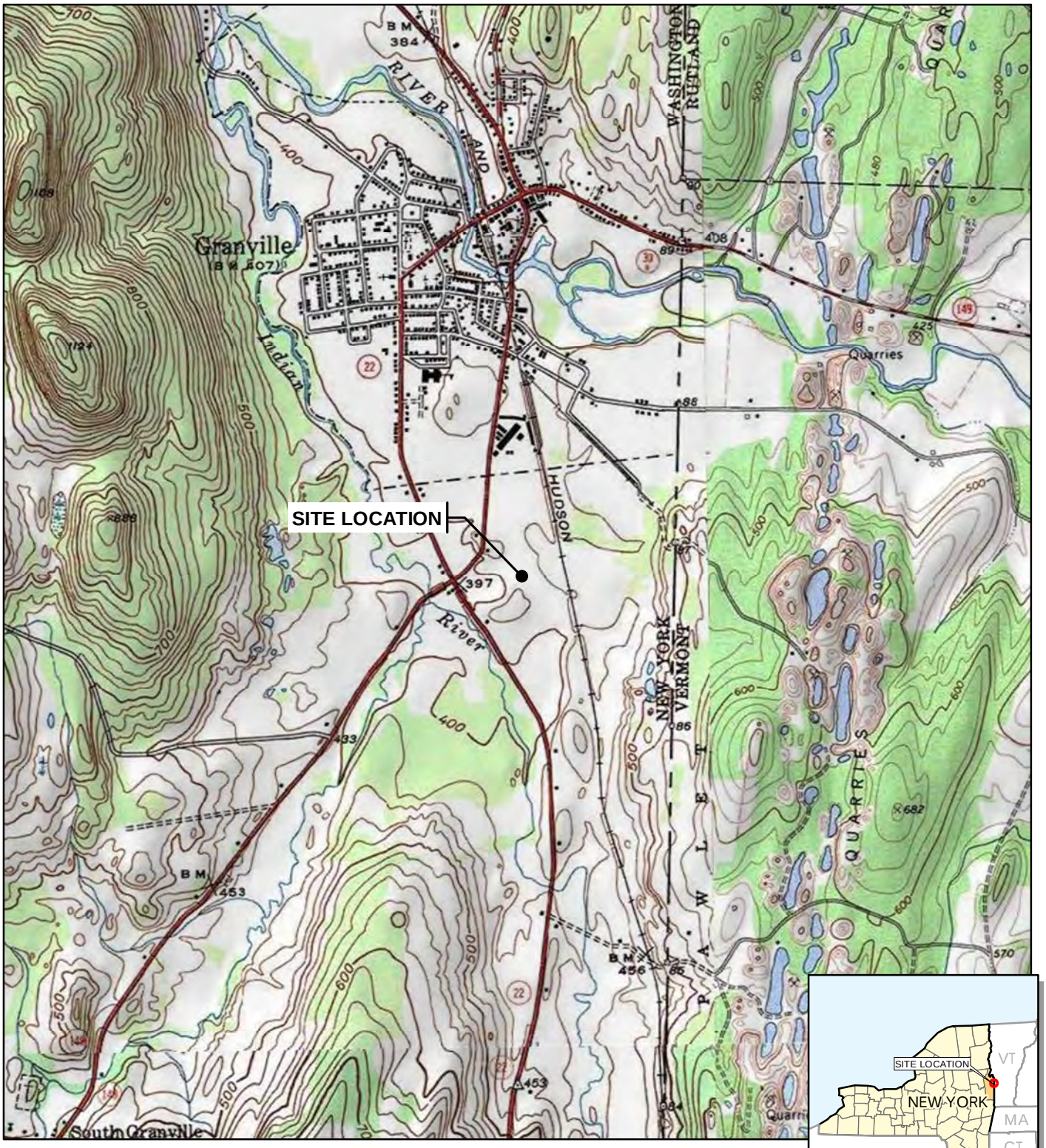
Reviewed by:

Jeffrey LaRock, PG (NY)
Senior Geologist/Project Manager

7.0 REFERENCES

- 6 NYCRR 375, Remedial Program Requirements
- 6 NYCRR 703, Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations
- "Data Usability Summary Reports (DUSR) for the Katzman Recycling Site, NYSDEC Site No. 558035", prepared by TRC Engineers, Inc.
- Geologic Map of New York, Hudson-Mohawk Sheet, New York State Museum and Science Service, 1970
- New York State Department of Environmental Conservation Division of Environmental Remediation-10, Technical and Operational Guidance Series for Site Investigation and Remediation, May 2010
- NYSDEC Division of Environmental Remediation Bureau of Program Management Work Assignment Notice to Proceed dated July 7, 2015
- NYSDOH document titled, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006
- NYSDEC document titled, *Screening and Assessment of Contaminated Sediment*, dated December 2014
- Precision Environmental Services, Inc. documents, NYSDEC Region 5 Files, 2015
- Surficial Geologic Map of New York, Hudson-Mohawk Sheet, New York State Museum, 1987
- TRC Engineers, Inc. Standby Engineering Contract Work Assignment (WA) No. D007620-24, NYSDEC-approved Scope of Work dated November 30, 2015
- USGS document titled, *Contaminants Found in Groundwater*, dated December 2016. Retrieved from https://water.usgs.gov/edu/groundwater-contaminants.html

FIGURES



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000
FEET

TRC

10 Maxwell Drive
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TRC - GIS

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:

SITE LOCATION MAP

DRAWN BY:	B. DEEGAN
CHECKED BY:	M. DOWD
APPROVED BY:	J. LAROCK
DATE:	JANUARY 2018
PROJ. NO.:	240658.0003
FILE:	240658-0003-001slm.mxd

FIGURE 1

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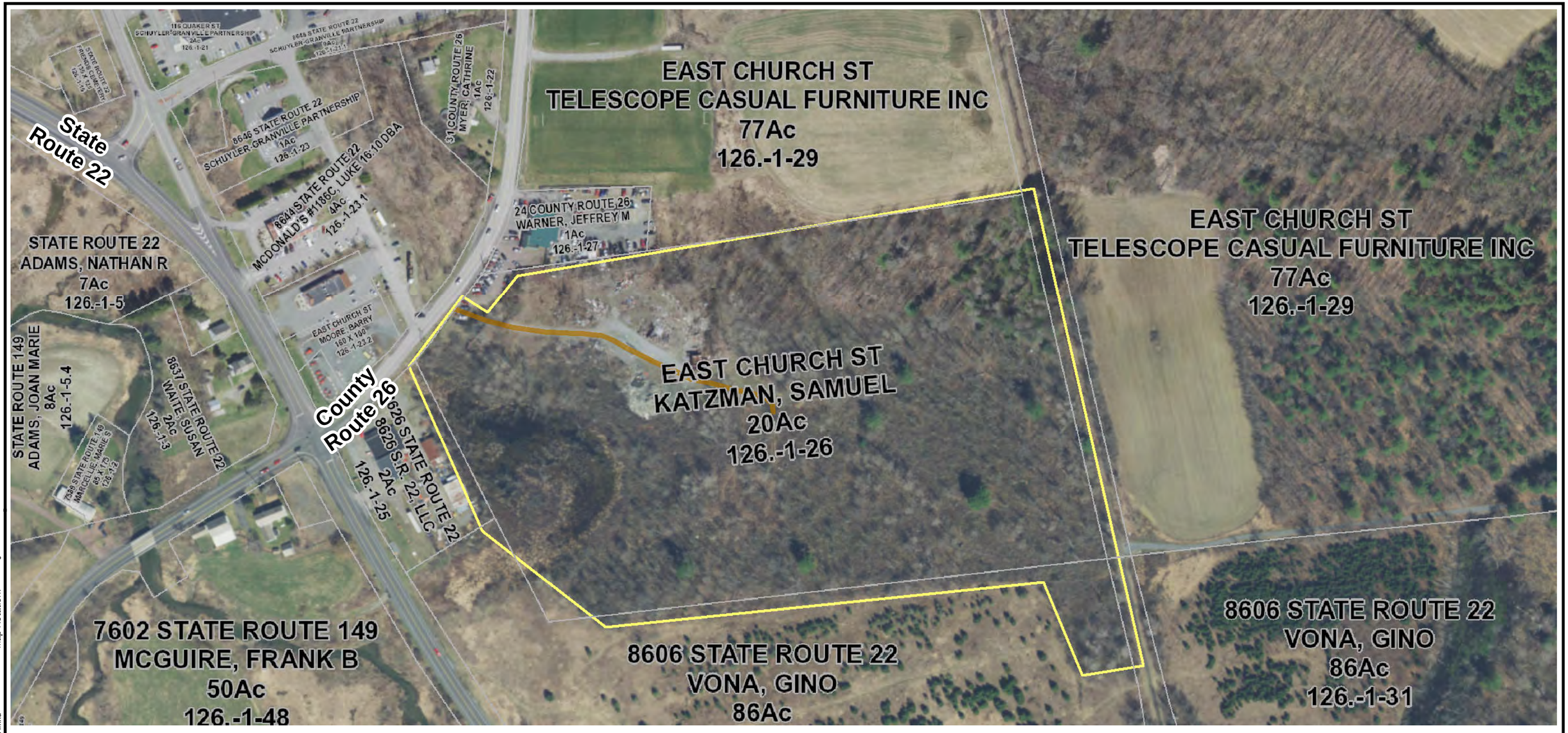

LEGEND

- ACCESS ROAD
- PROJECT AREA
- PARCELS

NOTES

1. BASE MAP IMAGERY FROM ESRI, VERMONT, 2016.
2. PARCELS FROM WASHINGTON COUNTY NEW YORK, GIS WEBMAP.

0 200 400 Feet

1 " = 200 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
PROJECT LIMITS AND VICINITY MAP

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 2
DATE:	DECEMBER 2017		

TRC
10 Maxwell Drive, Suite 200
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Map Rotation: 0

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Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

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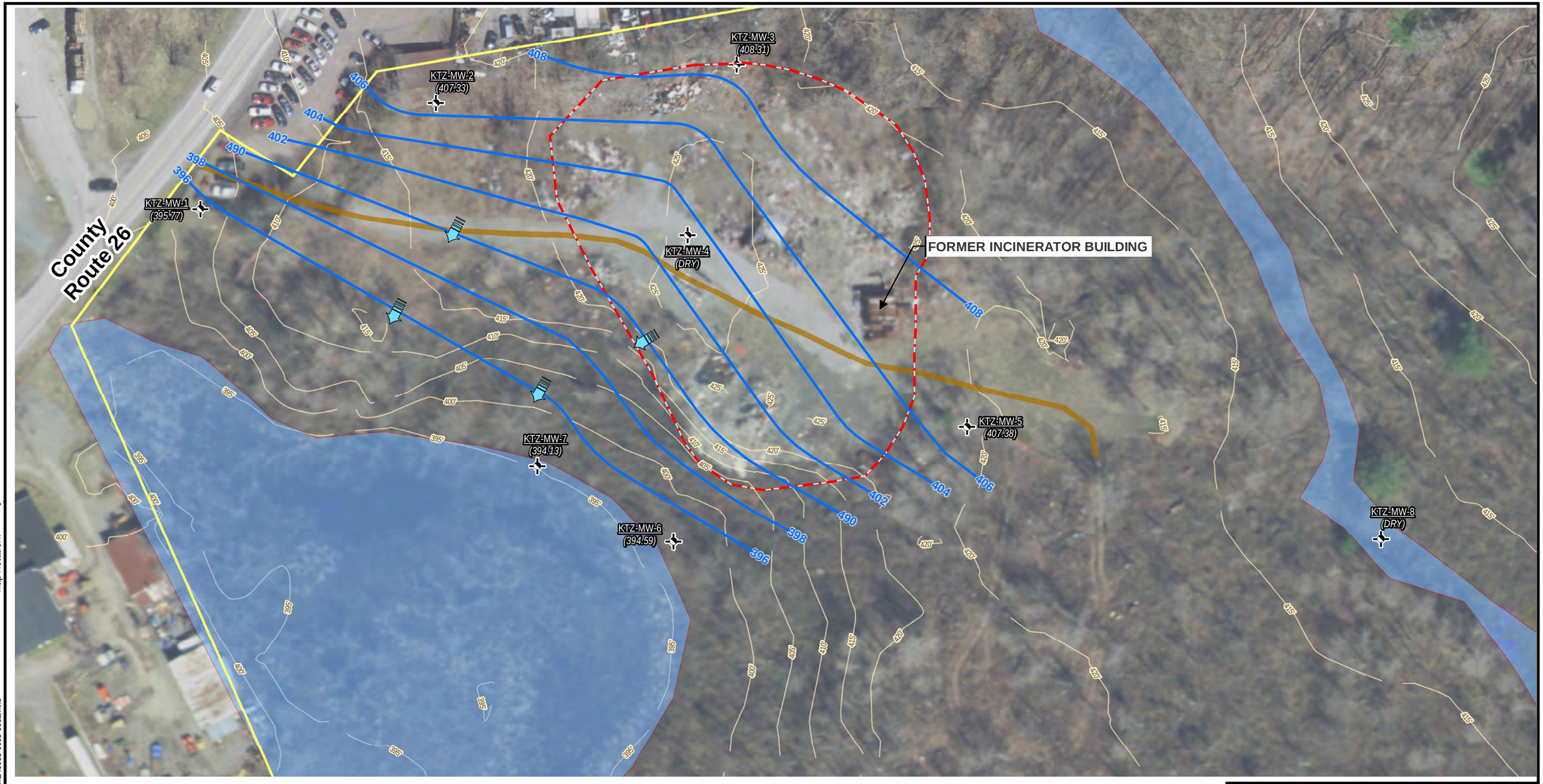

LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER SURFACE ELEVATION CONTOURS (FEET)
- (395.77) GROUNDWATER SURFACE ELEVATION (NAVD 88)
- PROJECT AREA (APPROX)
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- INFERRED DIRECTION OF GROUNDWATER FLOW
- DELINEATED WETLAND
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

NOTES

1. DATUM FOR GROUNDWATER ELEVATIONS IS NAVD88.
2. GROUNDWATER SURFACE ELEVATION MEASUREMENTS COLLECTED ON AUGUST 3, 2016.

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP AUGUST 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 3A**
DATE:	JANUARY 2018		

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FILE NO.: 240658-0003-008a.mxd

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Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

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LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER SURFACE ELEVATION CONTOURS (FEET)
- (395.77) GROUNDWATER SURFACE ELEVATION (NAVD 88)
- ACCESS ROAD
- PROJECT AREA (APPROX)
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- INFERRED DIRECTION OF GROUNDWATER FLOW
- DELINEATED WETLAND
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

NOTES

1. DATUM FOR GROUNDWATER ELEVATIONS IS NAVD88.
2. GROUNDWATER SURFACE ELEVATION MEASUREMENTS COLLECTED ON NOVEMBER 8, 2016.

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO:558035
GRANVILLE, NY 12832

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 3B
DATE:	JANUARY 2018		

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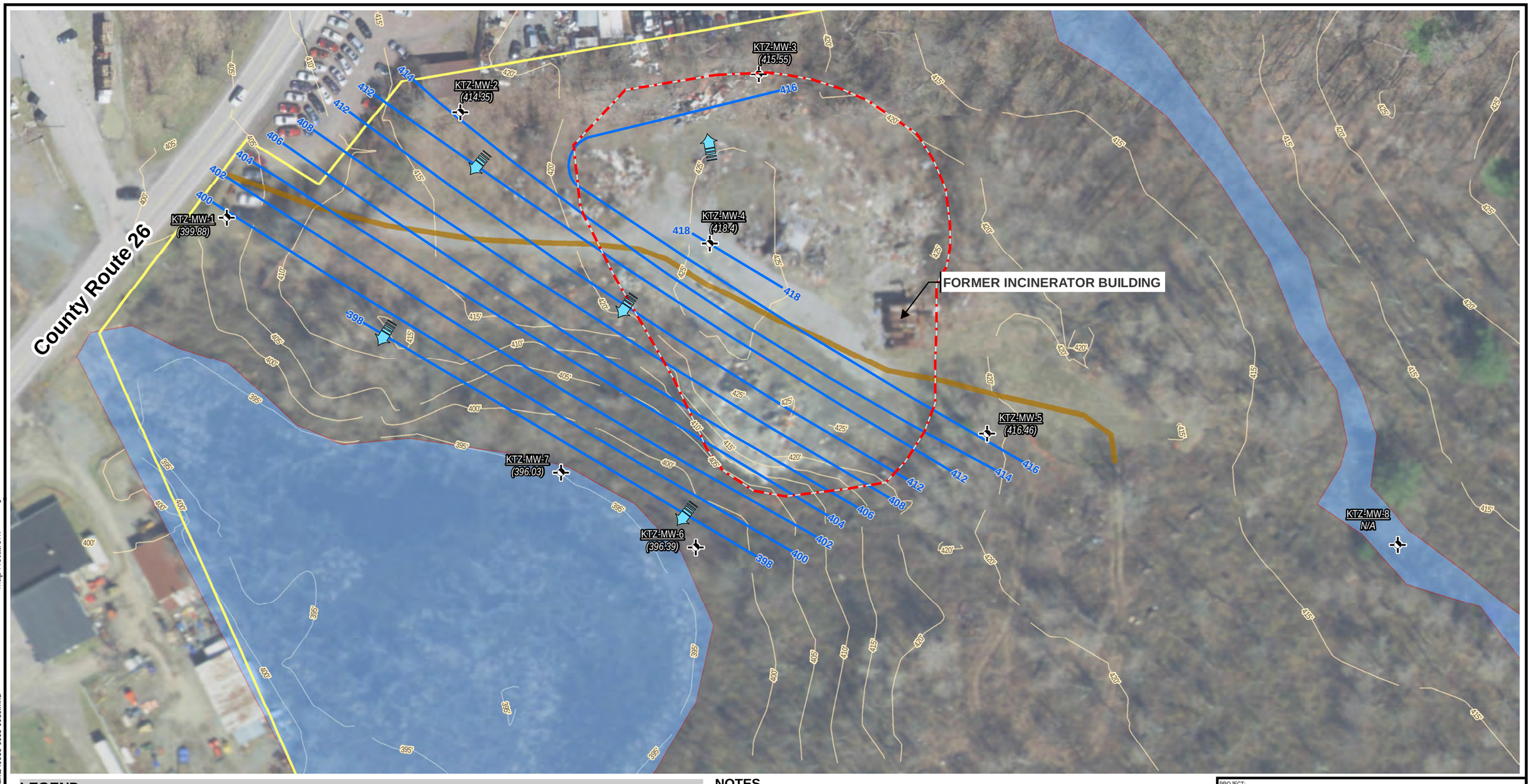
FILE NO.: 240658-0003-008b.mxd



LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER SURFACE ELEVATION CONTOURS (FEET)
- (395.77) GROUNDWATER SURFACE ELEVATION (NAVD 88)
- PROJECT AREA (APPROX)
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- INFERRED DIRECTION OF GROUNDWATER FLOW
- DELINEATED WETLAND
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

NOTES

1. DATUM FOR GROUNDWATER ELEVATIONS IS NAVD88.
2. GROUNDWATER SURFACE ELEVATION MEASUREMENTS COLLECTED ON APRIL 19, 2017.

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP
APRIL 2017

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 3C
DATE:	JANUARY 2018		

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Phone: 518.348.1190
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Map Rotation: 0

TRC - GIS

TRC - GIS

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Map Rotation: 0

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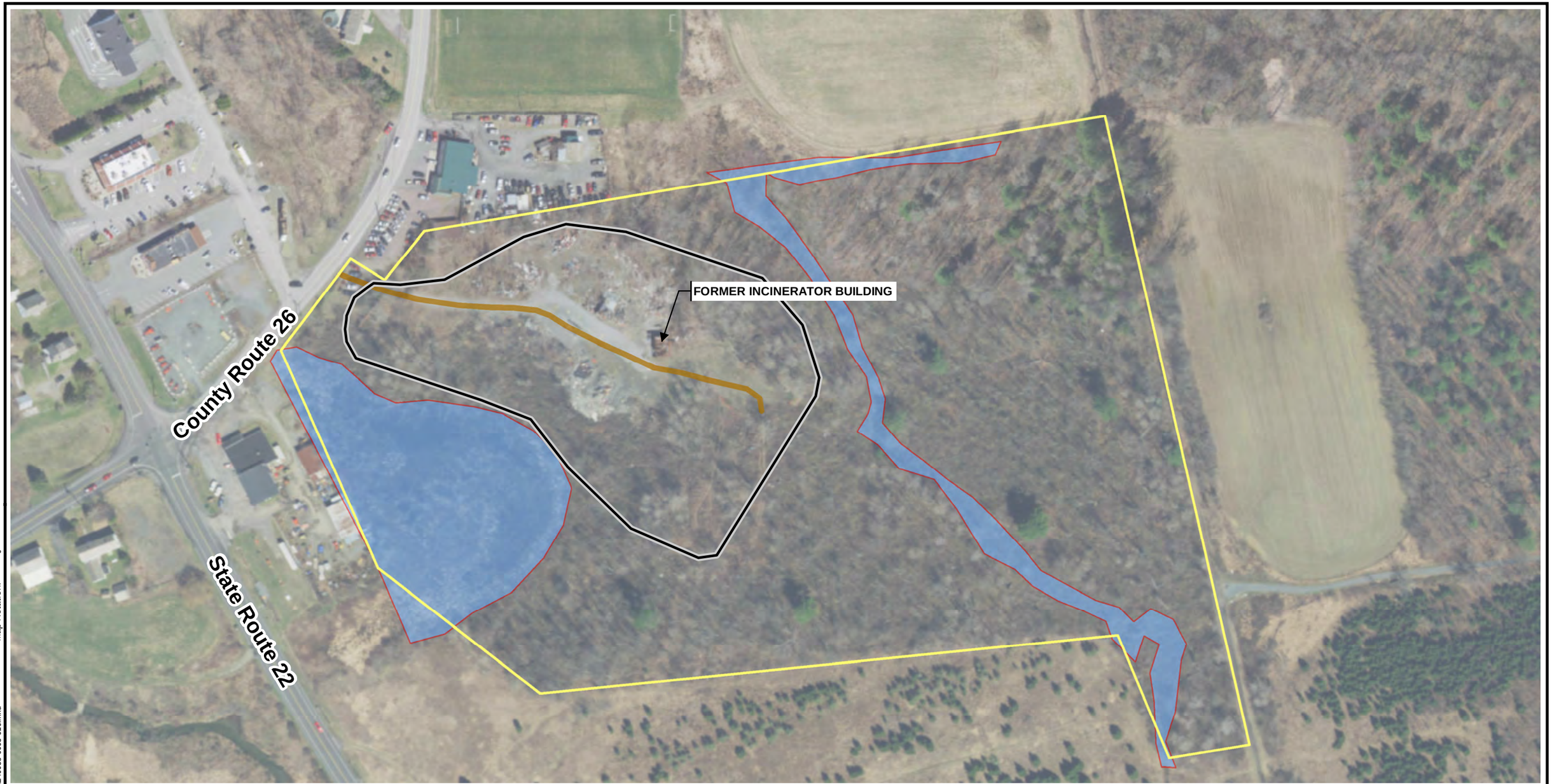

LEGEND

- APPROXIMATE AREA OF CONCERN
- ACCESS ROAD
- PROJECT AREA
- DELINEATED WETLAND

NOTES

1. BASE MAP IMAGERY FROM ESRI, VERMONT, 2016.

N

0 150 300 Feet

1 " = 150 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
APPROXIMATE AREA OF CONCERN

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		
DATE:	JANUARY 2018		

FIGURE 4

TRC
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FILE NO.: 240658-0003-016.mxd

TRC - GIS

Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

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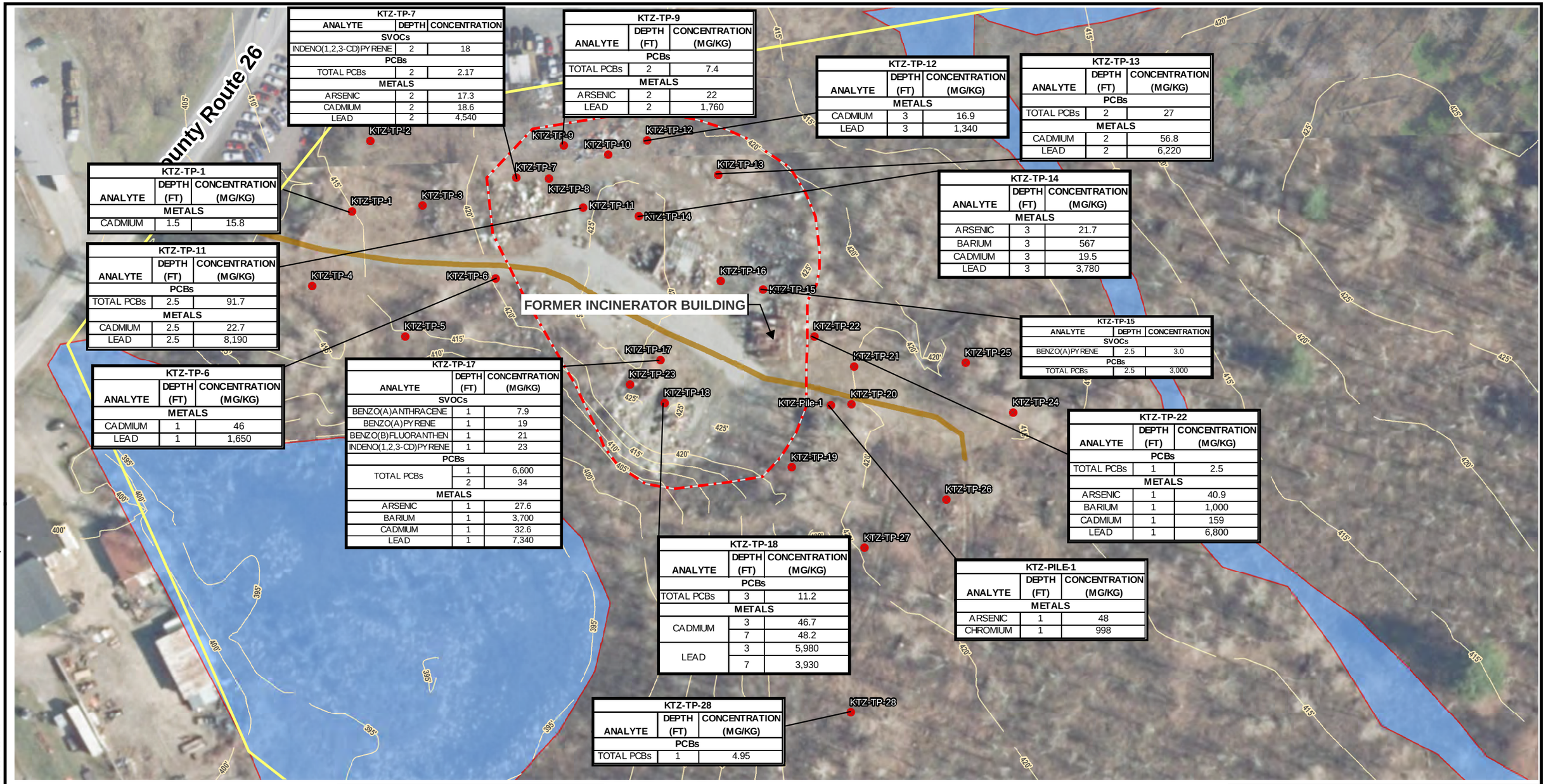

KTZ-TP-1		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
METALS		
CADMIUM	1.5	15.8

KTZ-TP-7		
ANALYTE	DEPTH	CONCENTRATION
SVOCs		
INDENO(1,2,3-CD)PYRENE	2	18
PCBs		
TOTAL PCBs	2	2.17
METALS		
ARSENIC	2	17.3
CADMIUM	2	18.6
LEAD	2	4,540

KTZ-TP-9		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	2	7.4
METALS		
ARSENIC	2	22
LEAD	2	1,760

KTZ-TP-12		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
METALS		
CADMIUM	3	16.9
LEAD	3	1,340

KTZ-TP-13		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	2	27
METALS		
CADMIUM	2	56.8
LEAD	2	6,220

KTZ-TP-14		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
METALS		
ARSENIC	3	21.7
BARIUM	3	567
CADMIUM	3	19.5
LEAD	3	3,780

KTZ-TP-11		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	2.5	91.7
METALS		
CADMIUM	2.5	22.7
LEAD	2.5	8,190

KTZ-TP-15		
ANALYTE	DEPTH	CONCENTRATION
SVOCs		
BENZO(A)PYRENE	2.5	3.0
PCBs		
TOTAL PCBs	2.5	3,000

KTZ-TP-6		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
METALS		
CADMIUM	1	46
LEAD	1	1,650

KTZ-TP-17		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
SVOCs		
BENZO(A)ANTHRACENE	1	7.9
BENZO(A)PYRENE	1	19
BENZO(B)FLUORANTHEN	1	21
INDENO(1,2,3-CD)PYRENE	1	23
PCBs		
TOTAL PCBs	1	6,600
	2	34
METALS		
ARSENIC	1	27.6
BARIUM	1	3,700
CADMIUM	1	32.6
LEAD	1	7,340

KTZ-TP-22		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	1	2.5
METALS		
ARSENIC	1	40.9
BARIUM	1	1,000
CADMIUM	1	159
LEAD	1	6,800

KTZ-TP-18		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	3	11.2
METALS		
CADMIUM	3	46.7
	7	48.2
LEAD	3	5,980
	7	3,930

KTZ-PILE-1		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
METALS		
ARSENIC	1	48
CHROMIUM	1	998

KTZ-TP-28		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	1	4.95

LEGEND

- TEST PIT SOIL SAMPLING LOCATION
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- PROJECT AREA
- DELINEATED WETLAND
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC SOIL CLEANUP OBJECTIVES (SCOs)		
ANALYTE	UNRESTRICTED USE SCO (MG/KG)	COMMERCIAL USE SCO (MG/KG)
SVOCs		
BENZO(A)PYRENE	1	1
BENZO(A)ANTHRACENE	1	5.6
BENZO(B)FLUORANTHENE	1	5.6
INDENO(1,2,3-CD)PYRENE	0.5	5.6
PCBs		
TOTAL PCBs	0.1	1/10
METALS		
ARSENIC	13	16
BARIUM	350	400
CADMIUM	2.5	9.3
CHROMIUM	1	400
LEAD	63	1,000

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS NYSDEC COMMERCIAL USE SOIL CLEANUP OBJECTIVES (SCOs).
3. AT TEST PIT LOCATIONS WITHOUT ANALYTICAL RESULTS, NO CONCENTRATIONS EXCEED COMMERCIAL USE SCO, FOR VOCs, SVOCs, PCBs, OR RCRA 8 METALS WITH THE EXCEPTION OF KTZ-TP-2, KTZ-TP-4, KTZ-TP-8, KTZ-TP-10, AND KTZ-TP-20, SINCE NO SAMPLES WERE COLLECTED AT THESE LOCATIONS.
4. NOTE THAT SOIL SAMPLES KTZ-TP-14 (2') AND KTZ-TP-18 (3') WERE ANALYZED FOR HERBICIDES AND PESTICIDES.
5. MG/KG - MILLIGRAM PER KILOGRAM
6. FT – FEET
7. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 1A THROUGH 1C INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
8. THE NYSDEC COMMERCIAL USE SCO FOR PCBs IS 1 MG/KG FOR SURFACE SOILS, 10 MG/KG FOR SOILS AT DEPTH.

N

0 40 80 Feet

1 " = 80 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
TEST PIT SOIL SAMPLING ANALYTICAL SUMMARY & SELECT ANALYTICAL RESULTS JANUARY 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 5
DATE:	JULY 2018		

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FILE NO.: 240658-0003-009.mxd

TRC - GIS

KTZ-SS-27	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	1.22

KTZ-SS-12	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	32.4
METALS	
ARSENIC	20.2
CADMIUM	17
LEAD	5,170

KTZ-SS-13	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	3.1*
METALS	
BARIUM	894
CADMIUM	68.5
LEAD	2,050

KTZ-SS-1	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	4.0
METALS	
ARSENIC	19.5
CADMIUM	30.7
LEAD	2,340
MERCURY	3.9

KTZ-SS-11	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	1.51
METALS	
ARSENIC	39

KTZ-SS-BLDG FLOOR	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	1.38
METALS	
CADMIUM	30

KTZ-SS-2	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	2.18

KTZ-SS-16	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	2.0

KTZ-SS-5	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	4.5

KTZ-SS-14	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	6.8
METALS	
ARSENIC	17.7
BARIUM	892
CADMIUM	14.5
LEAD	5,220

State Route 22

County Route 26

FORMER INCINERATOR BUILDING

KTZ-SS-1, KTZ-SS-2, KTZ-SS-3, KTZ-SS-4, KTZ-SS-5, KTZ-SS-6, KTZ-SS-7, KTZ-SS-8, KTZ-SS-9, KTZ-SS-10, KTZ-SS-11, KTZ-SS-12, KTZ-SS-13, KTZ-SS-14, KTZ-SS-15, KTZ-SS-16, KTZ-SS-17, KTZ-SS-18, KTZ-SS-19, KTZ-SS-20, KTZ-SS-21, KTZ-SS-22, KTZ-SS-23, KTZ-SS-24, KTZ-SS-25, KTZ-SS-26, KTZ-SS-27, KTZ-SS-28, KTZ-SS-31, KTZ-SS-BLDG-FLOOR

LEGEND

- SURFACE SOIL SAMPLING LOCATION
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- ACCESS ROAD
- PROJECT AREA (APPROX)
- DELINEATED WETLANDS
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC SOIL CLEANUP OBJECTIVES (SCOS)		
ANALYTE	UNRESTRICTED USE SCO (MG/KG)	COMMERCIAL USE SCO (MG/KG)
PCBs		
TOTAL PCBs	0.1	1
METALS		
ARSENIC	13	16
BARIUM	350	400
CADMIUM	2.5	9.3
LEAD	63	1,000
MERCURY	0.18	2.8

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS THE NYSDEC COMMERCIAL USE SOIL CLEANUP OBJECTIVES (SCOs).
3. SURFACE SOIL SAMPLING LOCATIONS WITHOUT ANALYTICAL RESULTS HAD NO CONCENTRATIONS EXCEEDING NYSDEC COMMERCIAL USE SCOs FOR VOCs, SVOCs, PCBs OR RCRA 8 METALS.
4. MG/KG – MILLIGRAMS PER KILOGRAM
5. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 2A THROUGH 2C INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
6. *-PCBs AT LOCATION KTZ-SS-13 WERE NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT (RL), HOWEVER THE RL EXCEEDED COMMERCIAL USE SCOs.

N

0 150 300 Feet

1 " = 150 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
SURFACE SOIL SAMPLING LOCATION MAP & SELECT ANALYTICAL RESULTS APRIL 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 6
DATE:	JANUARY 2018		

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FILE NO.: 240658-0003-014.mxd

Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

Plot Date: 1/11/2018, 09:20:32 AM by SMAJOR -- LAYOUT: ANSI B(11"x17")
Path: D:\PROJECTS\AUGUSTA\RMD\240658_Katzman\240658-0003-014.mxd

TRC - GIS

Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

Plot Date: 4/12/2018, 14:10:19 PM by BDEEGAN – LAYOUT: ANSI B (11"X17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-012.mxd

County Route 26

State Route 22

FORMER INCINERATOR BUILDING

KTZ-SW/SD-1
KTZ-SW/SD-2
KTZ-SW/SD-3
KTZ-SW/SD-4
KTZ-SW/SD-5
KTZ-SD-6
KTZ-SD-7
KTZ-SD-8

KTZ-SW-1	
ANALYTE	CONCENTRATION (UG/L)
PESTICIDES	
4,4'-DDD	0.0092
DELTA-BHC	0.013
METALS	
IRON	470
DIOXINS	
2,3,7,8-TCDD EQUIVALENT	0.069

KTZ-SW-2	
ANALYTE	CONCENTRATION (UG/L)
METALS	
IRON	420

KTZ-SW-3	
ANALYTE	CONCENTRATION (UG/L)
METALS	
IRON	330
DIOXINS	
2,3,7,8-TCDD EQUIVALENT	0.107

KTZ-SW-5	
ANALYTE	CONCENTRATION (UG/L)
PESTICIDES	
4,4'-DDD	0.013
BETA-BHC	0.054
DELTA-BHC	0.015
METHOXYCHLOR	0.046
METALS	
IRON	300

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS NYSDEC CLASS GA VALUE.
3. SURFACE WATER SAMPLING LOCATIONS WITHOUT ANALYTICAL RESULTS SHOWN HAD NO CONCENTRATIONS EXCEEDING THE CLASS A (A), A (C), H(FC), AND W VALUES FOR VOCs, SVOCs, PCBs, or RCRA 8 METALS. NOTE KTZ-SW-1, 3, AND KTZ-SW-5 WERE SAMPLED FOR VOCS, PESTICIDES, ANDDIOXINS ONLY. KTZ-SW-1 THROUGH 5 WERE SAMPLED FOR VOCS, SVOCS, PCBS, METALS, PESTICIDES, AND DIOXINS.
4. UG/L – MICROGRAMS PER LITER
5. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 3A THROUGH 3E INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
6. NS – NO NYSDEC STANDARD EXISTS FOR THIS ANALYTE

LEGEND

- SEDIMENT ONLY SAMPLING LOCATIONS
- SURFACE WATER/SEDIMENT SAMPLING LOCATION
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- ACCESS ROAD
- PROJECT AREA (APPROX)
- DELINEATED WETLANDS
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC GUIDANCE VALUES				
ANALYTE	CLASS A(A) VALUE (UG/L)	CLASS A(C) VALUE (UG/L)	CLASS H(FC) VALUE (UG/L)	CLASS W VALUE (UG/L)
PESTICIDES				
4,4'-DDD	NS	NS	0.00008	0.000011
BETA-BHC	NS	NS	0.007	NS
DELTA-BHC	NS	NS	0.008	NS
METHOXYCHLOR	NS	0.03	NS	NS
METALS				
IRON	NS	300	NS	NS
DIOXINS				
2,3,7,8-TCDD EQUIVALENT	NS	NS	0.0006	NS

N

0 80 160 Feet

1 " = 80 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
SURFACE WATER SAMPLING LOCATION MAP & SELECT ANALYTICAL RESULTS APRIL 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 7
DATE:	APRIL 2018		

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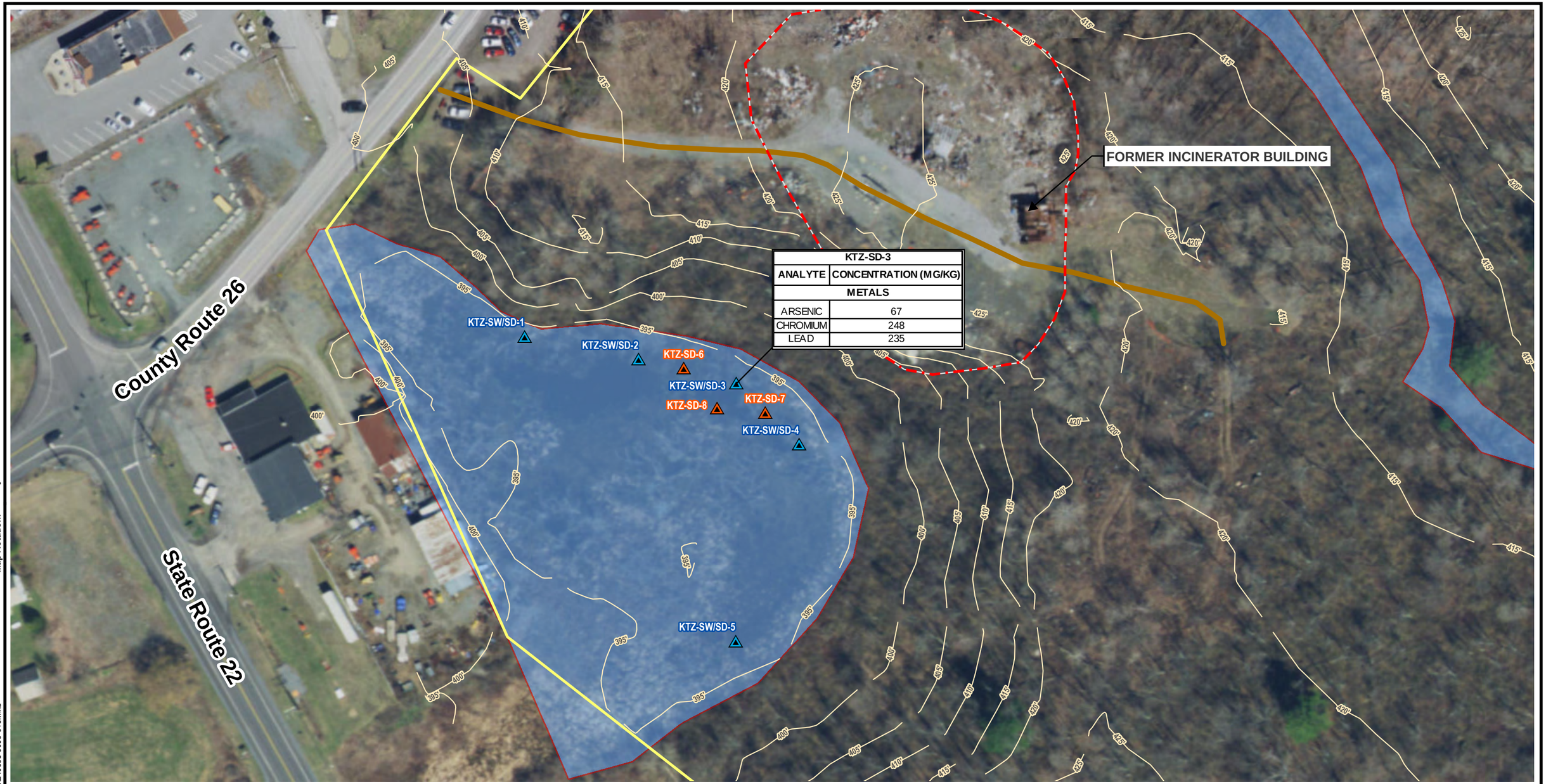

LEGEND

- SEDIMENT ONLY SAMPLING LOCATION
- SURFACE WATER/SEDIMENT SAMPLING LOCATION
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- ACCESS ROAD
- PROJECT AREA (APPROX)
- DELINEATED WETLANDS
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC GUIDANCE VALUES	
ANALYTE	CLASS C SGV (MG/KG)
METALS	
ARSENIC	33
CHROMIUM	110
LEAD	130

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS NYSDEC CLASS C SEDIMENT GUIDANCE VALUES (SGVs).
3. SEDIMENT SAMPLING LOCATIONS WITHOUT ANALYTICAL HAD NO CONCENTRATIONS EXCEEDING THE NYSDEC CLASS C SGVs.
4. NOTE THAT SEDIMENT SAMPLES KTZ-SD-1, 3, AND 5 WERE SAMPLED FOR VOCs AND PESTICIDES ONLY. SEDIMENT SAMPLES KTZ-SD-1 THROUGH 8 WERE SAMPLED FOR VOCs, SVOCs, PCBs, METALS, PESTICIDES, AND DIOXINS.
5. UG/L – MICROGRAMS PER LITER
6. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 4A THROUGH 4D INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.

N

0 80 160 Feet

1 " = 80 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
SEDIMENT SAMPLING LOCATION MAP & SELECT ANALYTICAL RESULTS APRIL & JUNE 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 8**
DATE:	JANUARY 2018		

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Map Rotation: 0
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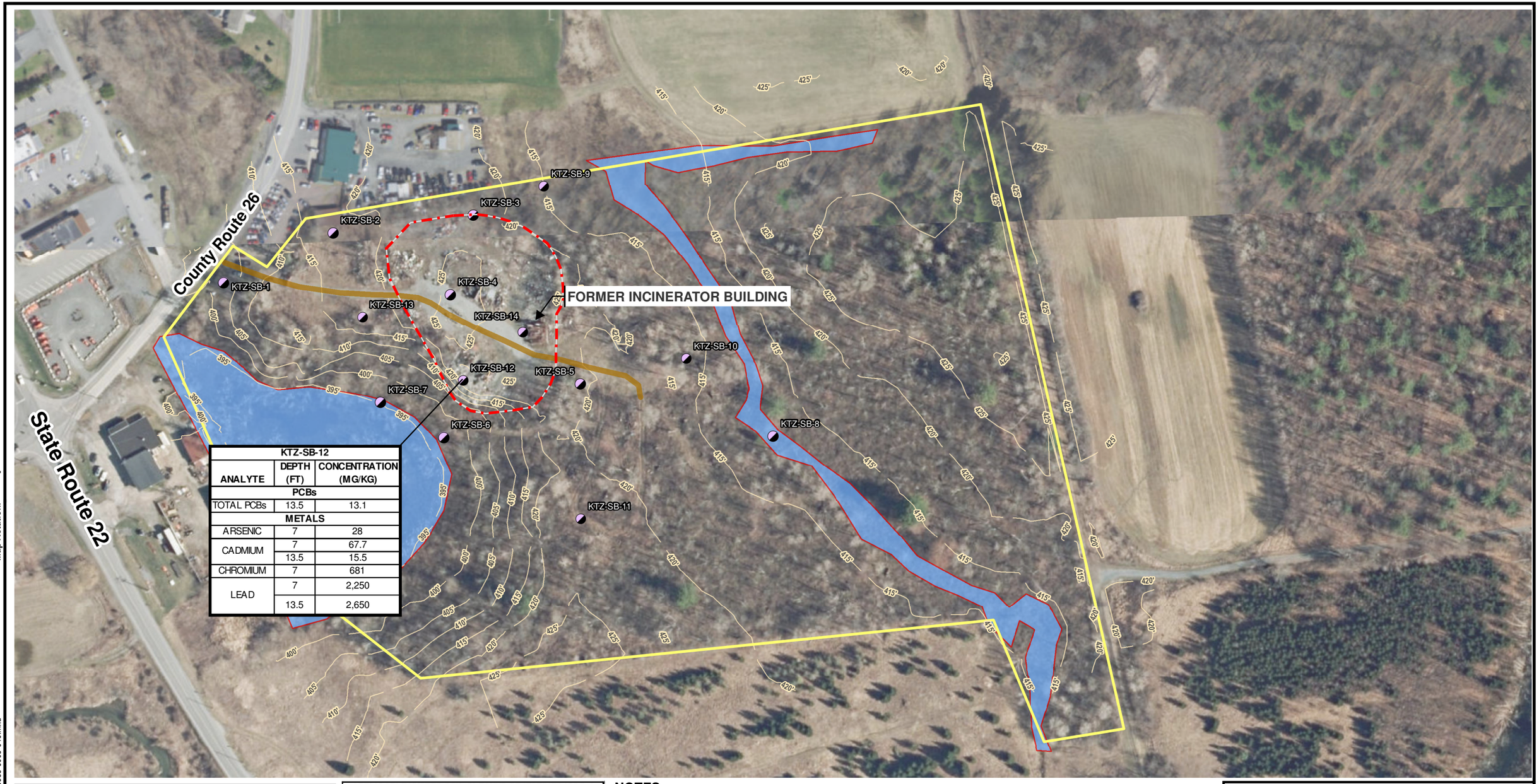

KTZ-SB-12		
ANALYTE	DEPTH (FT)	CONCENTRATION (MG/KG)
PCBs		
TOTAL PCBs	13.5	13.1
METALS		
ARSENIC	7	28
CADMIUM	7	67.7
	13.5	15.5
CHROMIUM	7	681
LEAD	7	2,250
	13.5	2,650

LEGEND

- DIRECT PUSH SOIL SAMPLING LOCATION
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- PROJECT AREA
- DELINEATED
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC SOIL CLEANUP OBJECTIVES (SCOs)		
ANALYTE	UNRESTRICTED USE SCO (MG/KG)	COMMERCIAL USE SCO (MG/KG)
PCBs		
TOTAL PCBs	0.1	1/10
METALS		
ARSENIC	13	16
CADMIUM	2.5	9.3
CALCIUM	NS	NS
CHROMIUM	1	400
LEAD	63	1,000

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS THE NYSDEC COMMERCIAL USE SOIL CLEANUP OBJECTIVES (SCOs).
3. SAMPLES FROM DIRECT PUSH SOIL BORING LOCATIONS KTZ-SB-2, KTZ-SB-5, KTZ-SB-7, AND KTZ-SB-9 THROUGH KTZ-SB-14 WERE NOT ANALYZED FOR VOCs, SVOCs, PESTICIDES, OR HERBICIDES.
4. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 5A THROUGH 5D INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
5. MG/KG – MILLIGRAMS PER KILOGRAM
6. FT – FEET
7. THE NYSDEC COMMERCIAL USE SCO FOR PCBs IS 1 MG/KG FOR SURFACE SOILS, 10 MG/KG FOR SOILS AT DEPTH.

N

0 150 300 Feet

1 " = 150 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
DIRECT PUSH SOIL SAMPLING LOCATION MAP & SELECT ANALYTICAL RESULTS JULY 2016

DRAWN BY:	B DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 9**
DATE:	AUGUST 2018		

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Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-010.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

TRC - GIS

KTZ-MW-3	
ANALYTE	CONCENTRATION (UG/L)
AUGUST 4, 2016	
PCBs	
TOTAL PCBs	2.7

KTZ-MW-4	
ANALYTE	CONCENTRATION (UG/L)
APRIL 20, 2017	
VOCs	
1,3-DICHLOROBENZENE	8.8
1,4-DICHLOROBENZENE	28
BENZENE	5.0
CHLOROBENZENE	310
TOTAL XYLENES	5.2

KTZ-MW-5	
ANALYTE	CONCENTRATION (UG/L)
AUGUST 3, 2016	
VOCs	
1,2,4-TRICHLOROBENZENE	12

LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- PROJECT AREA (APPROX)
- DELINEATED WETLAND
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

APPLICABLE NYSDEC GUIDANCE VALUES	
ANALYTE	CLASS GA VALUE (UG/L)
VOCs	
1,2,4-TRICHLOROBENZENE	5
1,3-DICHLOROBENZENE	3
1,4-DICHLOROBENZENE	3
BENZENE	1
CHLOROBENZENE	5
TOTAL XYLENES	5
PCBs	
TOTAL PCBs	0.09

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016.
2. ANALYTICAL DATA SHOWN EXCEEDS NYSDEC CLASS GA VALUES.
3. MONITORING WELL SAMPLING LOCATIONS WITHOUT ANALYTICAL RESULTS HAD NO CONCENTRATIONS EXCEEDING CLASS GA VALUES FOR VOCs, SVOCs, PCBs OR RCRA 8 METALS.
4. UG/L – MICROGRAMS PER LITER
5. NO STANDARD OR GUIDANCE VALUE FOR TOTAL XYLENES. THE STANDARD FOR O-XYLENE, M-XYLENE, AND P-XYLENE IS 5 UG/L.
6. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLES 6A THROUGH 6E INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.

0 150 300 Feet

1 " = 150 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
GROUNDWATER SAMPLING LOCATION MAP
& SELECT ANALYTICAL RESULTS
AUGUST 2016 & APRIL 2017

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 10
DATE:	JANUARY 2018		

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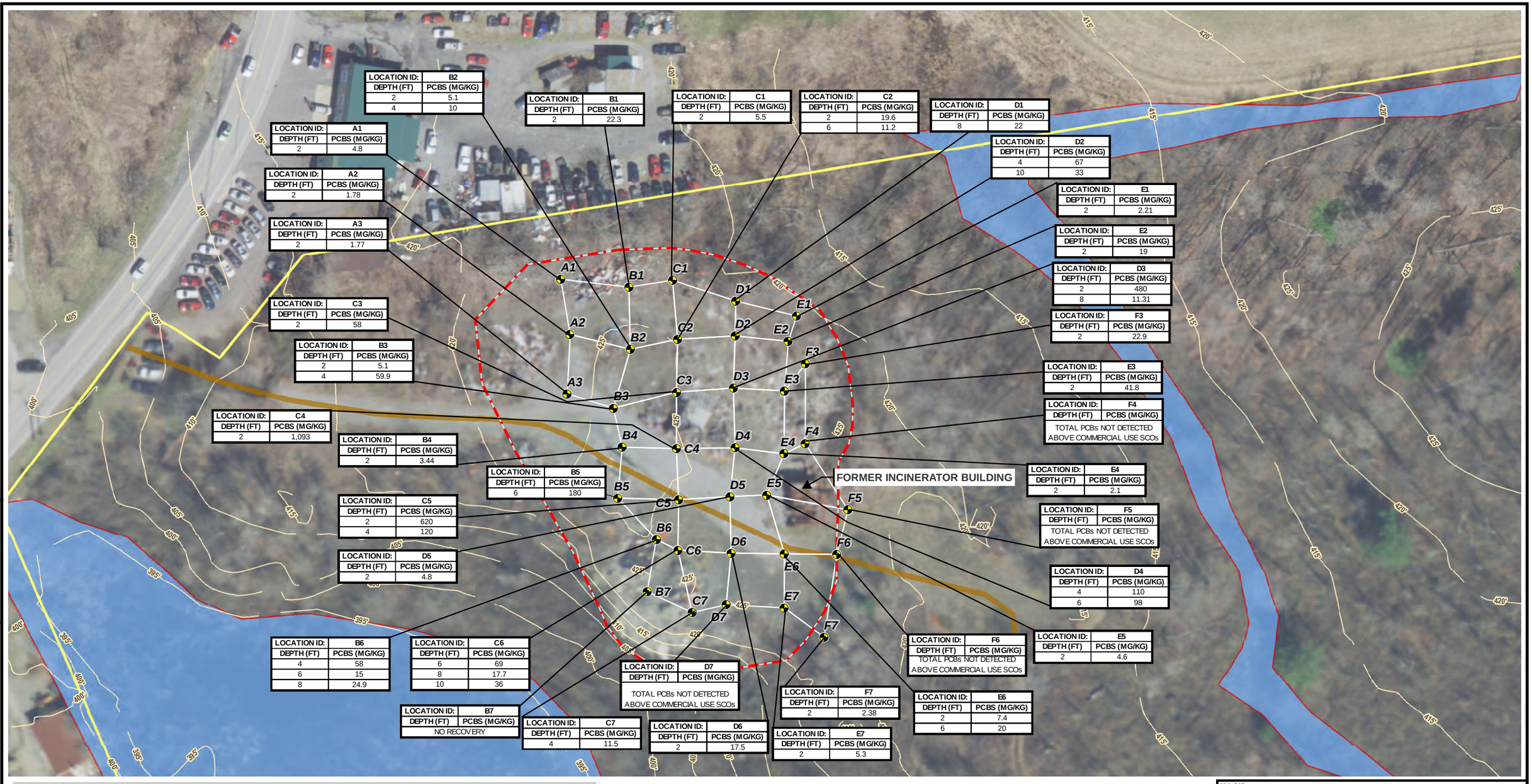
Plot Date: 1/11/2018, 10:02:14 AM by SMAJOR -- LAYOUT: ANSI B(11"x17")
Path: D:\PROJECTS\AUGUSTAIRMD\240658_Katzman\240658-0003-011.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

TRC - GIS



LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT
- PROJECT AREA
- ACCESS ROAD
- DELINEATED WETLAND
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- SAMPLING GRID
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA

PCB DATA

LOCATION ID:	C4
DEPTH (FT)	PCBS (MG/KG)
2	1,093
6	6.5
8	6.1
10	1.94

PCBs-POLYCHLORINATED BIPHENYLS
MG/KG-MILLIGRAMS PER KILOGRAM
FT-FEET
SCO-SOIL CLEANUP OBJECTIVE

NOTES

1. BASE MAP IMAGERY FROM ESRI/VERMONT, 2016
2. ANALYTICAL RESULTS SHOWN EXCEED NYSDEC COMMERCIAL USE SCO FOR PCBs (1.0 MG/KG FOR SURFACE SOILS, 10 MG/KG FOR SOILS AT DEPTH).
3. CORRESPONDING ANALYTICAL QUALIFIERS ARE SHOWN ON TABLE 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO:558035
GRANVILLE, NY 12832

TITLE: SUPPLEMENTAL SOIL PCB INVESTIGATION ANALYTICAL SUMMARY NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		FIGURE 11
DATE:	JULY 2018		

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FILE NO.: 240658-0003-015a.mxd

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
Map Rotation: 0
Plot Date: 7/20/2018, 09:37:21 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-015a.mxd

TRC - GIS

TRC - GIS

KTZ-SS-27	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	1.22

KTZ-SS-1	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	4.0

KTZ-SS-2	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	2.18

KTZ-SS-5	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	4.5

KTZ-SS-16	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	2.0

KTZ-TP-28	
ANALYTE	CONCENTRATION (MG/KG)
PCBs	
TOTAL PCBs	4.95

FORMER INCINERATOR BUILDING

County Route 10

State Route 22

LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT - NO RECOVERY
- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING
- SOIL BORING LOCATION - JULY 2016 SAMPLING
- SURFACE SOIL SAMPLING LOCATION
- TEST PIT SOIL SAMPLING LOCATION
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- APPROXIMATE AREA OF PCB CONCENTRATIONS THAT EXCEED COMMERCIAL USE SCO (1.0 MG/KG)
- SAMPLE GRID
- PROJECT AREA
- DELINEATED WETLAND

NOTES

1. BASE MAP IMAGERY FROM ESRI.VERMONT, 2016.
2. AREAS THAT ARE NOT SHADED DID NOT EXHIBIT PCB CONCENTRATIONS GREATER THAN THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO), WITH THE EXCEPTION OF SAMPLES WHERE THERE WAS NO RECOVERY AS IDENTIFIED.
3. MG/KG – MILLIGRAMS PER KILOGRAM
4. ANALYTICAL RESULTS SHOWN EXCEED NYSDEC COMMERCIAL USE SCO FOR PCBs (1.0 MG/KG)
5. CORRESPONDING ANALYTICAL DATA AND ASSOCIATED QUALIFIERS ARE SHOWN ON TABLES 1C.2C, 5C, AND 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION.
6. ALL SAMPLING LOCATIONS SHOWN ON THIS FIGURE WERE SAMPLED WITHIN THE 0-2' BGS INTERVAL.

N

0 100 200 Feet

1 " = 100 '

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:

PCBs IN SOIL @ 0-2' BGS
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 12A**
DATE:	JANUARY 2018		

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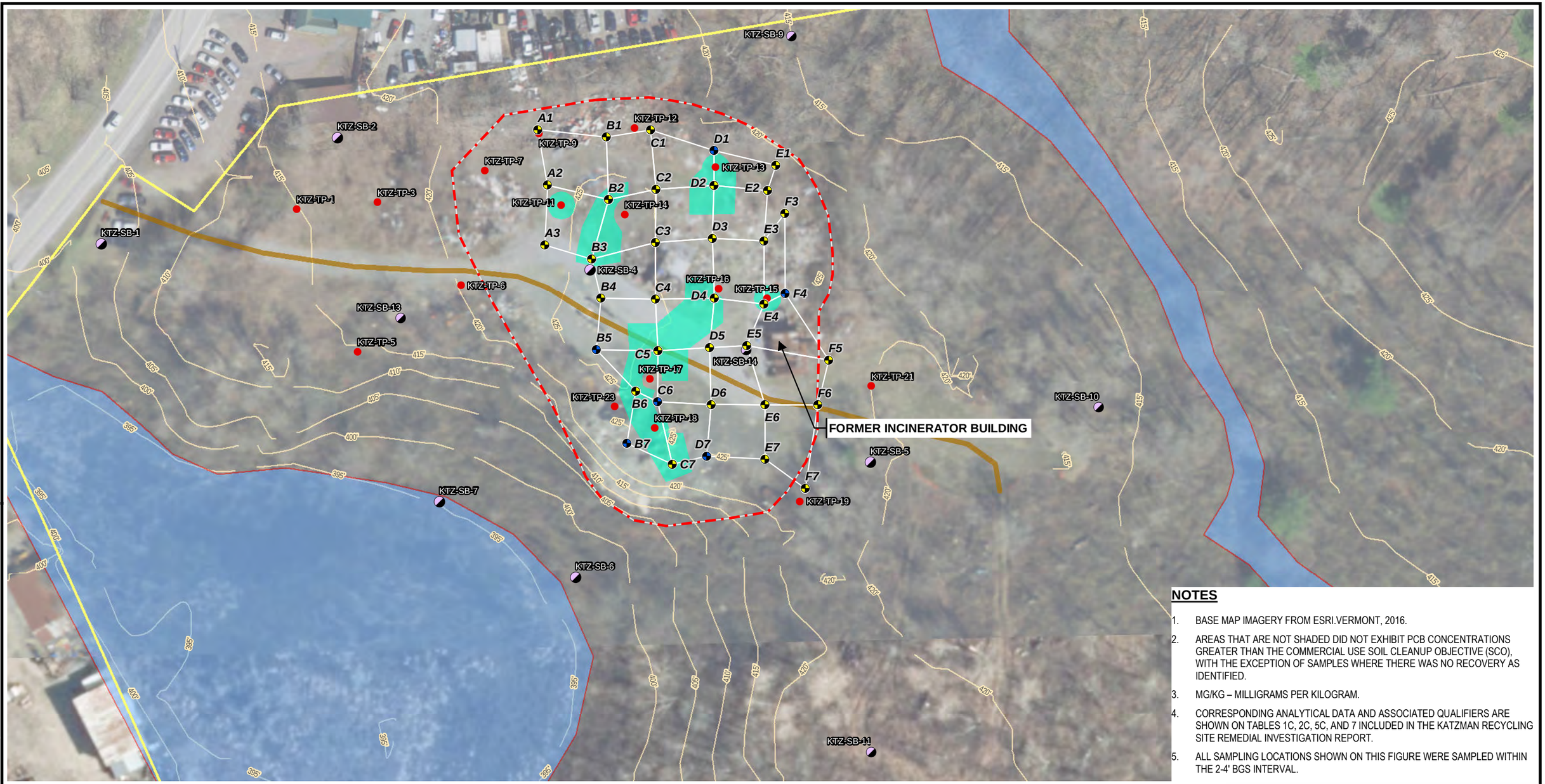

NOTES

1. BASE MAP IMAGERY FROM ESRI.VERMONT, 2016.
2. AREAS THAT ARE NOT SHADED DID NOT EXHIBIT PCB CONCENTRATIONS GREATER THAN THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO), WITH THE EXCEPTION OF SAMPLES WHERE THERE WAS NO RECOVERY AS IDENTIFIED.
3. MG/KG – MILLIGRAMS PER KILOGRAM.
4. CORRESPONDING ANALYTICAL DATA AND ASSOCIATED QUALIFIERS ARE SHOWN ON TABLES 1C, 2C, 5C, AND 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
5. ALL SAMPLING LOCATIONS SHOWN ON THIS FIGURE WERE SAMPLED WITHIN THE 2-4' BGS INTERVAL.

LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT - NO RECOVERY
- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT
- SOIL BORING LOCATION - JULY 2016 SAMPLING
- TEST PIT SOIL SAMPLING LOCATION
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- APPROXIMATE AREA OF PCB CONCENTRATIONS THAT EXCEED COMMERICAL USE SCO (10.0 MG/KG) FOR SOILS >1' BGS
- SAMPLE GRID
- PROJECT AREA
- DELINEATED WETLAND

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
PCBs IN SOIL @ 2-4' BGS
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 12B**
DATE:	APRIL 2018		

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10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.371.0780
www.trcsolutions.com

FILE NO.: 240658-0003-015g.mxd

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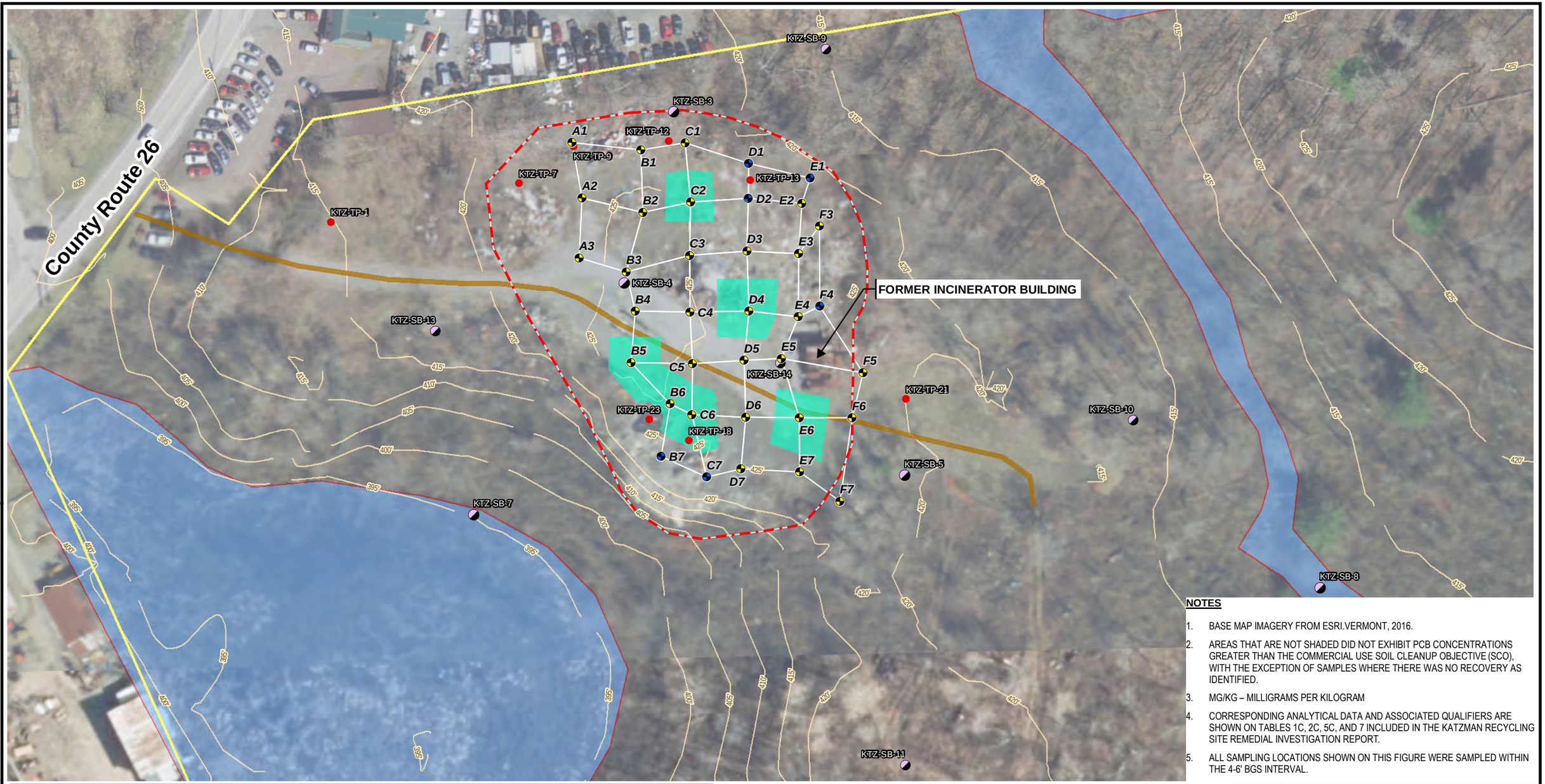
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0
Plot Date: 4/20/2018, 08:02:32 AM by BDEEGAN – LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-015g.mxd

TRC - GIS

Plot Date: 4/20/2018, 08:05:05 AM by BDEEGAN -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-015j.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0



NOTES

1. BASE MAP IMAGERY FROM ESRI.VERMONT, 2016.
2. AREAS THAT ARE NOT SHADED DID NOT EXHIBIT PCB CONCENTRATIONS GREATER THAN THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO), WITH THE EXCEPTION OF SAMPLES WHERE THERE WAS NO RECOVERY AS IDENTIFIED.
3. MG/KG – MILLIGRAMS PER KILOGRAM
4. CORRESPONDING ANALYTICAL DATA AND ASSOCIATED QUALIFIERS ARE SHOWN ON TABLES 1C, 2C, 5C, AND 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
5. ALL SAMPLING LOCATIONS SHOWN ON THIS FIGURE WERE SAMPLED WITHIN THE 4-6' BGS INTERVAL.

LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT - NO RECOVERY
- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT
- SOIL BORING LOCATION - JULY 2016 SAMPLING
- TEST PIT SOIL SAMPLING LOCATION
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- APPROXIMATE AREA OF PCB CONCENTRATIONS THAT EXCEED COMMERICAL USE SCO (10.0 MG/KG) FOR SOILS >1' BGS
- SAMPLE GRID
- PROJECT AREA
- DELINEATED WETLAND

N

0 70 140 Feet

1 " = 70 '

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:

PCBs IN SOIL @ 4-6' BGS
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 12C**
DATE:	APRIL 2018		

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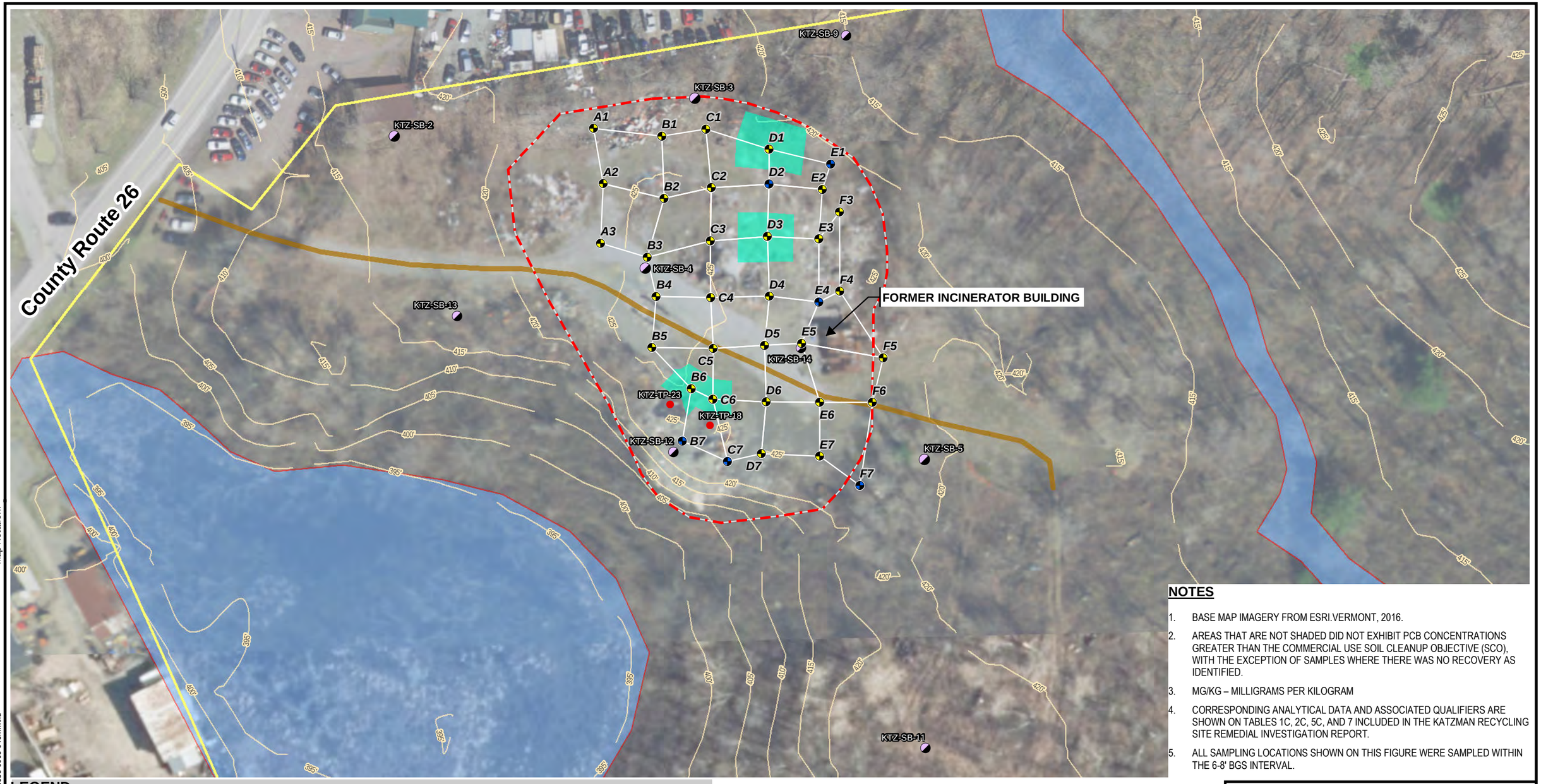
FILE NO.: 240658-0003-015j.mxd

TRC - GIS

Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

Plot Date: 4/20/2018, 08:07:25 AM by BDEEGAN -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-015m.mxd



LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT-NO RECOVERY
- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT
- SOIL BORING LOCATIONS - JULY 2016 SAMPLING EVENT
- TEST PIT SOIL SAMPLING LOCATION
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- APPROXIMATE AREA OF PCB CONCENTRATIONS THAT EXCEED COMMERICAL USE SCO (10.0 MG/KG) FOR SOILS >1' BGS
- SAMPLE GRID
- PROJECT AREA
- DELINEATED WETLAND

NOTES

1. BASE MAP IMAGERY FROM ESRI.VERMONT, 2016.
2. AREAS THAT ARE NOT SHADED DID NOT EXHIBIT PCB CONCENTRATIONS GREATER THAN THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO), WITH THE EXCEPTION OF SAMPLES WHERE THERE WAS NO RECOVERY AS IDENTIFIED.
3. MG/KG – MILLIGRAMS PER KILOGRAM
4. CORRESPONDING ANALYTICAL DATA AND ASSOCIATED QUALIFIERS ARE SHOWN ON TABLES 1C, 2C, 5C, AND 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
5. ALL SAMPLING LOCATIONS SHOWN ON THIS FIGURE WERE SAMPLED WITHIN THE 6-8' BGS INTERVAL.

N

0 70 140 Feet

1 " = 70 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
PCBs IN SOIL @ 6-8' BGS
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 12D**
DATE:	APRIL 2018		

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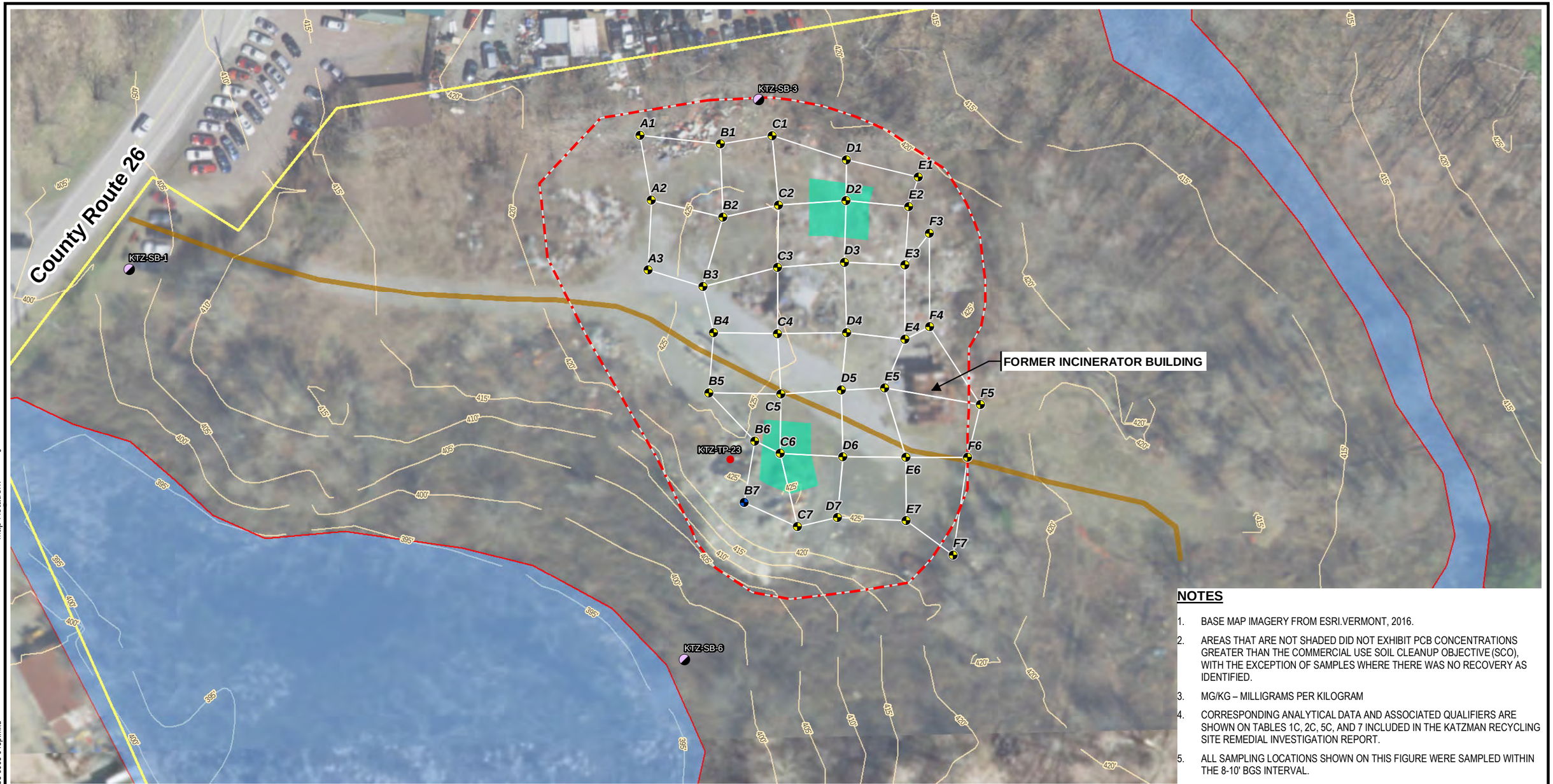

NOTES

1. BASE MAP IMAGERY FROM ESRI.VERMONT, 2016.
2. AREAS THAT ARE NOT SHADED DID NOT EXHIBIT PCB CONCENTRATIONS GREATER THAN THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO), WITH THE EXCEPTION OF SAMPLES WHERE THERE WAS NO RECOVERY AS IDENTIFIED.
3. MG/KG – MILLIGRAMS PER KILOGRAM
4. CORRESPONDING ANALYTICAL DATA AND ASSOCIATED QUALIFIERS ARE SHOWN ON TABLES 1C, 2C, 5C, AND 7 INCLUDED IN THE KATZMAN RECYCLING SITE REMEDIAL INVESTIGATION REPORT.
5. ALL SAMPLING LOCATIONS SHOWN ON THIS FIGURE WERE SAMPLED WITHIN THE 8-10' BGS INTERVAL.

LEGEND

- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT-NO RECOVERY
- SOIL BORING LOCATION - NOVEMBER 2016 SAMPLING EVENT
- TEST PIT SOIL SAMPLING LOCATION
- APPROX. EXTENT OF MAIN WASTE ACCUMULATION AREA
- ACCESS ROAD
- GROUND SURFACE ELEVATION CONTOUR (FEET)
- APPROXIMATE AREA OF PCB CONCENTRATIONS THAT EXCEED COMMERICAL USE SCO (10.0 MG/KG) FOR SOILS >1' BGS
- PROJECT AREA
- SAMPLE GRID
- DELINEATED WETLAND

N

0 60 120 Feet

1 " = 60 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
PCBs IN SOIL @ 8-10' BGS
NOVEMBER 2016

DRAWN BY:	B. DEEGAN	PROJ NO.:	240658.0003
CHECKED BY:	M. DOWD		
APPROVED BY:	J. LAROCK		**FIGURE 12E**
DATE:	APRIL 2018		

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FILE NO.: 240658-0003-015p.mxd

Plot Date: 4/20/2018, 08:32:02 AM by BDEEGAN -- LAYOUT:ANSI B(11"x17")
Path: S:\1-PROJECTS\NYSDEC\240658_Katzman\240658-0003-015p.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0

TRC - GIS

TABLES

Table 1a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for Volatile Organic Compounds (January 2016)

		SAMPLE ID:	KTZ-TP-1-1.5	KTZ-TP-1-4	KTZ-TP-3-2'	KTZ-TP-5-2'	KTZ-TP-6-1'	KTZ-TP-6-3'	KTZ-TP-7-2'	KTZ-TP-7-4'	KTZ-TP-9-2'	KTZ-TP-9-4.5'	KTZ-TP-11-2.5'	KTZ-TP-12-3'	KTZ-TP-12-4'	KTZ-TP-13-2'	KTZ-TP-13-4'	KTZ-TP-14-3'	KTZ-TP-15-2.5'	KTZ-TP-16-2.5'
		LABORATORY ID:	480-93426-6	480-93426-3	480-93601-2	480-93601-1	480-93426-2	480-93426-1	480-93426-5	480-93426-4	480-93512-5	480-93512-6	480-93512-8	480-93512-1	480-93512-2	480-93601-11	480-93512-4	480-93512-3	480-93601-5	480-93601-4
		SAMPLE DEPTH (FT.):	1.5	4	2	2	1	3	2	4	2	4.5	2.5	3	4	2	4	3	2.5	2.5
		COLLECTION DATE:	1/4/2016	1/4/2016	1/6/2016	1/6/2016	1/4/2016	1/4/2016	1/4/2016	1/4/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/6/2016	1/6/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTE	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,1,2,2-Tetrachloroethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,1,2-Trichloroethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 UJ	0.0044 UJ	0.0048 U	0.0073 U	0.0069 UJ	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,1-Dichloroethane	0.27	240	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,1-Dichloroethene	0.33	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,2,4-Trichlorobenzene	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,2-Dichlorobenzene	1.1	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	**0.5**	0.015 U
1,2-Dichloroethane	0.02	30	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,2-Dichloropropane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
1,3-Dichlorobenzene	2.4	280	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	**0.74**	0.015 U
1,4-Dichlorobenzene	1.8	130	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	**5.5**	0.015 U
2-Butanone (MEK)	0.12	500	0.099 U	0.024 U	0.021 U	0.028 U	0.051 U	0.035 U	0.27 U	0.023 UJ	**0.041** J	0.024 U	0.037 U	0.035 UJ	0.025 U	0.056 U	0.027 U	3.5 U	1.8 UJ	0.076 U
2-Hexanone	NS	NS	0.099 U	0.024 U	0.021 U	0.028 U	0.051 U	0.035 U	0.27 U	0.023 UJ	0.022 UJ	0.024 U	0.037 U	0.035 UJ	0.025 U	0.056 U	0.027 U	3.5 U	1.8 UJ	0.076 U
4-Methyl-2-pentanone (MIBK)	NS	NS	0.099 U	0.024 U	0.021 U	0.028 U	0.051 U	0.035 U	0.27 U	0.023 U	**0.0076** J	0.024 U	0.037 U	0.035 U	0.025 U	0.056 U	0.027 U	3.5 U	1.8 UJ	0.076 U
Acetone	0.05	500	0.099 U	**0.0046** J	0.021 UJ	0.028 UJ	0.051 U	0.035 U	**0.38**	**0.097** J	**0.22** J-	**0.093**	0.037 U	0.035 UJ	**0.12**	0.056 UJ	0.027 U	3.5 U	1.8 UJ	0.076 UJ
Benzene	0.06	44	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.5**	**0.0013** J	**0.0061** J-	**0.00048** J	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Bromodichloromethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Bromoform	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Bromomethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 UJ	0.015 U
Carbon Disulfide	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Carbon tetrachloride	0.76	22	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Chlorobenzene	1.1	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	**0.26** J	0.015 U
Dibromochloromethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Chloroethane	NS	NS	0.020 UJ	0.0047 UJ	0.0042 U	0.0056 U	0.010 UJ	0.0069 UJ	0.055 UJ	0.0045 UJ	0.0044 UJ	0.0048 U	0.0073 U	0.0069 UJ	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Chloroform	0.37	350	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Chloromethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
cis-1,2-Dichloroethene	0.25	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
cis-1,3-Dichloropropene	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Cyclohexane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.7** J	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Dichlorodifluoromethane	NS	NS	0.020 UJ	0.0047 UJ	0.0042 UJ	0.0056 UJ	0.010 UJ	0.0069 UJ	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 UJ	0.0054 U	0.70 U	0.36 U	0.015 UJ
Ethylbenzene	1	390	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**3.6**	0.0045 U	**0.019** J-	**0.0019** J	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	**0.97**	0.36 U	0.015 U
1,2-Dibromoethane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Isopropylbenzene	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.54**	0.0045 U	**0.011** J	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	**0.31** J	0.36 U	0.015 U
Methyl acetate	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 UJ	0.0044 UJ	0.0048 U	0.0073 U	0.0069 UJ	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 UJ	0.015 U
Methyl-tert-butyl-ether	0.93	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	**0.001** J	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Methylcyclohexane	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.9**	0.0045 U	**0.0023** J	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Methylene chloride	0.05	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.075**	**0.0039** J	0.0044 UJ	0.0048 U	0.0073 U	**0.0068** J	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Styrene	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Tetrachloroethene	1.3	150	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	**0.0031** J	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Toluene	0.7	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	**0.21**	0.0045 U	**0.025** J-	**0.0012** J	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	**0.33** J	0.36 U	0.015 U
trans-1,2-Dichloroethene	0.19	500	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
trans-1,3-Dichloropropene	NS	NS	0.020 U	0.0047 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Trichloroethene	0.47	200	0.020 U	0.005 U	0.0042 U	0.0056 U	0.010 U	0.0069 U	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	**0.0021** J	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Trichlorofluoromethane	NS	NS	0.020 UJ	0.0047 UJ	0.0042 U	0.0056 U	0.010 UJ	0.0069 UJ	0.055 UJ	0.0045 UJ	**0.002** J	0.0048 UJ	0.0073 UJ	0.0069 UJ	0.005 UJ	0.011 U	0.0054 UJ	0.70 UJ	0.36 UJ	0.015 U
Vinyl chloride	0.02	13	0.020 UJ	0.0047 UJ	0.0042 U	0.0056 U	0.010 UJ	0.0069 UJ	0.055 U	0.0045 U	0.0044 UJ	0.0048 U	0.0073 U	0.0069 U	0.005 U	0.011 U	0.0054 U	0.70 U	0.36 U	0.015 U
Xylenes, Total	0.26	500	**0.005** J	0.0095 U	0.0084 U	0.011 U	0.020 U	0.014 U	**23**	0.009 U	**0.094** J-	**0.011**	0.015 U	0.014 U	0.01 U	0.022 U	0.011 U	**7.2**	0.72 U	0.030 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
VOCs - Volatile organic compounds.
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 1a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for Volatile Organic Compounds (January 2016)

SAMPLE ID:			KTZ-TP-17-1'	KTZ-TP-17-2'	KTZ-TP-18-3'	KTZ-TP-18-5'	KTZ-TP-18-7'	KTZ-PILE-1	KTZ-TP-19-2'	KTZ-TP-21-2'	KTZ-TP-21-4'	KTZ-TP-22-1'	KTZ-TP-23-4'	KTZ-TP-23-8'	KTZ-TP-24-1'	KTZ-TP-25-1'	KTZ-TP-26-1'	KTZ-TP-27-1'	KTZ-TP-28-1'
LABORATORY ID:			480-93601-9	480-93601-6	480-93601-10	480-93601-3	480-93601-8	480-93726-5	48093601-7	480-93677-6	480-93677-1	480-93677-2	480-93677-4	480-93677-5	480-93677-3	480-93726-1	480-93726-2	480-93726-3	480-93726-4
SAMPLE DEPTH (FT.):			1	2	3	5	7	1	2	2	4	1	4	8	1	1	1	1	1
COLLECTION DATE:			1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/8/2016	1/6/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTE	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,1,2,2-Tetrachloroethane	NS	NS	0.007 UJ	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,1,2-Trichloroethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,1-Dichloroethane	0.27	240	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,1-Dichloroethene	0.33	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2,4-Trichlorobenzene	NS	NS	**0.003** J+	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	**120**	0.0062 U	**0.011**	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.007 UJ	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2-Dichlorobenzene	1.1	500	**0.0019** J+	**0.11** J	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	**0.037**	0.0062 U	**0.003** J	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2-Dichloroethane	0.02	30	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2-Dichloropropane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,3-Dichlorobenzene	2.4	280	**0.0017** J+	**0.94**	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	**0.029**	**1.9**	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,4-Dichlorobenzene	1.8	130	**0.0039** J+	**6.0**	0.008 U	0.0049 U	**0.0026** J	0.0057 U	**0.0035** J	0.0052 U	**0.008** J	0.0062 U	**5.6**	**11**	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
2-Butanone (MEK)	0.12	500	0.035 U	0.6 UJ	0.04 U	0.024 U	0.039 U	0.028 U	0.025 U	0.026 U	0.046 U	0.031 U	0.023 U	6.6 U	0.024 U	0.024 U	0.024 U	0.024 U	0.028 U
2-Hexanone	NS	NS	0.035 U	0.6 UJ	0.04 U	0.024 U	0.039 U	0.028 U	0.025 U	0.026 U	0.046 U	0.031 U	0.023 U	6.6 U	0.024 U	0.024 U	0.024 U	0.024 U	0.028 U
4-Methyl-2-pentanone (MIBK)	NS	NS	0.035 U	0.6 UJ	0.04 U	0.024 U	0.039 U	0.028 U	0.025 U	0.026 U	0.046 U	0.031 U	0.023 U	6.6 UJ	0.024 U	0.024 U	0.024 U	0.024 U	0.028 U
Acetone	0.05	500	0.035 U	0.6 UJ	0.04 UJ	0.024 UJ	0.039 UJ	**0.029** J+	0.025 UJ	0.026 U	0.046 UJ	0.031 U	**0.095** J	6.6 U	0.024 U	0.024 U	0.024 U	0.024 U	0.028 U
Benzene	0.06	44	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	**0.0025** J	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Bromodichloromethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Bromoform	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Bromomethane	NS	NS	0.007 U	0.12 UJ	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Carbon Disulfide	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Carbon tetrachloride	0.76	22	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Chlorobenzene	1.1	500	0.007 U	**8.2**	0.008 U	0.0049 U	**0.0024** J	0.0057 U	**0.0043** J	0.0052 U	0.0092 U	0.0062 U	**4.8**	**47**	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Dibromochloromethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Chloroethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Chloroform	0.37	350	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Chloromethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 UJ	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
cis-1,2-Dichloroethene	0.25	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
cis-1,3-Dichloropropene	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Cyclohexane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Dichlorodifluoromethane	NS	NS	0.007 UJ	0.12 U	0.008 UJ	0.0049 UJ	0.0079 UJ	0.0057 UJ	0.005 UJ	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 UJ	0.0049 UJ	0.0048 UJ	0.0055 UJ
Ethylbenzene	1	390	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.00620 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
1,2-Dibromoethane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Isopropylbenzene	NS	NS	0.007 UJ	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Methyl acetate	NS	NS	0.007 U	0.12 UJ	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Methyl-tert-butyl-ether	0.93	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Methylcyclohexane	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Methylene chloride	0.05	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	**0.0034** J	**0.38** J	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Styrene	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Tetrachloroethene	1.3	150	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Toluene	0.7	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
trans-1,2-Dichloroethene	0.19	500	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
trans-1,3-Dichloropropene	NS	NS	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Trichloroethene	0.47	200	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Trichlorofluoromethane	NS	NS	0.007 U	0.12 UJ	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 UJ	0.0092 UJ	0.0062 UJ	0.0046 UJ	1.3 UJ	0.0049 UJ	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Vinyl chloride	0.02	13	0.007 U	0.12 U	0.008 U	0.0049 U	0.0079 U	0.0057 U	0.005 U	0.0052 U	0.0092 U	0.0062 U	0.0046 U	1.3 U	0.0049 U	0.0047 U	0.0049 U	0.0048 U	0.0055 U
Xylenes, Total	0.26	500	0.014 U	0.24 U	0.016 U	0.0098 U	0.016 U	0.011 U	0.010 U	0.010 U	**0.0015** J	0.012 U	0.0092 U	2.6 U	0.0098 U	0.0094 U	0.0097 U	0.0096 U	0.011 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
VOCs - Volatile organic compounds.
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 1b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for Semivolatile Organic Compounds (January 2016)

			SAMPLE ID:	KTZ-TP-1-1.5	KTZ-TP-1-4	KTZ-TP-3-2'	KTZ-TP-5-2'	KTZ-TP-6-1'	KTZ-TP-6-3'	KTZ-TP-7-2'	KTZ-TP-7-4'	KTZ-TP-9-2'	KTZ-TP-9-4.5'	KTZ-TP-11-2.5'	KTZ-TP-12-3'	KTZ-TP-12-4'	KTZ-TP-13-2'	KTZ-TP-13-4'	KTZ-TP-14-3'	KTZ-TP-15-2.5'	KTZ-TP-16-	KTZ-TP-17-1'	KTZ-TP-17-2'	KTZ-TP-18-3'	KTZ-TP-18-5'	KTZ-TP-18-7'	KTZ-PILE-1	KTZ-TP-19-2'
			LABORATORY ID:	480-93426-6	480-93426-3	480-93601-2	480-93601-1	480-93426-2	480-93426-1	480-93426-5	480-93426-4	480-93512-5	480-93512-6	480-93512-8	480-93512-1	480-93512-2	480-93601-11	480-93512-4	480-93512-3	480-93601-5	480-93601-4	480-93601-9	480-93601-6	480-93601-10	480-93601-3	480-93601-8	480-93726-5	480093601-7
			SAMPLE DEPTH (FT.):	1.5	4	2	2	1	3	2	4	2	4.5	2.5	3	4	2	4	3	2.5	2.5	1	2	3	5	7	1	2
			COLLECTION DATE:	1/4/2016	1/4/2016	1/6/2016	1/6/2016	1/4/2016	1/4/2016	1/4/2016	1/4/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/8/2016	1/6/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTE	**Unrestricted Use SCO***	**Commercial Use SCO***		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	**0.71** J	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
bis (2-chloroisopropyl) ether	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,4,5-Trichlorophenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,4,6-Trichlorophenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,4-Dichlorophenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,4-Dimethylphenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,4-Dinitrophenol	NS	NS		21 U	2.0 U	1.9 U	2.0 U	2.7 U	2.6 U	250 U	2.0 U	39 U	20 U	9.8 U	11 U	2.0 U	11 U	2.0 U	100 U	40 U	2.1 U	280 U	41 U	12 U	2.1 U	24 U	9.9 U	2 U
2,4-Dinitrotoluene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2,6-Dinitrotoluene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2-Chloronaphthalene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2-Chlorophenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2-Methylphenol	0.33	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2-Methylnaphthalene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	**6.7** J	0.20 U	**1.2** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**13**	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
2-Nitroaniline	NS	NS		4.2 U	0.41 U	0.37 U	0.40 U	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 U	0.39 U	21 U	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
2-Nitrophenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
3,3'-Dichlorobenzidine	NS	NS		4.2 U	0.41 U	0.37 UJ	0.40 UJ	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 UJ	0.39 U	21 U	8 UJ	0.41 UJ	56 UJ	8.1 UJ	2.4 UJ	0.42 UJ	4.7 UJ	2.0 UJ	0.4 UJ
3-Nitroaniline	NS	NS		4.2 UJ	0.41 UJ	0.37 U	0.40 U	0.53 UJ	0.51 UJ	50 UJ	0.39 UJ	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 U	0.39 U	21 U	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
4,6-Dinitro-2-methylphenol	NS	NS		4.2 U	0.41 U	0.37 U	0.40 U	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 U	0.39 U	21 U	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
4-Bromophenyl phenyl ether	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
4-Chloro-3-methylphenol	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
4-Chloroaniline	NS	NS		2.1 UJ	0.21 UJ	0.19 U	0.21 U	0.27 UJ	0.26 UJ	26 UJ	0.20 UJ	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
4-Chlorophenyl phenyl ether	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
4-Methylphenol	0.33	500		4.2 U	0.41 U	0.37 U	0.40 U	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 U	0.39 U	21 U	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
4-Nitroaniline	NS	NS		4.2 U	0.41 U	0.37 U	0.40 U	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 U	0.39 U	21 U	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
4-Nitrophenol	NS	NS		4.2 U	0.41 U	0.37 U	0.40 U	0.53 U	0.51 U	50 U	0.39 U	7.8 UJ	4 UJ	1.9 UJ	2.1 UJ	0.39 UJ	2.2 U	0.39 UJ	21 UJ	8 U	0.41 U	56 U	8.1 U	2.4 U	0.42 U	4.7 U	2.0 U	0.4 U
Acenaphthene	20	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Acenaphthylene	100	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**0.62** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Acetophenone	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**1.8** J	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Anthracene	100	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Atrazine	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Benzaldehyde	NS	NS		2.1 UJ	0.21 UJ	0.19 UJ	0.21 UJ	0.27 UJ	0.26 UJ	26 UJ	0.20 UJ	4.0 UJ	2.1 UJ	1.0 UJ	1.1 UJ	0.20 UJ	1.1 UJ	0.20 UJ	11 UJ	4.1 UJ	0.21 UJ	29 UJ	4.2 UJ	1.2 UJ	0.22 UJ	2.4 UJ	1.0 UJ	0.21 UJ
Benzo(a)anthracene	1	5.6		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**1.8** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	**1.5** J	0.21 U	**7.9** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Benzo(a)pyrene	1	1		2.1 U	**0.10** J	0.19 U	0.21 U	**0.14** J	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	**0.58** J	0.20 U	11 U	**3.0** J	0.21 U	**19** J	4.2 U	**0.62** J	0.22 U	2.4 U	1.0 U	0.21 U
Benzo(b)fluoranthene	1	5.6		2.1 U	**0.10** J	0.19 U	0.21 U	**0.14** J	0.26 U	26 U	0.20 U	**2.1** J	2.1 U	1.0 U	1.1 U	0.20 U	**0.58** J	0.20 U	11 U	**3.4** J	0.21 U	**21** J	4.2 U	**0.61** J	0.22 U	2.4 U	1.0 U	0.21 U
Benzo(g,h,i)perylene	100	500		2.1 U	0.21 U	0.19 U	0.21 U	**0.16** J	0.26 U	26 U	0.20 U	**1.6** J	2.1 U	**0.21** J	**0.12** J	0.20 U	**0.68** J	0.20 U	11 U	**2.8** J	0.21 U	**19** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Benzo(k)fluoranthene	0.8	56		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**0.89** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	**0.78** J	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Bis(2-chloroethoxy)methane	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Bis(2-chloroethyl)ether	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Bis(2-Ethylhexyl)phthalate	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	**0.21** J	0.26 U	**50**	0.20 U	**36**	2.1 U	**0.41** J	**0.81** J	0.20 U	1.1 U	0.20 U	**36**	**10**	0.21 U	**24** J	4.2 U	**1.1** J	0.22 U	**2.0** J	1.0 U	0.21 U
Butyl benzyl phthalate	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Caprolactam	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Carbazole	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Chrysene	1	56		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**1.8** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	**1.5** J	0.21 U	**8.6** J	4.2 U	1.2 U	0.22 U	2.4 U	**0.29** J	0.21 U
Dibenz(a,h)anthracene	0.33	0.50		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Di-n-butyl phthalate	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**0.87** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Di-n-octyl phthalate	NS	NS		2.1 U	0.21 U	0.19 UJ	0.21 UJ	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 UJ	0.20 U	11 U	**3.9** J	0.21 UJ	29 UJ	4.2 UJ	1.2 UJ	0.22 UJ	2.4 UJ	1.0 U	0.21 UJ
Dibenzofuran	7	350		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Diethyl phthalate	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Dimethyl phthalate	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Fluoranthene	100	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**3.5** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**1.6** J	**2.2** J	0.21 U	**16** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Fluorene	30	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**0.58** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Hexachlorobenzene	0.33	6		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Hexachlorobutadiene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Hexachlorocyclopentadiene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Hexachloroethane	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Indeno(1,2,3-cd)pyrene	0.5	5.6		2.1 U	0.21 U	0.19 U	0.21 U	**0.2** J	0.26 U	**18** J	0.20 U	**1.1** J	2.1 U	1.0 U	1.1 U	0.20 U	**0.84** J	0.20 U	11 U	**3.5** J	0.21 U	**23** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Isophorone	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
N-Nitrosoi-n-propylamine	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
N-Nitrosodiphenylamine	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Naphthalene	12	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	**4.8** J	0.20 U	**0.99** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**5.3** J	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	**0.31** J	0.21 U
Nitrobenzene	NS	NS		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Pentachlorophenol	0.8	6.7		4.2 U	0.41 U	0.37 UJ	0.40 UJ	0.53 U	0.51 U	50 U	0.39 U	7.8 U	4 U	1.9 U	2.1 U	0.39 U	2.2 UJ	0.39 U	21 U	8 UJ	0.41 UJ	56 UJ	8.1 UJ	2.4 UJ	0.42 UJ	4.7 UJ	2.0 U	0.4 UJ
Phenanthrene	100	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**1.7** J	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**3.0** J	**3.5** J	0.21 U	**13** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Phenol	0.33	500		2.1 U	0.21 U	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	4.0 U	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	11 U	4.1 U	0.21 U	29 U	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U
Pyrene	500	500		2.1 U	**0.030** J	0.19 U	0.21 U	0.27 U	0.26 U	26 U	0.20 U	**5.0**	2.1 U	1.0 U	1.1 U	0.20 U	1.1 U	0.20 U	**3.0** J	**1.9** J	0.21 U	**13** J	4.2 U	1.2 U	0.22 U	2.4 U	1.0 U	0.21 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
SVOCs - Semivolatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 1b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for Semivolatile Organic Compounds (January 2016)

		SAMPLE ID:	KTZ-TP-21-2'	KTZ-TP-21-4'	KTZ-TP-22-1'	KTZ-TP-23-4'	KTZ-TP-23-8'	KTZ-TP-24-1'	KTZ-TP-25-1'	KTZ-TP-26-1'	KTZ-TP-27-1'	KTZ-TP-28-1'
		LABORATORY ID:	480-93677-6	480-93677-1	480-93677-2	480-93677-4	480-93677-5	480-93677-3	480-93726-1	480-93726-2	480-93726-3	480-93726-4
		SAMPLE DEPTH (FT.):	2	4	1	4	8	1	1	1	1	1
		COLLECTION DATE:	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTE	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
bis (2-chloroisopropyl) ether	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,4,5-Trichlorophenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,4,6-Trichlorophenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,4-Dichlorophenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,4-Dimethylphenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,4-Dinitrophenol	NS	NS	2.1 U	2.1 U	260 U	10 U	32 U	2.1 U	2.1 U	2.1 U	2.00 U	11 U
2,4-Dinitrotoluene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2,6-Dinitrotoluene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2-Chloronaphthalene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2-Chlorophenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2-Methylphenol	0.33	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
2-Methylnaphthalene	NS	NS	0.21 U	**0.13** J	26 U	1.0 U	3.2 U	0.22 U	**0.1** J	0.22 U	0.20 U	1.1 U
2-Nitroaniline	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
2-Nitrophenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
3,3'-Dichlorobenzidine	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
3-Nitroaniline	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
4,6-Dinitro-2-methylphenol	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
4-Bromophenyl phenyl ether	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
4-Chloro-3-methylphenol	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
4-Chloroaniline	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
4-Chlorophenyl phenyl ether	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
4-Methylphenol	0.33	500	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
4-Nitroaniline	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
4-Nitrophenol	NS	NS	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
Acenaphthene	20	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Acenaphthylene	100	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Acetophenone	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Anthracene	100	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Atrazine	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Benzaldehyde	NS	NS	0.21 UJ	0.21 UJ	26 UJ	1.0 UJ	3.2 UJ	0.22 UJ	0.21 UJ	0.22 UJ	0.20 UJ	1.1 UJ
Benzo(a)anthracene	1	5.6	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	**0.022** J	0.22 U	0.20 U	1.1 U
Benzo(a)pyrene	1	1	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Benzo(b)fluoranthene	1	5.6	0.21 U	0.21 U	26 U	1.0 U	3.2 U	**0.11** J	0.21 U	0.22 U	0.20 U	1.1 U
Benzo(g,h,i)perylene	100	500	0.21 U	0.21 U	26 U	1.0 U	**1.9** J	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Benzo(k)fluoranthene	0.8	56	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Bis(2-chloroethoxy)methane	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Bis(2-chloroethyl)ether	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.21 U	0.21 U	**32**	**1.0**	**4.3**	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Butyl benzyl phthalate	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Caprolactam	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Carbazole	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Chrysene	1	56	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Dibenz(a,h)anthracene	0.33	0.50	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Di-n-butyl phthalate	NS	NS	0.21 U	**0.052** J	26 U	**0.45** J	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Di-n-octyl phthalate	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Dibenzofuran	7	350	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Diethyl phthalate	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Dimethyl phthalate	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Fluoranthene	100	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Fluorene	30	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Hexachlorobenzene	0.33	6	0.21 U	**0.19** J	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Hexachlorobutadiene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Hexachlorocyclopentadiene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Hexachloroethane	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.21 U	0.21 U	26 U	1.0 U	**2.5** J	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Isophorone	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
N-Nitrosoi-n-propylamine	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
N-Nitrosodiphenylamine	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Naphthalene	12	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	**0.37**	**0.055** J	0.20 U	**0.27** J
Nitrobenzene	NS	NS	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Pentachlorophenol	0.8	6.7	0.41 U	0.42 U	51 U	2.0 U	6.3 U	0.42 U	0.41 U	0.42 U	0.40 U	2.2 U
Phenanthrene	100	500	0.21 U	**0.069** J	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Phenol	0.33	500	0.21 U	0.21 U	26 U	1.0 U	3.2 U	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U
Pyrene	500	500	0.21 U	0.21 U	26 U	**0.14** J	**0.79** J	0.22 U	0.21 U	0.22 U	0.20 U	1.1 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
SVOCs - Semivolatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 1c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for PCBs, Metals, Pesticides, and Herbicides (January 2016)

ANALYSIS	ANALYTE	Unrestricted Use SCO*	Commercial Use SCO*	KTZ-TP-1-1.5	KTZ-TP-1-4	KTZ-TP-3-2'	KTZ-TP-5-2'	KTZ-TP-6-1'	KTZ-TP-6-3'	KTZ-TP-7-2'	KTZ-TP-7-4'	KTZ-TP-9-2'	KTZ-TP-9-4.5'	KTZ-TP-11-2.5'	KTZ-TP-12-3'	KTZ-TP-12-4'	KTZ-TP-13-2'	KTZ-TP-13-4'	KTZ-TP-14-3'	KTZ-TP-15-2.5'	KTZ-TP-16-2.5'
	SAMPLE ID:			KTZ-TP-1-1.5	KTZ-TP-1-4	KTZ-TP-3-2'	KTZ-TP-5-2'	KTZ-TP-6-1'	KTZ-TP-6-3'	KTZ-TP-7-2'	KTZ-TP-7-4'	KTZ-TP-9-2'	KTZ-TP-9-4.5'	KTZ-TP-11-2.5'	KTZ-TP-12-3'	KTZ-TP-12-4'	KTZ-TP-13-2'	KTZ-TP-13-4'	KTZ-TP-14-3'	KTZ-TP-15-2.5'	KTZ-TP-16-2.5'
	LABORATORY ID:			480-93426-6	480-93426-3	480-93601-2	480-93601-1	480-93426-2	480-93426-1	480-93426-5	480-93426-4	480-93512-5	480-93512-6	480-93512-8	480-93512-1	480-93512-2	480-93601-11	480-93512-4	480-93512-3	480-93601-5	480-93601-4
	SAMPLE DEPTH (FT.):			1.5	4	2	2	1	3	2	4	2	4.5	2.5	3	4	2	4	3	2.5	2.5
	COLLECTION DATE:			1/4/2016	1/4/2016	1/6/2016	1/6/2016	1/4/2016	1/4/2016	1/4/2016	1/4/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/6/2016	1/6/2016
	UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCBs																					
	Aroclor 1016	NS	NS	0.64 U	0.31 U	0.28 U	0.27 U	0.33 U	0.29 U	0.41 U	0.24 U	1.0 U	0.27 U	2.7 U	0.32 U	0.30 U	5.2 U	0.27 U	0.51 U	490 U	0.27 U
	Aroclor 1221	NS	NS	0.64 U	0.31 U	0.28 U	0.27 U	0.33 U	0.29 U	0.41 U	0.24 U	1.0 U	0.27 U	2.7 U	0.32 U	0.30 U	5.2 U	0.27 U	0.51 U	490 U	0.27 U
	Aroclor 1232	NS	NS	0.64 U	0.31 U	0.28 U	0.27 U	0.33 U	0.29 U	0.41 U	0.24 U	1.0 U	0.27 U	2.7 U	0.32 U	0.30 U	5.2 U	0.27 U	0.51 U	490 U	0.27 U
	Aroclor 1242	NS	NS	0.64 U	0.31 U	**0.21** J	0.27 U	0.33 U	0.29 U	0.41 U	0.24 U	1.0 U	0.27 U	2.7 U	0.32 U	0.30 U	5.2 U	0.27 U	0.51 U	**3,000**	0.27 U
	Aroclor 1248	NS	NS	0.64 U	**0.35**	0.28 U	0.27 U	0.33 U	0.29 U	**1.2**	0.24 U	**4.7**	0.27 U	**84**	0.32 U	0.30 U	5.2 U	0.27 U	**3.6**	490 U	0.27 U
	Aroclor 1254	NS	NS	0.64 U	0.31 U	0.28 U	**0.44**	0.33 U	0.29 U	0.41 U	0.24 U	1.0 U	0.27 U	2.7 U	**1.5**	0.30 U	**27**	0.27 U	0.51 U	490 U	0.27 U
	Aroclor 1260	NS	NS	0.64 U	0.31 U	**0.22** J	0.27 U	**0.26** J	**0.15** J	**0.97**	0.24 U	**2.7**	0.27 U	**9.7**	**1.3**	0.30 U	5.2 U	0.27 U	**2.2** J	490 U	0.27 U
	Total PCBs	0.1	1/10 **	0.64 U	**0.35**	**0.43** J	**0.44**	**0.26** J	**0.15** J	**2.17**	0.24 U	**7.4**	0.27 U	**91.7**	**2.8**	0.30 U	**27**	0.27 U	**5.8** J	**3,000**	0.27 U
Metals, total																					
	Arsenic	13	16	6.3 U	**10.1**	**8.7**	**8.8**	**2.1** J	**9.8**	**17.3**	**7.5**	**22**	**7.6**	**11.4**	**4.6**	**7.9**	**15.9**	**10.3**	**21.7**	**6.6**	**7.1**
	Barium	350	400	**82.5** J	**76.4** J	**79.3** J	**79.4** J	**194** J	**122** J	**284** J	**86.2** J	**278** J	**50.8** J	**190** J	**205** J	**81.6** J	**267** J	**115** J	**567** J	**38.8** J	**38.5** J
	Cadmium	2.5	9.3	**15.8**	**0.3**	**0.25**	**0.19** J	**46**	**0.35**	**18.6**	**0.087** J	**9.2**	**0.16** J	**22.7**	**16.9**	**0.064** J	**56.8**	**0.077** J	**19.5**	**0.21** J	**0.16** J
	Chromium (total)	1	400	**326**	**16.4**	**16.1**	**20.1**	**308**	**28.6**	**102**	**20.3**	**32.7**	**12.6**	**58.2**	**172**	**21.7**	**323**	**23.5**	**40.6**	**11.4**	**9.8**
	Lead	63	1,000	**307** J	**18.1** J	**27.9**	**14.3**	**1,650** J	**71.2** J	**4,540** J	**13.2** J	**1,760**	**31**	**8,190**	**1,340**	**16.8**	**6,220**	**17.3**	**3,780**	**10.8**	**9.7**
	Selenium	3.9	1,500	63.4 U	4.9 U	**0.57** J	**0.97** J	31.5 U	**1.9** J	**1.3** J	**0.63** J	**0.95** J	4.9 U	**8.3**	**4.5** J	**0.65** J	**5.2** J	5.2 U	**0.47** J	5.1 U	5.3 U
	Silver	2	1,500	**7.6**	0.74 U	0.7 U	0.73 U	**8.2**	0.93 U	**2.4**	0.71 U	**0.52** J	0.74 U	**1.9**	**13.3**	0.71 U	**3.9**	0.78 U	**0.23** J	0.77 U	0.8 U
	Mercury	0.18	2.8	**0.045** J	**0.018** J	**0.011** J	**0.032**	**0.053** J-	**0.19** J-	**0.28** J-	**0.021** J	**0.21**	0.023 U	**0.18**	**0.16**	**0.025**	**0.15**	**0.011** J	**0.46**	**0.015** J	**0.022** J
Pesticides																					
	4,4'-DDD	0.0033	92	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.69**	N/A	N/A	N/A	N/A
	4,4'-DDE	0.0033	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.54**	N/A	N/A	N/A	N/A
	4,4'-DDT	0.0033	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Aldrin	0.005	0.68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	alpha-BHC	0.02	3.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	alpha-Chlordane	0.094	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.079** J	N/A	N/A	N/A	N/A
	beta-BHC	0.036	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	delta-BHC	0.04	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.22**	N/A	N/A	N/A	N/A
	Dieldrin	0.005	1.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.40** NJ	N/A	N/A	N/A	N/A
	Endosulfan I	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Endosulfan II	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Endosulfan sulfate	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Endrin	0.014	89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Endrin aldehyde	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.23** J	N/A	N/A	N/A	N/A
	Endrin ketone	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	gamma-Chlordane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.33** J	N/A	N/A	N/A	N/A
	Heptachlor	0.042	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.039** J	N/A	N/A	N/A	N/A
	Heptachlor epoxide	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Methoxychlor	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11 U	N/A	N/A	N/A	N/A
	Toxaphene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1 U	N/A	N/A	N/A	N/A
Herbicides																					
	2,4,5-T	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.022 U	N/A	N/A	N/A	N/A
	Silvex (2,4,5-TP)	3.8	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.022 U	N/A	N/A	N/A	N/A
	2,4-D	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.022 U	N/A	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
N/A - Sample not analyzed for the listed analyte.
NJ - Estimated value; presumptive evidence of compound.
NS - No NYSDEC standards exist for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
PCBs - Polychlorinated Biphenyls.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.
** - The NYSDEC Commercial Use SCO for PCBs is 1 mg/kg for surface soils, 10 mg/kg for soils at depth.

Table 1c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Test Pit Soil for PCBs, Metals, Pesticides, and Herbicides (January 2016)

ANALYSIS	ANALYTE	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID: KTZ-TP-17-1'	KTZ-TP-17-2'	KTZ-TP-18-3'	KTZ-TP-18-5'	KTZ-TP-18-7'	KTZ-PILE-1	KTZ-TP-19-2'	KTZ-TP-21-2'	KTZ-TP-21-4'	KTZ-TP-22-1'	KTZ-TP-23-4'	KTZ-TP-23-8'	KTZ-TP-24-1'	KTZ-TP-25-1'	KTZ-TP-26-1'	KTZ-TP-27-1'	KTZ-TP-28-1'
				LABORATORY ID: 480-93601-9	480-93601-6	480-93601-10	480-93601-3	480-93601-8	480-93726-5	48093601-7	480-93677-6	480-93677-1	480-93677-2	480-93677-4	480-93677-5	480-93677-3	480-93726-1	480-93726-2	480-93726-3	480-93726-4
				SAMPLE DEPTH (FT.): 1	2	3	5	7	1	2	2	4	1	4	8	1	1	1	1	1
				COLLECTION DATE: 1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/8/2016	1/6/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016
				UNITS: mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCBs																				
	Aroclor 1016	NS	NS	2,700 U	5.9 U	1.6 U	0.30 U	0.66 U	R	0.30 U	0.26 U	R	0.27 UJ	R	R	0.31 U	0.24 U	0.30 U	0.26 U	0.31 UJ
	Aroclor 1221	NS	NS	2,700 U	5.9 U	1.6 U	0.30 U	0.66 U	R	0.30 U	0.26 U	R	0.27 UJ	R	R	0.31 U	0.24 U	0.30 U	0.26 U	0.31 UJ
	Aroclor 1232	NS	NS	2,700 U	5.9 U	1.6 U	0.30 U	0.66 U	R	0.30 U	0.26 U	R	0.27 UJ	R	R	0.31 U	0.24 U	0.30 U	0.26 U	0.31 UJ
	Aroclor 1242	NS	NS	2,700 U	**17**	1.6 U	0.30 U	0.66 U	R	0.30 U	0.26 U	R	0.27 UJ	**3.5** J-	**2.1** J-	0.31 U	0.24 U	0.30 U	0.26 U	0.31 UJ
	Aroclor 1248	NS	NS	2,700 U	5.9 U	**7.9**	0.30 U	**2.2**	**0.41** J-	0.30 U	0.26 U	R	0.27 UJ	R	R	0.31 U	0.24 U	0.30 U	0.26 U	**4.3** J-
	Aroclor 1254	NS	NS	**6,600**	5.9 U	1.6 U	0.30 U	0.66 U	R	0.30 U	0.26 U	R	0.27 UJ	R	R	0.31 U	0.24 U	0.30 U	0.26 U	0.31 UJ
	Aroclor 1260	NS	NS	2,700 U	**17**	**3.3**	0.30 U	**2.8**	R	0.30 U	0.26 U	R	**2.5** J-	**0.51** J-	**2.3** J-	0.31 U	0.24 U	0.30 U	0.26 U	**0.65** J-
	Total PCBs	0.1	1/10 **	**6,600**	**34**	**11.2**	0.30 U	**5.0**	**0.41** J-	0.30 U	0.26 U	R	**2.5** J-	**4.01** J-	**4.4** J-	0.31 U	0.24 U	0.30 U	0.26 U	**4.95** J-
Metals, total																				
	Arsenic	13	16	**27.6**	**7.3**	**12.4** J	**10.8**	**5.9** J	**48**	**11.1**	**5.9**	**8.6**	**40.9**	**10**	**6.9**	**7**	**8.7**	**8.9**	**9**	**8.3**
	Barium	350	400	**3,700** J	**53.1** J	**275** J	**93.2** J	**271** J	**14**	**118** J	**40.5**	**46.6**	**1,000**	**80.3**	**39.3**	**76.4**	**134**	**112**	**173**	**119**
	Cadmium	2.5	9.3	**32.6**	**0.24**	**46.7**	**0.28**	**48.2**	**2.9**	**0.22** J	0.25 U	0.24 U	**159**	**0.4** J+	0.24 U	**0.32** J+	**0.99**	**0.26**	**0.43**	**1.3**
	Chromium (total)	1	400	**106**	**16.1**	**369**	**20.9**	**334**	**998**	**24.4**	**9.0**	**11.8**	**88.6**	**18.7**	**10**	**19.8**	**21.5**	**27.1**	**19.6**	**19.5**
	Lead	63	1,000	**7,340**	**13.6**	**5,980**	**15.6**	**3,930**	**735**	**18**	**13.3**	**12.6**	**6,800**	**16.6**	**11.4**	**11.2**	**12.4**	**25.9**	**25.6**	**52.1**
	Selenium	3.9	1,500	4.7 U	4.7 U	**16.9** J	**0.57** J	**18.9** J	4.9 U	5.2 U	4.9 U	4.9 U	105 U	5.2 U	4.7 U	**0.67** J	**0.53** J	**0.53** J	5 U	5.2 U
	Silver	2	1,500	1.6 U	0.7 U	**8.4**	0.79 U	**8.8**	**4.4** J	0.78 U	0.74 U	0.73 U	**14.9** J	0.79 U	0.71 U	0.82 U	0.76 U	0.78 U	0.74 U	0.78 U
	Mercury	0.18	2.8	**0.3**	**0.012** J	**0.32**	**0.025**	**0.2**	**0.029**	**0.016** J	0.026 U	**0.017** J	**0.13**	**0.037**	**0.013** J	**0.041**	**0.036**	**0.028**	**0.019** J	**0.055**
Pesticides																				
	4,4'-DDD	0.0033	92	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDE	0.0033	62	N/A	N/A	**0.14**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDT	0.0033	47	N/A	N/A	**0.23**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Aldrin	0.005	0.68	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-BHC	0.02	3.4	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-Chlordane	0.094	24	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	beta-BHC	0.036	3	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	delta-BHC	0.04	500	N/A	N/A	**0.39**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Dieldrin	0.005	1.4	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan I	2.4	200	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan II	2.4	200	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan sulfate	2.4	200	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin	0.014	89	N/A	N/A	**0.027** J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin aldehyde	NS	NS	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin ketone	NS	NS	N/A	N/A	**0.042** J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-Chlordane	NS	NS	N/A	N/A	**0.095** J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor	0.042	15	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor epoxide	NS	NS	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Methoxychlor	NS	NS	N/A	N/A	0.12 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Toxaphene	NS	NS	N/A	N/A	1.2 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herbicides																				
	2,4,5-T	NS	NS	N/A	N/A	0.024 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Silvex (2,4,5-TP)	3.8	500	N/A	N/A	0.024 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2,4-D	NS	NS	N/A	N/A	0.024 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
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Values in **bold** indicate the analyte was detected.
Shading indicates result is equal to or above the corresponding SCO.
PCBs - Polychlorinated Biphenyls.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006
** - The NYSDEC Commercial Use SCO for PCBs is 1 mg/kg for surface soils, 10 mg/kg for soils at depth.

Table 2a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for Volatile Organic Compounds (April 2016)

		SAMPLE ID:	KTZ-SS-1	KTZ-SS-2	KTZ-SS-3	KTZ-SS-4	KTZ-SS-5	KTZ-SS-6	KTZ-SS-7	KTZ-SS-8	KTZ-SS-9	KTZ-SS-10	KTZ-SS-11	KTZ-SS-12	KTZ-SS-13	KTZ-SS-14	KTZ-SS-15
		LABORATORY ID:	480-98508-1	480-98508-2	480-98508-3	480-98508-4	480-98508-5	480-98508-6	480-98508-7	480-98508-8	480-98508-9	480-98508-10	480-98508-11	480-98508-12	480-98508-13	480-98508-14	480-98508-15
		COLLECTION DATE:	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,1,2,2-Tetrachloroethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
1,1,2-Trichloroethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,1-Dichloroethane	0.27	240	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,1-Dichloroethene	0.33	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,2,4-Trichlorobenzene	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
1,2-Dibromo-3-Chloropropane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
1,2-Dichlorobenzene	1.1	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
1,2-Dichloroethane	0.02	30	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,2-Dichloropropane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,3-Dichlorobenzene	2.4	280	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
1,4-Dichlorobenzene	1.8	130	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
2-Butanone (MEK)	0.12	500	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03 U	0.044 U	N/A	N/A
2-Hexanone	NS	NS	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03 U	0.044 U	N/A	N/A
4-Methyl-2-pentanone (MIBK)	NS	NS	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03 U	0.044 U	N/A	N/A
Acetone	0.05	500	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03 U	0.044 U	N/A	N/A
Benzene	0.06	44	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Bromodichloromethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Bromoform	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Bromomethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Carbon Disulfide	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Carbon tetrachloride	0.76	22	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Chlorobenzene	1.1	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Dibromochloromethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Chloroethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Chloroform	0.37	350	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Chloromethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
cis-1,2-Dichloroethene	0.25	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
cis-1,3-Dichloropropene	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Cyclohexane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Dichlorodifluoromethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Ethylbenzene	1	390	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
1,2-Dibromoethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Isopropylbenzene	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
Methyl acetate	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Methyl-tert-butyl-ether	0.93	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Methylcyclohexane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Methylene chloride	0.05	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Styrene	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Tetrachloroethene	1.3	150	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Toluene	0.7	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
trans-1,2-Dichloroethene	0.19	500	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
trans-1,3-Dichloropropene	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Trichloroethene	0.47	200	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Trichlorofluoromethane	NS	NS	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 UJ	N/A	N/A
Vinyl chloride	0.02	13	0.0045 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0059 U	0.0089 U	N/A	N/A
Xylenes, Total	0.26	500	0.009 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.012 U	0.018 U	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
N/A - Sample not analyzed for the listed analyte
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SCO.
VOCs - Volatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 2a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for Volatile Organic Compounds (April 2016)

		SAMPLE ID:	KTZ-SS-16	KTZ-SS-17	KTZ-SS-18	KTZ-SS-19	KTZ-SS-20	KTZ-SS-21	KTZ-SS-22	KTZ-SS-23	KTZ-SS-24	KTZ-SS-25	KTZ-SS-26	KTZ-SS-27	KTZ-SS-28	KTZ-SS-31	KTZ-SS-BLDG FLOOR
		LABORATORY ID:	480-98508-16	480-98508-17	480-98581-1	480-98588-2	480-98588-3	480-98588-4	480-98588-5	480-98588-6	480-98588-7	480-119736-1	480-119736-2	480-119736-3	480-119736-4	480-119736-7	480-104148-7
		COLLECTION DATE:	4/18/2016	4/18/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/16/2017	6/16/2017	6/16/2017	6/16/2017	6/16/2017	8/4/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,1,2,2-Tetrachloroethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
1,1,2-Trichloroethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,1-Dichloroethane	0.27	240	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,1-Dichloroethene	0.33	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,2,4-Trichlorobenzene	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
1,2-Dibromo-3-Chloropropane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
1,2-Dichlorobenzene	1.1	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
1,2-Dichloroethane	0.02	30	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,2-Dichloropropane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,3-Dichlorobenzene	2.4	280	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
1,4-Dichlorobenzene	1.8	130	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
2-Butanone (MEK)	0.12	500	N/A	N/A	N/A	0.043 U	N/A	N/A	N/A	0.039 U	N/A	N/A	N/A	N/A	N/A	N/A	0.027 U
2-Hexanone	NS	NS	N/A	N/A	N/A	0.043 U	N/A	N/A	N/A	0.039 U	N/A	N/A	N/A	N/A	N/A	N/A	0.027 U
4-Methyl-2-pentanone (MIBK)	NS	NS	N/A	N/A	N/A	0.043 U	N/A	N/A	N/A	0.039 U	N/A	N/A	N/A	N/A	N/A	N/A	0.027 U
Acetone	0.05	500	N/A	N/A	N/A	0.043 U	N/A	N/A	N/A	**0.06**	N/A	N/A	N/A	N/A	N/A	N/A	0.027 U
Benzene	0.06	44	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Bromodichloromethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Bromoform	NS	NS	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Bromomethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Carbon Disulfide	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Carbon tetrachloride	0.76	22	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Chlorobenzene	1.1	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Dibromochloromethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
Chloroethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Chloroform	0.37	350	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Chloromethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
cis-1,2-Dichloroethene	0.25	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
cis-1,3-Dichloropropene	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Cyclohexane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Dichlorodifluoromethane	NS	NS	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Ethylbenzene	1	390	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
1,2-Dibromoethane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Isopropylbenzene	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 UJ
Methyl acetate	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.027 U
Methyl-tert-butyl-ether	0.93	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Methylcyclohexane	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Methylene chloride	0.05	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Styrene	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Tetrachloroethene	1.3	150	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Toluene	0.7	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
trans-1,2-Dichloroethene	0.19	500	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
trans-1,3-Dichloropropene	NS	NS	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Trichloroethene	0.47	200	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Trichlorofluoromethane	NS	NS	N/A	N/A	N/A	0.0087 UJ	N/A	N/A	N/A	0.0078 UJ	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Vinyl chloride	0.02	13	N/A	N/A	N/A	0.0087 U	N/A	N/A	N/A	0.0078 U	N/A	N/A	N/A	N/A	N/A	N/A	0.0054 U
Xylenes, Total	0.26	500	N/A	N/A	N/A	0.017 U	N/A	N/A	N/A	0.016 U	N/A	N/A	N/A	N/A	N/A	N/A	0.011 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
N/A - Sample not analyzed for the listed analyte
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SCO.
VOCs - Volatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 2b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for Semivolatile Organic Compounds (April 2016)

SAMPLE ID:			KTZ-SS-1	KTZ-SS-2	KTZ-SS-3	KTZ-SS-4	KTZ-SS-5	KTZ-SS-6	KTZ-SS-7	KTZ-SS-8	KTZ-SS-9	KTZ-SS-10	KTZ-SS-11	KTZ-SS-12	KTZ-SS-13	KTZ-SS-14	KTZ-SS-15
LABORATORY ID:			480-98508-1	480-98508-2	480-98508-3	480-98508-4	480-98508-5	480-98508-6	480-98508-7	480-98508-8	480-98508-9	480-98508-10	480-98508-11	480-98508-12	480-98508-13	480-98508-14	480-98508-15
COLLECTION DATE:			4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
bis (2-chloroisopropyl) ether	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,4,5-Trichlorophenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,4,6-Trichlorophenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,4-Dichlorophenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,4-Dimethylphenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,4-Dinitrophenol	NS	NS	19 U	39 U	2.3 U	2.4 U	2.3 U	2.3 U	2.4 U	2.3 U	11 U	22 U	9.9 U	18 U	22 U	22 U	23 U
2,4-Dinitrotoluene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2,6-Dinitrotoluene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2-Chloronaphthalene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2-Chlorophenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
o-cresol	0.33	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2-Methylnaphthalene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
2-Nitroaniline	NS	NS	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
2-Nitrophenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
3,3'-Dichlorobenzidine	NS	NS	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
3-Nitroaniline	NS	NS	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
4,6-Dinitro-2-methylphenol	NS	NS	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
4-Bromophenyl phenyl ether	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
4-Chloro-3-methylphenol	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
4-Chloroaniline	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
4-Chlorophenyl phenyl ether	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
p-cresol	0.33	500	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
4-Nitroaniline	NS	NS	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
4-Nitrophenol	NS	NS	3.8 UJ	7.8 UJ	0.45 UJ	0.47 UJ	0.45 UJ	0.46 UJ	0.48 UJ	0.46 UJ	2.3 UJ	4.4 UJ	2 UJ	3.7 UJ	4.3 UJ	4.4 UJ	4.6 UJ
Acenaphthene	20	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Acenaphthylene	100	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Acetophenone	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Anthracene	100	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Atrazine	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Benzaldehyde	NS	NS	1.9 UJ	4 UJ	0.23 UJ	0.24 UJ	0.23 UJ	0.24 UJ	0.25 UJ	0.24 UJ	1.2 UJ	2.3 UJ	1 UJ	1.9 UJ	2.2 UJ	2.3 UJ	2.4 UJ
Benzo(a)anthracene	1	5.6	**0.59** J	4 U	**0.024** J	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Benzo(a)pyrene	1	1	**0.58** J	**0.65** J	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	**0.37** J	2.2 U	2.3 U	2.4 U
Benzo(b)fluoranthene	1	5.6	**0.73** J	**0.83** J	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	**0.54** J	2.2 U	2.3 U	2.4 U
Benzo(g,h,i)perylene	100	500	**0.5** J	**0.76** J	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	**0.12** J	**0.6** J	2.2 U	2.3 U	2.4 U
Benzo(k)fluoranthene	0.8	56	**0.48** J	**0.62** J	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Bis(2-chloroethoxy)methane	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Bis(2-chloroethyl)ether	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Bis(2-ethylhexyl)phthalate	NS	NS	1.9 U	4 U	0.23 U	0.24 U	**0.1** J	**0.087** J	0.25 U	0.24 U	1.2 U	2.3 U	1 U	**3.4** J	2.2 U	2.3 U	2.4 U
Butyl benzyl phthalate	NS	NS	**0.76** J	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Caprolactam	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Carbazole	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Chrysene	1	56	**0.74** J	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Dibenz(a,h)anthracene	0.33	0.50	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Di-n-butyl phthalate	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	**1.7** J	2.4 U
Di-n-octyl phthalate	NS	NS	**0.48** J	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Dibenzofuran	7	350	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Diethyl phthalate	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Dimethyl phthalate	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Fluoranthene	100	500	**1.6** J	**0.98** J	**0.06** J	**0.05** J	0.23 U	0.24 U	0.25 U	**0.027** J	1.2 U	2.3 U	1 U	**0.33** J	2.2 U	2.3 U	2.4 U
Fluorene	30	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Hexachlorobenzene	0.33	6	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Hexachlorobutadiene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Hexachlorocyclopentadiene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Hexachloroethane	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Indeno[1,2,3-cd]pyrene	0.5	5.6	**0.35** J	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	**0.28** J	2.2 U	2.3 U	2.4 U
Isophorone	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
N-Nitrosoi-n-propylamine	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
N-Nitrosodiphenylamine	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Naphthalene	12	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Nitrobenzene	NS	NS	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Pentachlorophenol	0.8	6.7	3.8 U	7.8 U	0.45 U	0.47 U	0.45 U	0.46 U	0.48 U	0.46 U	2.3 U	4.4 U	2 U	3.7 U	4.3 U	4.4 U	4.6 U
Phenanthrene	100	500	**1.2** J	4 U	**0.043** J	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Phenol	0.33	500	1.9 U	4 U	0.23 U	0.24 U	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	1.9 U	2.2 U	2.3 U	2.4 U
Pyrene	500	500	**1.3** J	**0.89** J	**0.046** J	**0.043** J	0.23 U	0.24 U	0.25 U	0.24 U	1.2 U	2.3 U	1 U	**0.27** J	2.2 U	2.3 U	2.4 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
SVOCs - Semivolatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 2b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for Semivolatile Organic Compounds (April 2016)

SAMPLE ID:			KTZ-SS-16	KTZ-SS-17	KTZ-SS-18	KTZ-SS-19	KTZ-SS-20	KTZ-SS-21	KTZ-SS-22	KTZ-SS-23	KTZ-SS-24	KTZ-SS-25	KTZ-SS-26	KTZ-SS-27	KTZ-SS-28	KTZ-SS-31	KTZ-SS-BLDG FLOOR
LABORATORY ID:			480-98508-16	480-98508-17	480-98588-1	480-98588-2	480-98588-3	480-98588-4	480-98588-5	480-98588-6	480-98588-7	480-119736-1	480-119736-2	480-119736-3	480-119736-4	480-119736-7	480-104148-7
COLLECTION DATE:			4/18/2016	4/18/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/16/2017	6/16/2017	6/16/2017	6/16/2017	6/16/2017	8/4/2016
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS	2.4 U	1.2 UJ	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
bis (2-chloroisopropyl) ether	NS	NS	2.4 U	1.2 U	0.22 UJ	0.27 UJ	0.27 UJ	0.30 UJ	0.24 UJ	0.23 UJ	0.30 UJ	N/A	N/A	N/A	N/A	N/A	0.92 U
2,4,5-Trichlorophenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2,4,6-Trichlorophenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2,4-Dichlorophenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2,4-Dimethylphenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2,4-Dinitrophenol	NS	NS	23 U	12 U	2.2 U	2.6 U	2.6 U	2.9 U	2.3 U	2.3 U	2.9 U	N/A	N/A	N/A	N/A	N/A	9.0 U
2,4-Dinitrotoluene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2,6-Dinitrotoluene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2-Chloronaphthalene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2-Chlorophenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
o-cresol	0.33	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2-Methylnaphthalene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
2-Nitroaniline	NS	NS	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
2-Nitrophenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
3,3'-Dichlorobenzidine	NS	NS	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
3-Nitroaniline	NS	NS	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
4,6-Dinitro-2-methylphenol	NS	NS	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
4-Bromophenyl phenyl ether	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
4-Chloro-3-methylphenol	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
4-Chloroaniline	NS	NS	2.4 U	1.2 UJ	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
4-Chlorophenyl phenyl ether	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
p-cresol	0.33	500	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
4-Nitroaniline	NS	NS	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
4-Nitrophenol	NS	NS	4.6 UJ	2.3 UJ	0.44 UJ	0.52 UJ	0.52 UJ	0.58 UJ	0.46 UJ	0.45 UJ	0.58 UJ	N/A	N/A	N/A	N/A	N/A	1.8 U
Acenaphthene	20	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Acenaphthylene	100	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Acetophenone	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Anthracene	100	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Atrazine	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzaldehyde	NS	NS	2.4 UJ	1.2 UJ	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzo(a)anthracene	1	5.6	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzo(a)pyrene	1	1	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzo(b)fluoranthene	1	5.6	2.4 U	1.2 U	0.22 UJ	0.27 UJ	0.27 UJ	0.30 UJ	0.24 UJ	0.23 UJ	0.30 UJ	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzo(g,h,i)perylene	100	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Benzo(k)fluoranthene	0.8	56	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Bis(2-chloroethoxy)methane	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Bis(2-chloroethyl)ether	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Bis(2-ethylhexyl)phthalate	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	**2.9**
Butyl benzyl phthalate	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Caprolactam	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Carbazole	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Chrysene	1	56	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Dibenz(a,h)anthracene	0.33	0.50	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Di-n-butyl phthalate	NS	NS	2.4 U	1.2 U	**0.072** J	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Di-n-octyl phthalate	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Dibenzofuran	7	350	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Diethyl phthalate	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Dimethyl phthalate	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Fluoranthene	100	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Fluorene	30	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Hexachlorobenzene	0.33	6	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Hexachlorobutadiene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Hexachlorocyclopentadiene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Hexachloroethane	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Indeno[1,2,3-cd]pyrene	0.5	5.6	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Isophorone	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
N-Nitrosoi-n-propylamine	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
N-Nitrosodiphenylamine	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Naphthalene	12	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Nitrobenzene	NS	NS	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Pentachlorophenol	0.8	6.7	4.6 U	2.3 U	0.44 U	0.52 U	0.52 U	0.58 U	0.46 U	0.45 U	0.58 U	N/A	N/A	N/A	N/A	N/A	1.8 U
Phenanthrene	100	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Phenol	0.33	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	0.92 U
Pyrene	500	500	2.4 U	1.2 U	0.22 U	0.27 U	0.27 U	0.30 U	0.24 U	0.23 U	0.30 U	N/A	N/A	N/A	N/A	N/A	**0.35 J**

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
SVOCs - Semivolatile organic compounds.
SCO - Soil Cleanup Objective.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 2c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for PCBs, Metals, and Pesticides (April 2016)

				SAMPLE ID:	KTZ-SS-1	KTZ-SS-2	KTZ-SS-3	KTZ-SS-4	KTZ-SS-5	KTZ-SS-6	KTZ-SS-7	KTZ-SS-8	KTZ-SS-9	KTZ-SS-10	KTZ-SS-11	KTZ-SS-12	KTZ-SS-13	KTZ-SS-14	KTZ-SS-15
				LABORATORY ID:	480-98508-1	480-98508-2	480-98508-3	480-98508-4	480-98508-5	480-98508-6	480-98508-7	480-98508-8	480-98508-9	480-98508-10	480-98508-11	480-98508-12	480-98508-13	480-98508-14	480-98508-15
				COLLECTION DATE:	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016	4/18/2016
				UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYS	**PARAMETERS**	**Unrestricted Use SCO***	**Commercial Use SCO***		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
PCBs																			
	Aroclor 1016	NS	NS		0.47 U	0.51 U	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	0.29 U	2.1 U	3.1 U	0.54 U	0.34 U
	Aroclor 1221	NS	NS		0.47 U	0.51 U	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	0.29 U	2.1 U	3.1 U	0.54 U	0.34 U
	Aroclor 1232	NS	NS		0.47 U	0.51 U	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	0.29 U	2.1 U	3.1 U	0.54 U	0.34 U
	Aroclor 1242	NS	NS		0.47 U	0.51 U	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	0.29 U	**19**	3.1 U	**4.10**	0.34 U
	Aroclor 1248	NS	NS		0.47 U	0.51 U	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	0.29 U	2.1 U	3.1 U	0.54 U	0.34 U
	Aroclor 1254	NS	NS		**2.3**	**1.4**	0.3 U	0.26 U	0.57 U	0.31 U	0.34 U	0.24 U	0.28 U	0.27 U	**0.82**	**9.8**	3.1 U	**1.20**	0.34 U
	Aroclor 1260	NS	NS		**1.7**	**0.78**	0.3 U	0.26 U	**4.5**	0.31 U	0.34 U	0.24 U	0.28 U	**0.26**	**0.69**	**3.6**	3.1 U	**1.50**	0.34 U
	Total PCBs	0.1	1		**4.0**	**2.18**	0.3 U	0.26 U	**4.5**	0.31 U	0.34 U	0.24 U	0.28 U	**0.26**	**1.51**	**32.4**	3.1 (2) U	**6.80**	0.34 U
Metals, total																			
	Aluminium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Antimony	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Arsenic	13	16		**19.5**	**12.8**	**6.9**	**8.4**	**9.1**	**7.9**	**7.9**	**8.1**	**6.1**	**5.3**	**39.0**	**20.2**	**12.3**	**17.7**	**6.7**
	Barium	350	400		**275** J	**322** J	**99.4** J	**104** J	**112** J	**116** J	**128** J	**119** J	**107** J	**128** J	**311** J	**241** J	**894** J	**892** J	**86.9** J
	Beryllium	7.2	590		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cadmium	2.5	9.3		**30.7**	**5.3**	**0.16** J	**0.32**	**0.61**	**0.59**	**0.23** J	**0.22** J	**0.60**	**3.7**	**3.8**	**17.0**	**68.5**	**14.5**	**0.27** J
	Calcium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Chromium (1)	1	400		**123**	**33.4**	**22.1**	**20.9**	**23.6**	**22.9**	**24.5**	**23.7**	**19.0**	**21.5**	**45.3**	**102**	**240**	**187**	**23.4**
	Cobalt	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Copper	50	270		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Iron	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Lead	63	1,000		**2,340** J	**461** J	**17.5** J	**23.5** J	**39.8** J	**39.9** J	**27.6** J	**21.5** J	**35.2** J	**174** J	**550** J	**5,170** J	**2,050** J	**5,220** J	**24.9** J
	Magnesium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Manganese	1,600	10,000**		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nickel	30	310		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Potassium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Selenium	3.9	1,500		9.2 U	10 U	5.7 U	6 U	5.9 U	6.1 U	5.7 U	5.6 U	5.1 U	5.3 U	**0.51** J	**1.7** J	**1.5** J	**1.9** J	5.7 U
	Silver	2	1,500		0.69 U	**0.70**	0.85 U	0.89 U	0.89 U	0.91 U	0.86 U	0.84 U	0.76 U	0.80 U	**0.66** J	**2.9**	**5.8**	**1.7**	0.85 U
	Sodium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Thallium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Vanadium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Zinc	109	10,000**		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Mercury	0.18	2.8		**3.9** J-	**0.27** J-	**0.043** J-	**0.057** J-	**0.063** J-	**0.082** J-	**0.083** J-	**0.072** J-	**0.048** J-	**0.068** J-	**0.20** J-	**0.62** J-	**0.93** J-	**0.41** J-	**0.053** J-
Pesticides																			
	4,4'-DDD	0.0033	92		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	4,4'-DDE	0.0033	62		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.079** J	0.43 U	N/A	N/A
	4,4'-DDT	0.0033	47		**0.110** NJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.190**	0.43 U	N/A	N/A
	Aldrin	0.005	0.68		**0.012** J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	alpha-BHC	0.02	3.4		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	alpha-Chlordane	0.094	24		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	beta-BHC	0.036	3		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	delta-BHC	0.04	500		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Dieldrin	0.005	1.4		**0.044**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	**0.18** J	N/A	N/A
	Endosulfan I	2.4	200		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.021** J	0.43 U	N/A	N/A
	Endosulfan II	2.4	200		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Endosulfan sulfate	2.4	200		**0.041** J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Endrin	0.014	89		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Endrin aldehyde	NS	NS		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Endrin ketone	NS	NS		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.030** J	**0.18** J	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.034** J	0.43 U	N/A	N/A
	gamma-Chlordane	NS	NS		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Heptachlor	0.042	15		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Heptachlor epoxide	NS	NS		0.038 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A
	Methoxychlor	NS	NS		**0.039**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	**0.37** J	N/A	N/A
	Toxaphene	NS	NS		0.380 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.093 U	0.43 U	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value
J- - Estimated value; biased low.
NJ - Estimated value; presumptive evidence of compound.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SCO.
PCBs - Polychlorinated biphenyls.
SCO - Soil Cleanup Objective.
(1) - SCO for Chromium (VI) used.
* - New York State Department of Enviromental Conservation,
** - The SCOs for corresponding metals were capped at 10,000 mg/kg.
Soil Cleanup Objectives, December 14, 2006.

Table 2c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Soil for PCBs, Metals, and Pesticides (April 2016)

				SAMPLE ID:	KTZ-SS-16	KTZ-SS-17	KTZ-SS-18	KTZ-SS-19	KTZ-SS-20	KTZ-SS-21	KTZ-SS-22	KTZ-SS-23	KTZ-SS-24	KTZ-SS-25	KTZ-SS-26	KTZ-SS-27	KTZ-SS-28	KTZ-SS-31	KTZ-SS-BLDG
				LABORATORY ID:	480-98508-16	480-98508-17	480-98588-1	480-98588-2	480-98588-3	480-98588-4	480-98588-5	480-98588-6	480-98588-7	480-119736-1	480-119736-2	480-119736-3	480-119736-4	480-119736-7	480-104148-7
				COLLECTION DATE:	4/18/2016	4/18/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/16/2017	6/16/2017	6/16/2017	6/16/2017	6/16/2017	8/4/2016
				UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYS	**PARAMETERS**	**Unrestricted Use SCO***	**Commercial Use SCO***		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
PCBs																			
	Aroclor 1016	NS	NS		0.28 U	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	0.24 U	0.19 U	0.24 U	0.24 U	0.25 U	0.23 U
	Aroclor 1221	NS	NS		0.28 U	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	0.24 U	0.19 U	0.24 U	0.24 U	0.25 UJ	0.23 U
	Aroclor 1232	NS	NS		0.28 U	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	0.24 U	0.19 U	0.24 U	0.24 U	0.25 U	0.23 U
	Aroclor 1242	NS	NS		**2.0**	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	0.24 U	0.19 U	0.24 U	0.24 U	0.25 U	**0.38**
	Aroclor 1248	NS	NS		0.28 U	**0.65**	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	**0.44**	0.19 U	0.24 U	0.24 U	0.25 U	0.23 U
	Aroclor 1254	NS	NS		0.28 U	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	**0.25**	0.19 U	**0.36**	0.24 U	**0.32**	**0.41**
	Aroclor 1260	NS	NS		0.28 U	0.29 U	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	0.24 U	0.19 U	**0.86**	**0.31**	0.25 U	**0.59** J
	Total PCBs	0.1	1		**2.0**	**0.65**	0.32 U	0.33 U	0.36 U	0.4 U	0.35 U	0.29 U	0.43 U	**0.69**	0.19 U	**1.22**	**0.31**	**0.32** J	**1.38** J
Metals, total																			
	Aluminium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**15,700**
	Antimony	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**19.8**
	Arsenic	13	16		**5.1**	**8.4**	**7.7**	**9.6**	**7.6**	**4.1**	**7.2**	**8.2**	**5.7**	N/A	N/A	N/A	N/A	N/A	**3.9**
	Barium	350	400		**118** J	**193** J	**96.4**	**125**	**133**	**142**	**45.7**	**88.4**	**308**	N/A	N/A	N/A	N/A	N/A	**59.6**
	Beryllium	7.2	590		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.21**
	Cadmium	2.5	9.3		**4.2**	**2.7**	**7.4**	**1.0**	**2.1**	**0.92**	0.26 U	0.27 U	**1.2**	N/A	N/A	N/A	N/A	N/A	**30**
	Calcium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**716**
	Chromium [(1)]	1	400		**20.5**	**27.1**	**15.4**	**21.2**	**22.4**	**19.2**	**15.2**	**22.6**	**30.0**	N/A	N/A	N/A	N/A	N/A	**23.9**
	Cobalt	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.9**
	Copper	50	270		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**969**
	Iron	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**22,300**
	Lead	63	1,000		**42.3** J	**137** J	**20.4**	**27.3**	**23.2**	**30.7**	**12.5**	**17.9**	**32.0**	N/A	N/A	N/A	N/A	N/A	**427**
	Magnesium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3,270**
	Manganese	1,600	10,000**		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**206**
	Nickel	30	310		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**24.9**
	Potassium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**550**
	Selenium	3.9	1,500		5.5 U	**0.63** U	**0.73** J	**1.4** J	6.4 U	7.5 U	**0.65** J	**0.80** J	**2.7** J	N/A	N/A	N/A	N/A	N/A	**1.9 J**
	Silver	2	1,500		0.82 U	0.92 U	0.78 U	0.93 U	0.95 U	1.1 U	0.79 U	0.80 U	1.1 U	N/A	N/A	N/A	N/A	N/A	**2**
	Sodium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**61 J**
	Thallium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.4 U
	Vanadium	NS	NS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**10.6**
	Zinc	109	10,000**		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**1,270**
	Mercury	0.18	2.8		**0.10** J-	**0.070** J-	**0.054**	**0.17**	**0.15**	**0.12**	**0.12**	**0.057**	**0.11**	N/A	N/A	N/A	N/A	N/A	**1.1**
Pesticides																			
	4,4'-DDD	0.0033	92		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDE	0.0033	62		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDT	0.0033	47		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Aldrin	0.005	0.68		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-BHC	0.02	3.4		N/A	N/A	N/A	**0.00094** J	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-Chlordane	0.094	24		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	beta-BHC	0.036	3		N/A	N/A	N/A	**0.0014** J	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	delta-BHC	0.04	500		N/A	N/A	N/A	**0.00094** J	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Dieldrin	0.005	1.4		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan I	2.4	200		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan II	2.4	200		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan sulfate	2.4	200		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin	0.014	89		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin aldehyde	NS	NS		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin ketone	NS	NS		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-Chlordane	NS	NS		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor	0.042	15		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor epoxide	NS	NS		N/A	N/A	N/A	0.0027 U	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Methoxychlor	NS	NS		N/A	N/A	N/A	**0.0015** J	N/A	N/A	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Toxaphene	NS	NS		N/A	N/A	N/A	0.027 U	N/A	N/A	N/A	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value
J- - Estimated value; biased low.
NJ - Estimated value; presumptive evidence of compound.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above the laboratory quantitation limit.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SCO.
PCBs - Polychlorinated biphenyls.
SCO - Soil Cleanup Objective.
(1) - SCO for Chromium (VI) used.
* - New York State Department of Enviromental Conservation,
** - The SCOs for corresponding metals were capped at 10,000 mg/kg.
Soil Cleanup Objectives, December 14, 2006.

Table 3a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for Volatile Organic Compounds (April 2016)

						SAMPLE ID:	KTZ-SW-1	KTZ-SW-2	KTZ-SW-3	KTZ-SW-4	KTZ-SW-5
						LABORATORY ID:	480-98588-13	480-98588-14	480-98588-15	480-98588-16	480-98588-17
						COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016
						SAMPLE MATRIX:	Water	Water	Water	Water	Water
						UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYSIS	**PARAMETERS**	**CAS #**	**Type A(A) Value***	**Type A(C) Value***	**Type H(FC) Value***	**Type W Value***	Results	Results	Results	Results	Results
VOCs											
	1,1,1,-Trichloroethane	71-55-6	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,1,2-Trichloroethane	79-00-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,1-Dichloroethene	75-35-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2,4-Trichlorobenzene	120-82-1	NS	5(b)	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2-Dibromoethane	106-93-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2-Dichlorobenzene	95-50-1	NS	5(a)	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2-Dichloroethane	107-06-2	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,2-Dichloropropane	78-87-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,3-Dichlorobenzene	541-73-1	NS	5(a)	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	1,4-Dichlorobenzene	106-46-7	NS	5(a)	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	10 U	N/A	10 U	N/A	10 U
	2-Hexanone	591-78-6	NS	NS	NS	NS	5.0 U	N/A	5.0 U	N/A	5.0 U
	4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	5.0 U	N/A	5.0 U	N/A	5.0 U
	Acetone	67-64-1	NS	NS	NS	NS	10 U	N/A	10 U	N/A	10 U
	Benzene	71-43-2	760	210	10	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Bromodichloromethane	75-27-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Bromoform	75-25-2	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Bromomethane	74-83-9	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Carbon disulfide	75-15-0	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Carbon tetrachloride	56-23-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Chlorobenzene	108-90-7	NS	5	400	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Chloroethane	75-00-3	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Chloroform	67-66-3	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Chloromethane	74-87-3	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	cis-1,2-Dichloroethene	156-59-2	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Cyclohexane	110-82-7	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Dibromochloromethane	124-48-1	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Dichlorodifluoromethane	75-71-8	NS	NS	NS	NS	1.0 UJ	N/A	1.0 UJ	N/A	1.0 UJ
	Ethylbenzene	100-41-4	150	17	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Isopropylbenzene	98-82-8	23	2.6	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Methyl acetate	79-20-9	NS	NS	NS	NS	2.5 U	N/A	2.5 U	N/A	2.5 U
	Methyl tert-butyl ether	1634-04-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Methylcyclohexane	108-87-2	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Methylene chloride	75-09-2	NS	NS	200	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Styrene	100-42-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Tetrachloroethene	127-18-4	NS	NS	1	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Toluene	108-88-3	480	100	6,000	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	trans-1,2-Dichloroethene	156-60-5	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Trichloroethene	79-01-6	NS	NS	40	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Trichlorofluoromethane	75-69-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Vinyl chloride	75-01-4	NS	NS	NS	NS	1.0 U	N/A	1.0 U	N/A	1.0 U
	Xylenes, Total	1330-20-7	590(c)	65(c)	NS	NS	2.0 U	N/A	2.0 U	N/A	2.0 U

Notes:

µg/L - Micrograms per liter
NS - No NYSDEC standards exist for this analyte.
N/A - Sample not analyzed for the listed analyte
U - Analyte was not detected above laboratory quantitation limit
UJ - Estimated non-detect.
* - NYSDEC Ambient Water Quality Standards and Guidance Values.

Table 3b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for Semivolatile Organic Compounds (April 2016)

						SAMPLE ID:	KTZ-SW-1	KTZ-SW-2	KTZ-SW-3	KTZ-SW-4	KTZ-SW-5
						LABORATORY ID:	480-98588-13	480-98588-14	480-98588-15	480-98588-16	480-98588-17
						COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016
						SAMPLE MATRIX:	Water	Water	Water	Water	Water
						UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYSIS	**PARAMETERS**	**CAS #**	**Type A(A) Value***	**Type A(C) Value***	**Type H(FC) Value***	**Type W Value***	Results	Results	Results	Results	Results
SVOCs											
	1,4-Dichlorobenzene	106-46-7	NS	5(a)	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2,4-Dichlorophenol	120-83-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2,4-Dimethylphenol	105-67-9	NS	NS	1,000	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2,4-Dinitrophenol	51-28-5	NS	NS	400	NS	9.4 UJ	9.6 UJ	9.4 UJ	9.5 UJ	9.7 UJ
	2,4-Dinitrotoluene	121-14-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2,6-Dinitrotoluene	606-20-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2-Chloronaphthalene	91-58-7	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2-Chlorophenol	95-57-8	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2-Methylnaphthalene	91-57-6	42	4.7	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2-Methylphenol	95-48-7	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	2-Nitroaniline	88-74-4	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	2-Nitrophenol	88-75-5	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	3-Methylphenol	108-39-4	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	3-Nitroaniline	99-09-2	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	NS	NS	9.4 UJ	9.6 UJ	9.4 UJ	9.5 UJ	9.7 UJ
	4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	4-Chloro-3-methylphenol	59-50-7	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	4-Chloroaniline	106-47-8	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	4-Methylphenol	106-44-5	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	4-Nitroaniline	100-01-6	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	4-Nitrophenol	100-02-7	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	Acenaphthene	83-32-9	48	5.3	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Acenaphthylene	208-96-8	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Acetophenone	98-86-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Anthracene	120-12-7	35	3.8	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Atrazine	1912-24-9	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzaldehyde	100-52-7	NS	NS	NS	NS	4.7 UJ	4.8 UJ	4.7 UJ	4.8 UJ	4.8 UJ
	Benzo[a]anthracene	56-55-3	0.23	0.03	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzo[a]pyrene	50-32-8	NS	NS	0.0012	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzo[b]fluoranthene	205-99-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzo[g,h,i]perylene	191-24-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzo[k]fluoranthene	207-08-9	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Benzyl butyl phthalate	85-68-7	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Biphenyl	92-52-4	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Bis(2-chloroethyl)ether	111-44-4	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Bis(2-chloroisopropyl)ether	108-60-1	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Bis(2-ethylhexyl)phthalate	117-81-7	NS	0.6	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Caprolactam	105-60-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Carbazole	86-74-8	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Chrysene	218-01-9	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Dibenz(a,h)anthracene	53-70-3	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Dibenzofuran	132-64-9	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	Diethyl phthalate	84-66-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Dimethyl phthalate	131-11-3	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Di-n-butyl phthalate	84-74-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Fluoranthene	206-44-0	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Fluorene	86-73-7	4.8	0.54	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Hexachlorobenzene	118-74-1	NS	NS	0.00003	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Hexachlorobutadiene	87-68-3	10	1	0.01	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Hexachlorocyclopentadiene	77-47-4	4.5	0.45	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Hexachloroethane	67-72-1	NS	NS	0.6	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Indeno[1,2,3-cd]pyrene	193-39-5	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Isophorone	78-59-1	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Naphthalene	91-20-3	110	13	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Nitrobenzene	98-95-3	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	N-Nitrosodi-n-propylamine	621-64-7	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	N-Nitrosodiphenylamine	86-30-6	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Pentachlorophenol	87-86-5	NS	NS	NS	NS	9.4 U	9.6 U	9.4 U	9.5 U	9.7 U
	Phenanthrene	85-01-8	45	5	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Phenol	108-95-2	NS	NS	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
	Pyrene	129-00-0	42	4.6	NS	NS	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U

Table 3b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for Semivolatile Organic Compounds (April 2016)

						SAMPLE ID:	KTZ-SW-1	KTZ-SW-2	KTZ-SW-3	KTZ-SW-4	KTZ-SW-5
						LABORATORY ID:	480-98588-13	480-98588-14	480-98588-15	480-98588-16	480-98588-17
						COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016
						SAMPLE MATRIX:	Water	Water	Water	Water	Water
						UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYSIS	**PARAMETERS**	**CAS #**	**Type A(A) Value***	**Type A(C) Value***	**Type H(FC) Value***	**Type W Value***	Results	Results	Results	Results	Results
SVOCs	Pyridine	110-86-1	NS	NS	NS	NS	23 U	24 U	**0.40** J	24 U	24 U

Notes:

µg/L - Micrograms per liter
J - Estimated value
ND - Not detected.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values.
A(A) - Fish Survival (fresh waters).
A(C) - Fish Propagation (fresh waters).
H(FC) - Human Consumption of Fish (fresh waters).
W - Wildlife Protection (fresh waters).
(a) - Applies to the sum of 1,2-, 1,3-, and 1,4-dichlorobenzene.

Table 3c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for PCBs and Pesticides (April 2016)

						SAMPLE ID:	KTZ-SW-1	KTZ-SW-2	KTZ-SW-3	KTZ-SW-4	KTZ-SW-5
						LABORATORY ID:	480-98588-13	480-98588-14	480-98588-15	480-98588-16	480-98588-17
						COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016
						SAMPLE MATRIX:	Water	Water	Water	Water	Water
						UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYSIS	**PARAMETERS**	**CAS #**	**Type A(A) Value***	**Type A(C) Value***	**Type H(FC) Value***	**Type W Value***	Results	Results	Results	Results	Results
PCBs											
	Aroclor 1016	12674-11-2	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1221	11104-28-2	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1232	11141-16-5	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1242	53469-21-9	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1248	12672-29-6	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1254	11097-69-1	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Aroclor 1260	11096-82-5	NS	NS	NS	NS	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
	Total PCBs	1336-36-3	NS	NS	0.000006	0.00012	0.51 U	0.47 U	0.48 U	0.48 U	0.48 U
Pesticides											
	4,4'-DDD	72-54-8	NS	NS	0.00008	0.000011(c)	**0.0092** J	N/A	0.047 U	N/A	**0.013** J
	4,4'-DDE	72-55-9	NS	NS	0.000007	0.000011(c)	0.048 U	N/A	0.047 U	N/A	0.048 U
	4,4'-DDT	50-29-3	NS	NS	0.00001	0.000011(c)	0.048 U	N/A	0.047 U	N/A	0.048 U
	Aldrin	309-00-2	NS	NS	0.001(d)	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	alpha-BHC	319-84-6	NS	NS	0.002	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	alpha-Chlordane	5103-71-9	NS	NS	0.00002(a)	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	beta-BHC	319-85-7	NS	NS	0.007	NS	0.048 U	N/A	0.047 U	N/A	**0.054**
	delta-BHC	319-86-8	NS	NS	0.008	NS	**0.013** J	N/A	0.047 U	N/A	**0.015** J
	Dieldrin	60-57-1	0.24	0.056	6.0E-07	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endosulfan I	959-98-8	0.22(b)	0.009(b)	NS	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endosulfan II	33213-65-9	0.22(b)	0.009(b)	NS	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endosulfan sulfate	1031-07-8	0.22(b)	0.009(b)	NS	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endrin	72-20-8	0.086	0.036	0.002	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endrin aldehyde	7421-93-4	NS	NS	NS	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Endrin ketone	53494-70-5	NS	NS	NS	NS	0.048 U	N/A	**0.011** J	N/A	**0.017** J
	gamma-BHC (Lindane)	58-89-9	NS	NS	0.008	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	gamma-Chlordane	5103-74-2	NS	NS	0.00002(a)	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Heptachlor	76-44-8	NS	NS	0.0002	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Heptachlor epoxide	1024-57-3	NS	NS	0.0003	NS	0.048 U	N/A	0.047 U	N/A	0.048 U
	Methoxychlor	72-43-5	NS	0.03	NS	NS	0.048 U	N/A	0.047 U	N/A	**0.046** J
	Toxaphene	8001-35-2	1.6	0.005	0.000006	NS	0.48 U	N/A	0.047 U	N/A	0.48 U

Notes:
µg/L - Micrograms per liter
J - Estimated value
NS - No NYSDEC standards exist for this analyte.
N/A - Sample not analyzed for the listed analyte
U - Analyte was not detected above laboratory quantitation limit
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the listed Value.
* - NYSDEC Ambient Water Quality Standards and Guidance Values.
A(A) - Fish Survival (fresh waters).
A(C) - Fish Propagation (fresh waters).
H(FC) - Human Consumption of Fish (fresh waters).
W - Wildlife Protection (fresh waters).
(a) - Criteria for chlordane used.
(b) - Criteria for endosulfan used.
(c) - Applies to the sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT.
(d) - Applies to the sum of aldrin and dieldrin.

Table 3d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for Metals (April 2016)

ANALYSIS	PARAMETERS	CAS #	Type A(A) Value*	Type A(C) Value*	Type H(FC) Value*	Type W Value*	SAMPLE ID: KTZ-SW-1	KTZ-SW-2	KTZ-SW-3	KTZ-SW-4	KTZ-SW-5
							LABORATORY ID: 480-98588-13	480-98588-14	480-98588-15	480-98588-16	480-98588-17
							COLLECTION DATE: 4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016
							SAMPLE MATRIX: Water	Water	Water	Water	Water
							UNITS: µg/L	µg/L	µg/L	µg/L	µg/L
							Results	Results	Results	Results	Results
Metals, total											
	Aluminium	7429-90-5	NS	100	NS	NS	200 U	200 U	200 U	**64** J	200 U
	Antimony	7440-36-0	NS	NS	NS	NS	20 U	20 U	20 U	20 U	20 U
	Arsenic	7440-38-2	340(a)	150(a)	NS	NS	15 U	15 U	15 U	15 U	15 U
	Barium	7440-39-3	NS	NS	NS	NS	**22**	**21**	**18**	**18**	**13**
	Beryllium	7440-41-7	NS	11**	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Cadmium	7440-43-9	2.8**	1.7**	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Calcium	7440-70-2	NS	NS	NS	NS	**22,800**	**24,500**	**27,900**	**25,300**	**14,600**
	Chromium	7440-47-3	56**	450**	NS	NS	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
	Cobalt	7440-48-4	NS	5	NS	NS	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
	Copper	7440-50-8	10.2**	6.7**	NS	NS	10 U	10 U	10 U	10 U	10 U
	Iron	7439-89-6	NS	300	NS	NS	**470**	**420**	**330**	**260**	**300**
	Lead	7439-92-1	70.9**	2.8**	NS	NS	10 U	10 U	10 U	10 U	10 U
	Magnesium	7439-95-4	NS	NS	NS	NS	**7,100**	**8,600**	**11,200**	**12,600**	**4,400**
	Manganese	7439-96-5	NS	NS	NS	NS	**26**	**16**	**32**	**16**	**39**
	Mercury	7439-97-6	1.4(a)	0.77(a)	0.0007(a)	0.0026(a)	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Nickel	7440-02-0	367	40.8	NS	NS	10 U	10 U	10 U	10 U	10 U
	Potassium	7440-09-7	NS	NS	NS	NS	**3,400**	**3,100**	**2,300**	**2,400**	**1,100**
	Selenium	7782-49-2	NS	4.6(a)	NS	NS	25 U	25 U	25 U	25 U	25 U
	Silver	7440-22-4	NS	0.1(b)	NS	NS	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
	Sodium	7440-23-5	NS	NS	NS	NS	**32,000**	**27,200**	**20,900**	**19,700**	**4,200**
	Thallium	7440-28-0	NS	8	NS	NS	20 U	20 U	20 U	20 U	20 U
	Vanadium	7440-62-2	NS	14	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Zinc	7440-66-6	91.8(a)**	64.7(a)**	NS	NS	**3.4** J	**3.6** J	**5.0** J	**3.8** J	**5.3** J

Notes:
µg/L - Micrograms per liter
J - Estimated value
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit
Shading indicates results are equal to or above the listed Value.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C waters.
A(A) - Fish Survival (fresh waters).
A(C) - Fish Propagation (fresh waters).
H(FC) - Human Consumption of Fish (fresh waters).
W - Wildlife Protection (fresh waters).
(a) - Value for dissolved form used.
(b) - Value for ionic silver used.
**Values are calculated based on hardness; value assumes hardness is less than or equal to 75,000 ug/L.

Table 3e
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Surface Water for Dioxins (April 2016)

					SAMPLE ID:	KTZ-SW-1		KTZ-SW-3		KTZ-SW-5	
					LABORATORY ID:	480-98588-13		480-98588-15		480-98588-17	
					COLLECTION DATE:	4/19/2016		4/19/2016		4/19/2016	
					UNITS:	pg/L		pg/L		pg/L	
PARAMETERS	**Type H(FC) Value***	**Type W Value***	**TEF**	**BEF**	**Results**		**Results**		**Results**	
2,3,7,8-TCDD	NS	0.0031	1	1	11	U	9.4	U	11	U
1,2,3,7,8-PeCDD	NS	NS	0.5	0.9	56	U	47	U	54	U
1,2,3,4,7,8-HxCDD	NS	NS	0.1	0.3	56	U	47	U	54	U
1,2,3,6,7,8-HxCDD	NS	NS	0.1	0.1	56	U	47	U	54	U
1,2,3,7,8,9-HxCDD	NS	NS	0.1	0.1	56	U	47	U	54	U
1,2,3,4,6,7,8-HpCDD	NS	NS	0.01	0.05	**1.5**	J	**0.99**	J	54	U
OCDD	NS	NS	0.001	0.01	**5.8**	J	**4.1**	J	2.7	U
2,3,7,8-TCDF	NS	NS	0.1	0.8	56	U	9.4	U	11	U
1,2,3,7,8-PeCDF	NS	NS	0.05	0.2	56	U	47	U	54	U
2,3,4,7,8-PeCDF	NS	NS	0.5	1.6	56	U	47	U	54	U
1,2,3,4,7,8-HxCDF	NS	NS	0.1	0.08	56	U	47	U	54	U
1,2,3,6,7,8-HxCDF	NS	NS	0.1	0.2	**3.3**	J	**5.3**	J	54	U
2,3,4,6,7,8-HxCDF	NS	NS	0.1	0.7	56	U	47	U	54	U
1,2,3,7,8,9-HxCDF	NS	NS	0.1	0.6	56	U	47	U	54	U
1,2,3,4,6,7,8-HpCDF	NS	NS	0.01	0.01	**1.5**	J	**0.93**	J	0.44	U
1,2,3,4,7,8,9-HpCDF	NS	NS	0.01	0.4	**0.6**	J	47	U	54	U
OCDF	NS	NS	0.001	0.02	2.9	U	1.7	U	1.2	U
2,3,7,8-TCDD equivalent	0.0006	NS	-	-	**0.069**		**0.107**		-	

Notes:

J - Estimated value.

U - Analyte was not detected above laboratory quantitation limit.

pg/L - Picograms per liter

NS - No NYSDEC standards exist for this analyte.

Values in **bold** indicate the analyte was detected.

* - NYSDEC Ambient Water Quality Standards and Guidance Values.

Table 4a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Sediment for Volatile Organic Compounds (April/June 2016)

	SAMPLE ID:	KTZ-SD-1	KTZ-SD-2	KTZ-SD-3	KTZ-SD-4	KTZ-SD-5	KTZ-SD-6	KTZ-SD-7	KTZ-SD-8
	LABORATORY ID:	480-98588-8	480-98588-9	480-98588-10	480-98588-11	480-98588-12	480-101435-1	480-101435-2	480-101435-3
	COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/9/2016	6/9/2016	6/9/2016
	UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Class C SGV (mg/kg)**	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane [1]	> 3.5	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
1,1,2,2-Tetrachloroethane	> 5.4	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,1,2-Trichloroethane [1]	> 3.5	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
1,1-Dichloroethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,1-Dichloroethene	> 4.7	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2,4-Trichlorobenzene	> 55	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2-Dibromo-3-Chloropropane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2-Dichlorobenzene	2.5	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2-Dichloroethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2-Dichloropropane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,3-Dichlorobenzene	> 7.1	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,4-Dichlorobenzene	> 3.3	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
2-Butanone (MEK)	NS	**0.064**	N/A	0.46 UJ	N/A	**0.009** J	N/A	N/A	N/A
2-Hexanone	NS	0.041 U	N/A	0.46 UJ	N/A	0.037 U	N/A	N/A	N/A
4-Methyl-2-pentanone (MIBK)	NS	0.041 U	N/A	0.46 UJ	N/A	0.037 U	N/A	N/A	N/A
Acetone	NS	**0.072**	N/A	0.46 UJ	N/A	0.037 U	N/A	N/A	N/A
Benzene	> 1.9	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Bromodichloromethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Bromoform	NS	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
Bromomethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Carbon Disulfide	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Carbon tetrachloride	> 9.6	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
Chlorobenzene	> 1.7	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Dibromochloromethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Chloroethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Chloroform	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Chloromethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
cis-1,2-Dichloroethene	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
cis-1,3-Dichloropropene	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Cyclohexane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Dichlorodifluoromethane	NS	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
Ethylbenzene	> 3.7	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
1,2-Dibromoethane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Isopropylbenzene	> 1.8	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Methyl acetate	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Methyl-tert-butyl-ether	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Methylcyclohexane	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Methylene chloride	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Styrene	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Tetrachloroethene	> 57	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Toluene	> 4.5	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
trans-1,2-Dichloroethene	> 11	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
trans-1,3-Dichloropropene	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Trichloroethene	> 8.6	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Trichlorofluoromethane	NS	0.0083 UJ	N/A	0.092 UJ	N/A	0.0074 UJ	N/A	N/A	N/A
Vinyl chloride	NS	0.0083 U	N/A	0.092 UJ	N/A	0.0074 U	N/A	N/A	N/A
Xylenes, Total [2]	> 5.2	0.017 U	N/A	0.18 UJ	N/A	0.015 U	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
SGV - Freshwater Sediment Guidance Values from NYSDEC "Screening and Assessment of Contaminated Sediment", Table 5, June 24, 2014.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
VOCs - Volatile organic compounds.
[1] - SGV is for sum of trichloroethane isomers.
[2] - SGV is for mixed xylenes.

Table 4b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds (April/June 2016)

	SAMPLE ID:	KTZ-SD-1	KTZ-SD-2	KTZ-SD-3	KTZ-SD-4	KTZ-SD-5	KTZ-SD-6	KTZ-SD-7	KTZ-SD-8
	LABORATORY ID:	480-98588-8	480-98588-9	480-98588-10	480-98588-11	480-98588-12	480-101435-1	480-101435-2	480-101435-3
	COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/9/2016	6/9/2016	6/9/2016
	UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Class C SGV (mg/kg)**	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
bis (2-chloroisopropyl) ether	NS	0.26 UJ	0.24 UJ	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,4,5-Trichlorophenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,4,6-Trichlorophenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,4-Dichlorophenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,4-Dimethylphenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,4-Dinitrophenol	NS	2.5 U	2.3 U	28 UJ	2.4 U	2.5 U	N/A	N/A	N/A
2,4-Dinitrotoluene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2,6-Dinitrotoluene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2-Chloronaphthalene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2-Chlorophenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
o-cresol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2-Methylnaphthalene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
2-Nitroalanine	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
2-Nitrophenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
3,3'-Dichlorobenzidine	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
3-Nitroaniline	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
4-Bromophenyl phenyl ether	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
4-Chloro-3-methylphenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
4-Chloroaniline	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
4-Chlorophenyl phenyl ether	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
p-cresol	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
4-Nitroaniline	NS	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
4-Nitrophenol	NS	0.5 UJ	0.46 UJ	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
Acenaphthene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Acenaphthylene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Acetophenone	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Anthracene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Atrazine	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Benzaldehyde	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Benzo(a)anthracene	NS	0.26 U	**0.066** J	**0.63** J	**0.044** J	0.26 U	**0.031** J	**0.027** J	0.3 U
Benzo(a)pyrene	NS	0.26 U	**0.051** J	**0.47** J	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Benzo(b)fluoranthene	NS	0.26 UJ	**0.11** J	**0.62** J	0.25 U	0.26 U	0.25 U	**0.041** J	0.3 U
Benzo(g,h,i)perylene	NS	0.26 U	**0.076** J	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Benzo(k)fluoranthene	NS	0.26 U	0.24 UJ	**0.45** J	0.25 U	0.26 U	0.25 U	0.26 UJ	0.3 U
Bis(2-chloroethoxy)methane	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Bis(2-chloroethyl)ether	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Bis(2-ethylhexyl)phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Butyl benzyl phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Caprolactam	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Carbazole	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Chrysene	NS	0.26 U	**0.073** J	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Dibenz(a,h)anthracene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Di-n-butyl phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Di-n-octyl phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Dibenzofuran	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Diethyl phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Dimethyl phthalate	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Fluoranthene	NS	0.26 U	**0.14** J	**1.2** J	**0.091** J	**0.042** J	**0.08** J	**0.057** J	0.3 U
Fluorene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Hexachlorobenzene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Hexachlorobutadiene	> 12	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Hexachlorocyclopentadiene	> 8.1	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Hexachloroethane	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Indeno[1,2,3-cd]pyrene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U
Isophorone	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
N-Nitrosoi-n-propylamine	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
N-Nitrosodiphenylamine	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Naphthalene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	0.25 U	0.26 U	0.3 U

Table 4b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds (April/June 2016)

	SAMPLE ID:	KTZ-SD-1	KTZ-SD-2	KTZ-SD-3	KTZ-SD-4	KTZ-SD-5	KTZ-SD-6	KTZ-SD-7	KTZ-SD-8
	LABORATORY ID:	480-98588-8	480-98588-9	480-98588-10	480-98588-11	480-98588-12	480-101435-1	480-101435-2	480-101435-3
	COLLECTION DATE:	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/9/2016	6/9/2016	6/9/2016
	UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Class C SGV (mg/kg)**	Results	Results	Results	Results	Results	Results	Results	Results
Nitrobenzene	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Pentachlorophenol	> 19	0.5 U	0.46 U	5.5 UJ	0.48 U	0.5 U	N/A	N/A	N/A
Phenanthrene	NS	0.26 U	**0.095** J	**0.79** J	**0.06** J	0.26 U	**0.066** J	**0.051** J	0.3 U
Phenol	NS	0.26 U	0.24 U	2.8 UJ	0.25 U	0.26 U	N/A	N/A	N/A
Pyrene	NS	0.26 U	**0.14** J	**0.98** J	**0.072** J	**0.039** J	**0.061** J	**0.041** J	0.3 U
Total PAH*	> 35	0.26 UJ	**0.751** J	**5.1** J	**0.267** J	**0.081** J	**0.238** J	**0.217** J	0.3 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed compound.
NS - No NYSDEC standards exist for this analyte.
SGV - Freshwater Sediment Guidance Values from NYSDEC "Screening and Assessment of Contaminated Sediment", Table 5, June 24, 2014.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
PAH - Polycyclic Aromatic Hydrocarbons.
SVOCs - Semivolatile Organic Compounds.
* - Total PAH is a calculated value that assigns a value of zero to any parameter which was not detected above the quantitation limit.

Table 4c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Sediment for PCBs, Metals, and Pesticides (April/June 2016)

ANALYSIS	PARAMETERS	Class C SGV (mg/kg)	SAMPLE ID: KTZ-SD-1	KTZ-SD-2	KTZ-SD-3	KTZ-SD-4	KTZ-SD-5	KTZ-SD-6	KTZ-SD-7	KTZ-SD-8
			LABORATORY ID: 480-98588-8	480-98588-9	480-98588-10	480-98588-11	480-98588-12	480-101435-1	480-101435-2	480-101435-3
			COLLECTION DATE: 4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	6/9/2016	6/9/2016	6/9/2016
			UNITS: mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCBs										
	Aroclor 1016	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1221	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1232	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1242	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1248	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1254	NS	0.28 U	0.25 U	2.9 UJ	0.30 U	0.30 U	0.34 U	0.32 U	0.36 U
	Aroclor 1260	NS	0.28 U	0.25 U	2.9 UJ	**0.78**	**0.81**	0.34 U	0.32 U	0.36 U
	Total PCBs	> 1.0	0.28 U	0.25 U	2.9 UJ	**0.78**	**0.81**	0.34 U	0.32 U	0.36 U
Metals, total										
	Aluminum	NS	N/A	N/A	N/A	N/A	N/A	**27,200**	**25,600**	**29,800**
	Antimony	NS	N/A	N/A	N/A	N/A	N/A	23.1 U	22.9 U	27.8 U
	Arsenic	> 33	**5.7**	**8.7**	**67** J	**8.4**	**7.7**	**7.2**	**6.6**	**4.5**
	Barium	NS	**93.9**	**105**	**1340** J	**143**	**139**	**142**	**127**	**223**
	Beryllium	NS	N/A	N/A	N/A	N/A	N/A	**0.63**	**0.59**	**0.69**
	Cadmium	> 5.0	**0.19** J	**0.33**	**1.2** J	**0.083** J	**0.19** J	**0.36**	**0.37**	**0.56**
	Calcium	NS	N/A	N/A	N/A	N/A	N/A	**1,490**	**1,090**	**2,070**
	Chromium	> 110	**19.1**	**20.3**	**248** J	**28.2**	**24.6**	**23.6**	**22.7**	**24.7**
	Cobalt	NS	N/A	N/A	N/A	N/A	N/A	**10.3**	**10.8**	**10.5**
	Copper	> 150	N/A	N/A	N/A	N/A	N/A	**18.0**	**17.5**	**22.6**
	Iron	NS	N/A	N/A	N/A	N/A	N/A	**30,000**	**30,200**	**23,600**
	Lead	> 130	**17**	**28.7**	**235** J	**16.9**	**27.4**	**19.9**	**14.1**	**25.8**
	Magnesium	NS	N/A	N/A	N/A	N/A	N/A	**5,690**	**5,890**	**5,110**
	Manganese	NS	N/A	N/A	N/A	N/A	N/A	**295**	**327**	**339**
	Nickel	> 49	N/A	N/A	N/A	N/A	N/A	**26.3**	**28.1**	**23.9**
	Potassium	NS	N/A	N/A	N/A	N/A	N/A	**1,900**	**1,820**	**2,550**
	Selenium	NS	61 U	5.4 U	62.8 UJ	**0.67** J	**0.7** J	6.2 U	6.1 U	7.4 U
	Silver	> 2.2	0.92 U	0.81 U	9.4 UJ	0.92 U	0.93 U	0.92 U	0.91 U	1.1 U
	Sodium	NS	N/A	N/A	N/A	N/A	N/A	216 U	213 U	260 U
	Thallium	NS	N/A	N/A	N/A	N/A	N/A	9.2 U	9.1 U	11.1 U
	Vanadium	NS	N/A	N/A	N/A	N/A	N/A	**28**	**24.6**	**29.4**
	Zinc	> 460	N/A	N/A	N/A	N/A	N/A	**93.2**	**90.4**	**126**
	Mercury	> 1.0	**0.049**	**0.068**	**0.86** J	**0.068**	**0.080**	**0.077**	**0.064**	**0.13**
Pesticides										
	4,4'-DDD	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	4,4'-DDE	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	4,4'-DDT	> 48	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Aldrin	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	alpha-BHC	NS	0.0025 U	N/A	**0.0077** J	N/A	0.0026 U	N/A	N/A	N/A
	alpha-Chlordane	> 38*	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	beta-BHC	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	delta-BHC	NS	**0.00063** J	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Dieldrin	> 0.78	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Endosulfan I	> 0.02**	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Endosulfan II	> 0.02**	0.0025 U	N/A	0.028 UJ	N/A	**0.0017** J	N/A	N/A	N/A
	Endosulfan sulfate	> 0.02**	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Endrin	> 0.22	0.0025 U	N/A	0.028 UJ	N/A	**0.0020** J	N/A	N/A	N/A
	Endrin aldehyde	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Endrin ketone	NS	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	gamma-BHC (Lindane)	> 0.078	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	gamma-Chlordane	> 38*	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Heptachlor	> 10	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Heptachlor epoxide	> 2.1	0.0025 U	N/A	0.028 UJ	N/A	0.0026 U	N/A	N/A	N/A
	Methoxychlor	NS	0.0025 U	N/A	0.028 UJ	N/A	**0.0017** J	N/A	N/A	N/A
	Toxaphene	> 0.25	0.025 U	N/A	0.28 UJ	N/A	0.026 U	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
SGV - Freshwater Sediment Guidance Values from NYSDEC "Screening and Assessment of Contaminated Sediment", Table 5, June 24, 2014.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SGV.
PCBs - Polychlorinated biphenyls.
* Value for chlordane used.
** Value for endosulfan used.

Table 4d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Sediment for Dioxins (April 2016)

			SAMPLE ID:	KTZ-SD-1		KTZ-SD-3		KTZ-SD-5		
			LABORATORY ID:	480-98588-8		480-98588-10		480-98588-12		
			COLLECTION DATE:	4/19/2016		4/19/2016		4/19/2016		
			UNITS:	pg/g		pg/g		pg/g		
PARAMETERS	**TEF**	**BEF**	**Results**		**TEQ**	**Results**		**TEQ**	**Results**		**TEQ**
2,3,7,8-TCDD	1	1	1.5	U	U	1.8	U	U	1.9	U	U
1,2,3,7,8-PeCDD	0.5	0.9	**0.38**	J	**0.171**	**0.44**	J	**0.198**	**59.0**	J	**26.55**
1,2,3,4,7,8-HxCDD	0.1	0.3	**0.31**	J	**0.0093**	8.9	U	U	**0.63**	J	**0.0189**
1,2,3,6,7,8-HxCDD	0.1	0.1	**0.54**	J	**0.0054**	**0.89**	J	**0.0089**	**1.3**	J	**0.013**
1,2,3,7,8,9-HxCDD	0.1	0.1	**0.72**	J	**0.0072**	**1.5**	J	**0.015**	**1.8**	J	**0.018**
1,2,3,4,6,7,8-HpCDD	0.01	0.05	**7.0**	J	**0.0035**	**14**		**0.007**	**20.0**		**0.01**
OCDD	0.001	0.01	**35**		**0.00035**	**88**		**0.00088**	**95.0**		**0.00095**
2,3,7,8-TCDF	0.1	0.8	**2.5**		**0.2**	**3.5**	J	**0.28**	**12.0**		**0.96**
1,2,3,7,8-PeCDF	0.05	0.2	**0.79**	J	**0.0079**	**1.3**	J	**0.013**	**3.5**	J	**0.035**
2,3,4,7,8-PeCDF	0.5	1.6	**1.8**	J	**1.44**	**2.2**	J	**1.76**	**10.0**		**8**
1,2,3,4,7,8-HxCDF	0.1	0.08	**3.3**	J	**0.0264**	**4.2**	J	**0.0336**	**12.0**	J	**0.096**
1,2,3,6,7,8-HxCDF	0.1	0.2	**1.8**	J	**0.036**	**1.4**	J	**0.028**	**3.7**	J	**0.074**
2,3,4,6,7,8-HxCDF	0.1	0.7	**2.1**	J	**0.147**	**1.8**	J	**0.126**	**4.4**	J	**0.308**
1,2,3,7,8,9-HxCDF	0.1	0.6	7.5	U	U	8.9	U	U	9.5	U	U
1,2,3,4,6,7,8-HpCDF	0.01	0.01	**6.6**	J	**0.00066**	**9.5**		**0.00095**	**16.0**		**0.0016**
1,2,3,4,7,8,9-HpCDF	0.01	0.4	**0.75**	J	**0.003**	**0.74**	J	**0.00296**	**1.8**	J	**0.0072**
OCDF	0.001	0.02	**6.0**	J	**0.00012**	**13**	J	**0.00026**	**16**	J	**0.00032**
	Class A SGV (pg/g)		**TEQ**			**TEQ**			**TEQ**		
Total TEQ	0.5		**2.06**			**2.47**			**36.1**		

Notes:

J - Estimated value.

U - Analyte was not detected at specified quantitation limit.

pg/g - Picograms per gram (dry weight).

BEF - Bioaccumulation equivalency factors.

TEF - Toxicity equivalency factors.

TEQ - Toxic equivalency.

SGV - Sediment Guidance Values from NYSDEC "Screening and Assessment of Contaminated Sediment", June 24, 2014.

Values in **bold** indicate the analyte was detected.

Shading indicates results are equal to or above the corresponding SGV.

Table 5a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Volatile Organic Compounds (July 2016)

		SAMPLE ID:	KTZ-SB-1-2'	KTZ-SB-1-9'	KTZ-SB-2-3'	KTZ-SB-2-7'	KTZ-SB-2-15'	KTZ-SB-3-6'	KTZ-SB-3-10'	KTZ-SB-4-2.5'	KTZ-SB-4-6'	KTZ-SB-5-3'	KTZ-SB-5-6'	KTZ-SB-6-2'	KTZ-SB-6-9'	KTZ-SB-7-4'	KTZ-SB-8-5'
		LABORATORY ID:	480-102778-8	480-102778-9	480-102707-9	480-102707-11	480-102707-10	480-102707-2	480-102707-3	480-102707-4	480-102707-1	480-102707-6	480-102707-8	480-102859-1	480-102859-2	480-103005-3	480-102778-3
		SAMPLE DEPTH (FT.):	2	9	3	7	15	6	10	2.5	6	3	6	2	9	4	5
		COLLECTION DATE:	7/7/2016	7/7/2016	7/5/2016	7/5/2016	7/5/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/8/2016	7/8/2016	7/11/2016	7/7/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,1,2-Trichloroethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,1-Dichloroethane	0.27	240	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,1-Dichloroethene	0.33	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,2,4-Trichlorobenzene	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 UJ	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,2-Dichlorobenzene	1.1	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 U
1,2-Dichloroethane	0.02	30	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,2-Dichloropropane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,3-Dichlorobenzene	2.4	280	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,4-Dichlorobenzene	1.8	130	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
2-Butanone (MEK)	0.12	500	0.02 U	0.022 U	N/A	N/A	N/A	0.027 U	0.027 U	0.32 U	0.023 U	N/A	N/A	0.027 U	0.025 U	N/A	0.025 U
2-Hexanone	NS	NS	0.02 U	0.022 U	N/A	N/A	N/A	0.027 U	0.027 U	0.32 U	0.023 U	N/A	N/A	0.027 U	0.025 U	N/A	0.025 U
4-Methyl-2-pentanone (MIBK)	NS	NS	0.02 U	0.022 U	N/A	N/A	N/A	0.027 U	0.027 U	0.32 U	0.023 U	N/A	N/A	0.027 U	0.025 U	N/A	0.025 U
Acetone	0.05	500	**0.0071** J	0.022 U	N/A	N/A	N/A	0.027 U	0.027 U	0.32 U	**0.064**	N/A	N/A	0.027 U	**0.0063** J	N/A	0.025 U
Benzene	0.06	44	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**0.1**	**0.0028** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Bromodichloromethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Bromoform	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Bromomethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Carbon Disulfide	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Carbon tetrachloride	0.76	22	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 U
Chlorobenzene	1.1	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	**0.0041** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Dibromochloromethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Chloroethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Chloroform	0.37	350	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Chloromethane	NS	NS	0.0041 UJ	0.0045 UJ	N/A	N/A	N/A	0.0053 UJ	0.0053 UJ	0.064 UJ	0.0046 UJ	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 UJ
cis-1,2-Dichloroethene	0.25	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
cis-1,3-Dichloropropene	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Cyclohexane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**0.49**	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Dichlorodifluoromethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 UJ	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Ethylbenzene	1	390	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**2.3**	**0.0084**	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
1,2-Dibromoethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Isopropylbenzene	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**0.56**	**0.0023** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Methyl acetate	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**0.35**	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Methyl-tert-butyl-ether	0.93	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	**0.00074** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Methylcyclohexane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**1.2**	**0.0016** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Methylene chloride	0.05	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Styrene	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Tetrachloroethene	1.3	150	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Toluene	0.7	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	**0.046** J	**0.00075** J	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
trans-1,2-Dichloroethene	0.19	500	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
trans-1,3-Dichloropropene	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Trichloroethene	0.47	200	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 U	0.0051 U	N/A	0.0049 U
Trichlorofluoromethane	NS	NS	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 U	0.0053 U	0.064 U	0.0046 U	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 U
Vinyl chloride	0.02	13	0.0041 U	0.0045 U	N/A	N/A	N/A	0.0053 UJ	0.0053 UJ	0.064 U	0.0046 UJ	N/A	N/A	0.0054 UJ	0.0051 UJ	N/A	0.0049 U
Xylenes, Total	0.26	500	0.0081 U	0.0090 U	N/A	N/A	N/A	0.011 U	0.011 U	**14**	**0.057**	N/A	N/A	0.011 U	0.01 U	N/A	0.0099 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result are equal to or above the corresponding SCO.
VOCs - Volatile organic compounds
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 5a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Volatile Organic Compounds (July 2016)

		SAMPLE ID:	KTZ-SB-9-3'	KTZ-SB-9-6'	KTZ-SB-10-2'	KTZ-SB-10-5'	KTZ-SB-11-2'	KTZ-SB-11-6'	KTZ-SB-12-7'	KTZ-SB-12-13.5'	KTZ-SB-12-19'	KTZ-SB-12-25'	KTZ-SB-13-2'	KTZ-SB-13-6'	KTZ-SB-14-2'	KTZ-SB-14-6'
		LABORATORY ID:	480-102707-7	480-102707-5	480-102778-1	480-102778-2	480-102778-4	480-102778-5	480-103005-4	480-103005-5	480-103005-6	480-103005-7	480-102778-6	480-102778-7	480-103005-2	480-103005-1
		SAMPLE DEPTH (FT.):	3	6	2	5	2	6	7	13.5	19	25	2	6	2	6
		COLLECTION DATE:	7/6/2016	7/6/2016	7/7/2016	7/7/2016	7/7/2016	7/7/2016	7/11/2016	7/11/2016	7/11/2016	7/11/2016	7/7/2016	7/7/2016	7/12/2016	7/12/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,1,2,2-Tetrachloroethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,1,2-Trichloroethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,1-Dichloroethane	0.27	240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,1-Dichloroethene	0.33	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2,4-Trichlorobenzene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2-Dibromo-3-Chloropropane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2-Dichlorobenzene	1.1	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2-Dichloroethane	0.02	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2-Dichloropropane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,3-Dichlorobenzene	2.4	280	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,4-Dichlorobenzene	1.8	130	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
2-Butanone (MEK)	0.12	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.019** J	0.028 U
2-Hexanone	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.028 U
4-Methyl-2-pentanone (MIBK)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.028 U
Acetone	0.05	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.14**	**0.051**
Benzene	0.06	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Bromodichloromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Bromoform	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Bromomethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Carbon Disulfide	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Carbon tetrachloride	0.76	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Chlorobenzene	1.1	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Dibromochloromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Chloroethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Chloroform	0.37	350	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Chloromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
cis-1,2-Dichloroethene	0.25	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
cis-1,3-Dichloropropene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Cyclohexane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Dichlorodifluoromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 UJ	0.0056 UJ
Ethylbenzene	1	390	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
1,2-Dibromoethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Isopropylbenzene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Methyl acetate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Methyl-tert-butyl-ether	0.93	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Methylcyclohexane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Methylene chloride	0.05	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Styrene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Tetrachloroethene	1.3	150	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Toluene	0.7	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
trans-1,2-Dichloroethene	0.19	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
trans-1,3-Dichloropropene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Trichloroethene	0.47	200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Trichlorofluoromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 UJ	0.0056 UJ
Vinyl chloride	0.02	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0042 U	0.0056 U
Xylenes, Total	0.26	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0084 U	0.011 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result are equal to or above the corresponding SCO.
VOCs - Volatile organic compounds
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 5b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Semivolatile Organic Compounds (July 2016)

			SAMPLE ID:	KTZ-SB-1-2'	KTZ-SB-1-9'	KTZ-SB-2-3'	KTZ-SB-2-7'	KTZ-SB-2-15'	KTZ-SB-3-6'	KTZ-SB-3-10'	KTZ-SB-4-2.5'	KTZ-SB-4-6'	KTZ-SB-5-3'	KTZ-SB-5-6'	KTZ-SB-6-2'	KTZ-SB-6-9'	KTZ-SB-7-4'	KTZ-SB-8-5'
			LABORATORY ID:	480-102778-8	480-102778-9	480-102707-9	480-102707-11	480-102707-10	480-102707-2	480-102707-3	480-102707-4	480-102707-1	480-102707-6	480-102707-8	480-102859-1	480-102859-2	480-103005-3	480-102778-3
			SAMPLE DEPTH (FT.):	2	9	3	7	15	6	10	2.5	6	3	6	2	9	4	5
			COLLECTION DATE:	7/7/2016	7/7/2016	7/5/2016	7/5/2016	7/5/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/8/2016	7/8/2016	7/11/2016	7/7/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
bis (2-chloroisopropyl) ether	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,4,5-Trichlorophenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,4,6-Trichlorophenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,4-Dichlorophenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,4-Dimethylphenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,4-Dinitrophenol	NS	NS		2.0 U	2.2 U	N/A	N/A	N/A	2.0 U	2.3 U	41 U	2.0 U	N/A	N/A	2.1 U	2.2 U	N/A	2.2 U
2,4-Dinitrotoluene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2,6-Dinitrotoluene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2-Chloronaphthalene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2-Chlorophenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
o-cresol	0.33	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2-Methylnaphthalene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	**1.4** J	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
2-Nitroalanine	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.4 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
2-Nitrophenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
3,3'-Dichlorobenzidine	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
3-Nitroaniline	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
4,6-Dinitro-2-methylphenol	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
4-Bromophenyl phenyl ether	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
4-Chloro-3-methylphenol	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
4-Chloroaniline	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
4-Chlorophenyl phenyl ether	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
p-cresol	0.33	500		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
4-Nitroaniline	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
4-Nitrophenol	NS	NS		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
Acenaphthene	20	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Acenaphthylene	100	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Acetophenone	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Anthracene	100	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Atrazine	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzaldehyde	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzo(a)anthracene	1	5.6		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzo(a)pyrene	1	1		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzo(b)fluoranthene	1	5.6		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzo(g,h,i)perylene	100	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Benzo(k)fluoranthene	0.8	56		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Bis(2-chloroethoxy)methane	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Bis(2-chloroethyl)ether	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Bis(2-ethylhexyl)phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	**0.079** J	N/A	N/A	0.21 U	**0.096** J	N/A	0.22 U
Butyl benzyl phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	**0.13** J	0.23 U	**1.6** J	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Caprolactam	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Carbazole	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Chrysene	1	56		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Dibenz(a,h)anthracene	0.33	0.50		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Di-n-butyl phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Di-n-octyl phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Dibenzofuran	7	350		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Diethyl phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Dimethyl phthalate	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Fluoranthene	100	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Fluorene	30	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Hexachlorobenzene	0.33	6		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Hexachlorobutadiene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Hexachlorocyclopentadiene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Hexachloroethane	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Indeno[1,2,3-cd]pyrene	0.5	5.6		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Isophorone	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
N-Nitrosoi-n-propylamine	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
N-Nitrosodiphenylamine	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Naphthalene	12	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	**0.83** J	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Nitrobenzene	NS	NS		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Pentachlorophenol	0.8	6.7		0.39 U	0.44 U	N/A	N/A	N/A	0.41 U	0.45 U	8.1 U	0.40 U	N/A	N/A	0.41 U	0.44 U	N/A	0.44 U
Phenanthrene	100	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Phenol	0.33	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U
Pyrene	500	500		0.20 U	0.23 U	N/A	N/A	N/A	0.21 U	0.23 U	4.2 U	0.21 U	N/A	N/A	0.21 U	0.23 U	N/A	0.22 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
SVOCs - Semivolatile Organic Compounds.
SCO - Soil Cleanup Objective.
*-New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 5b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Semivolatile Organic Compounds (July 2016)

		SAMPLE ID:	KTZ-SB-9-3'	KTZ-SB-9-6'	KTZ-SB-10-2'	KTZ-SB-10-5'	KTZ-SB-11-2'	KTZ-SB-11-6'	KTZ-SB-12-7'	KTZ-SB-12-13.5'	KTZ-SB-12-19'	KTZ-SB-12-25'	KTZ-SB-13-2'	KTZ-SB-13-6'	KTZ-SB-14-2'	KTZ-SB-14-6'
		LABORATORY ID:	480-102707-7	480-102707-5	480-102778-1	480-102778-2	480-102778-4	480-102778-5	480-103005-4	480-103005-5	480-103005-6	480-103005-7	480-102778-6	480-102778-7	480-103005-2	480-103005-1
		SAMPLE DEPTH (FT.):	3	6	2	5	2	6	7	13.5	19	25	2	6	2	6
		COLLECTION DATE:	7/6/2016	7/6/2016	7/7/2016	7/7/2016	7/7/2016	7/7/2016	7/11/2016	7/11/2016	7/11/2016	7/11/2016	7/7/2016	7/7/2016	7/12/2016	7/12/2016
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PARAMETERS	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Biphenyl	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
bis (2-chloroisopropyl) ether	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,4,5-Trichlorophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,4,6-Trichlorophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,4-Dichlorophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,4-Dimethylphenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,4-Dinitrophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.0 U	2.1 U
2,4-Dinitrotoluene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2,6-Dinitrotoluene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2-Chloronaphthalene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2-Chlorophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
o-cresol	0.33	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2-Methylnaphthalene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
2-Nitroalanine	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
2-Nitrophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
3,3'-Dichlorobenzidine	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
3-Nitroaniline	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
4,6-Dinitro-2-methylphenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
4-Bromophenyl phenyl ether	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
4-Chloro-3-methylphenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
4-Chloroaniline	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
4-Chlorophenyl phenyl ether	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
p-cresol	0.33	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
4-Nitroaniline	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
4-Nitrophenol	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
Acenaphthene	20	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Acenaphthylene	100	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Acetophenone	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Anthracene	100	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Atrazine	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Benzaldehyde	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 UJ	0.22 UJ
Benzo(a)anthracene	1	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Benzo(a)pyrene	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Benzo(b)fluoranthene	1	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Benzo(g,h,i)perylene	100	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Benzo(k)fluoranthene	0.8	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Bis(2-chloroethoxy)methane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Bis(2-chloroethyl)ether	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Bis(2-ethylhexyl)phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	**0.1** J
Butyl benzyl phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Caprolactam	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.077** J	0.22 U
Carbazole	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Chrysene	1	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Dibenz(a,h)anthracene	0.33	0.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Di-n-butyl phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Di-n-octyl phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Dibenzofuran	7	350	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Diethyl phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Dimethyl phthalate	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Fluoranthene	100	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Fluorene	30	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Hexachlorobenzene	0.33	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Hexachlorobutadiene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Hexachlorocyclopentadiene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Hexachloroethane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Indeno[1,2,3-cd]pyrene	0.5	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Isophorone	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
N-Nitrosoi-n-propylamine	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
N-Nitrosodiphenylamine	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Naphthalene	12	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Nitrobenzene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Pentachlorophenol	0.8	6.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.41 U	0.42 U
Phenanthrene	100	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Phenol	0.33	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U
Pyrene	500	500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21 U	0.22 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
SVOCs - Semivolatile Organic Compounds.
SCO - Soil Cleanup Objective.
*-New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

Table 5c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for PCBs and Metals (July 2016)

ANALYSIS	COMPOUNDS	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID:	KTZ-SB-1-2'	KTZ-SB-1-9'	KTZ-SB-2-3'	KTZ-SB-2-7'	KTZ-SB-2-15'	KTZ-SB-3-6'	KTZ-SB-3-10'	KTZ-SB-4-2.5'	KTZ-SB-4-6'	KTZ-SB-5-3'	KTZ-SB-5-6'	KTZ-SB-6-2'	KTZ-SB-6-9'	KTZ-SB-7-4'	KTZ-SB-8-5'
				LABORATORY ID:	480-102778-8	480-102778-9	480-102707-9	480-102707-11	480-102707-10	480-102707-2	480-102707-3	480-102707-4	480-102707-1	480-102707-6	480-102707-8	480-102859-1	480-102859-2	480-103005-3	480-102778-3
				SAMPLE DEPTH (FT.):	2	9	3	7	15	6	10	2.5	6	3	6	2	9	4	5
				COLLECTION DATE:	7/7/2016	7/7/2016	7/5/2016	7/5/2016	7/5/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/8/2016	7/8/2016	7/11/2016	7/7/2016
				UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCBs					Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
	Aroclor 1016	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	0.28 U	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1221	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	0.28 U	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1232	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	0.28 U	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1242	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	**4.60**	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1248	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	**0.47**	0.27 U	0.28 U	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1254	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	0.28 U	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Aroclor 1260	NS	NS		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	0.24 U	0.27 U	**0.28**	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
	Total PCBs	0.1	1/10 **		0.24 U	0.31 U	0.23 U	0.30 U	0.25 U	**0.47**	0.27 U	**4.88**	0.21 U	0.32 U	0.25 U	0.26 U	0.33 U	0.32 U	0.30 U
Metals, total																			
	Aluminum	NS	NS		**15,800**	**17,400**	**23,000**	**24,300**	**21,700**	**22,300**	**13,900**	**17,600**	**12,200**	**23,200**	**25,900**	**20,200**	**24,000**	**17,700**	**20,200**
	Antimony	NS	NS		18 UJ	20.9 UJ	19.8 U	20.7 U	20.7 U	18.7 U	21.2 U	**5.4** J	17.6 U	18.7 U	22.5 U	19.4 U	21.4 U	18.5 U	20.2 UJ
	Arsenic	13	16		**9.0** J-	**10.1** J-	**10.4**	**10.4** J-	**6.3** J-	**11** J-	**7.8** J-	**11.4** J-	**6.3** J-	**9.4** J-	**10.8** J-	**10.5**	**12.3**	**8.3**	**6.6** J-
	Barium	350	400		**56.8** J	**80.9** J	**116**	**116**	**104**	**115**	**50**	**61.7**	**33.9**	**131**	**137**	**92.8**	**149**	**62.6**	**76.6** J
	Beryllium	7.2	590		**0.43**	**0.38**	**0.6**	**0.58**	**0.51**	**0.51**	**0.28**	**0.41**	**0.27**	**0.61**	**0.64**	**0.53**	**0.57**	**0.36**	**0.46**
	Cadmium	2.5	9.3		0.24 U	0.28 U	0.26 U	0.28 U	**0.38** J+	**0.94** J+	0.28 U	**0.33** J+	0.23 U	0.25 U	0.30 U	**0.063** J	**0.14** J	**0.076** J	0.27 U
	Calcium	NS	NS		**1,020**	**2,060**	**646**	**1,260**	**12,600**	**805**	**1,580**	**917**	**1,460**	**284**	**475**	**2,300**	**14,600**	**1,930**	**1,910**
	Chromium [(1)]	1	400		**18.8**	**17.8**	**23.6**	**25.1**	**23.2**	**23.4**	**13.6**	**19.1**	**12.9**	**22.5**	**26.3**	**23.0**	**25.7**	**19.1**	**24.6**
	Cobalt	NS	NS		**12.2**	**17.1**	**22.7**	**16.2**	**17.7**	**17.5**	**14.2**	**9.5**	**10.5**	**23.9**	**21.7**	**18.4**	**21.3**	**12.9**	**14.9**
	Copper	50	270		**30.4**	**24.6**	**32.8**	**31.9**	**53.3**	**130**	**23.5**	**235**	**29.2**	**31.6**	**36.7**	**23.2**	**33.6**	**26.5**	**20.4**
	Iron	NS	NS		**29,000**	**32,400**	**39,300**	**40,600**	**37,400**	**41,300**	**27,200**	**29,100**	**23,100**	**36,700**	**42,700**	**36,300**	**43,500**	**33,600**	**36,800**
	Lead	63	1,000		**16.9** J	**15.2** J	**21**	**17**	**26.6**	**219**	**12.9**	**120**	**26.3**	**19.9**	**20**	**17.1**	**18.2**	**13.8**	**10.5** J
	Magnesium	NS	NS		**6,720** J	**6,460** J	**8,030**	**8,550**	**10,600**	**7,620**	**5,320**	**4,710**	**4,410**	**7,410**	**8,720**	**7,070**	**12,300**	**7,030**	**7,700** J
	Manganese	1,600	10,000***		**663**	**1,380**	**1,210**	**749**	**783**	**872**	**858**	**393**	**474**	**1,060**	**1,050**	**488**	**1,370**	**433**	**389**
	Nickel	30	310		**28.8**	**34.1**	**37.9**	**37.4**	**35.5**	**37.2**	**28.1**	**20.7**	**19.5**	**36.2**	**42.5**	**32.3**	**42.6**	**29.5**	**36.8**
	Potassium	NS	NS		**1,720** J	**1,960** J	**2,280**	**3,150**	**2,930**	**2,140**	**1,410**	**1,330**	**1,080**	**2,440**	**3,030**	**2,150**	**3,130**	**1,560**	**2,000** J
	Selenium	3.9	1,500		4.9 U	5.60 U	5.3 U	5.5 U	5.5 U	5 U	5.7 U	5.3 U	4.7 U	5 U	6 U	5.2 U	**0.79** J	4.9 UJ	5.4 U
	Silver	2	1,500		0.73 U	0.83 U	0.79 U	0.83 U	0.83 U	**0.6** J	0.85 U	0.8 U	0.7 U	0.75 U	0.9 U	0.78 U	0.86 U	0.74 U	0.81 U
	Sodium	NS	NS		**88.8** J	**131** J	**128.0** J	**184** J	**152** J	**119** J	**64.2** J	**81.1** J	**61.7** J	**151** J	**177** J	**116** J	**161** J	**75** J	**131** J
	Thallium	NS	NS		7.3 U	8.3 U	7.9 U	8.3 U	8.3 U	7.5 U	8.5 U	8 U	7.0 U	7.5 U	9 U	7.8 U	8.6 U	7.4 U	8.1 U
	Vanadium	NS	NS		**15.6**	**17.7**	**22.6**	**24.3**	**21.5**	**21.1**	**13.5**	**22**	**12.1**	**23**	**25.5**	**21.6**	**23.1**	**17.5**	**23.8**
	Zinc	109	10,000***		**68.8**	**83.2**	**97.2**	**102**	**107**	**372**	**67.9**	**101**	**59.2**	**98.5**	**111**	**77.1**	**105**	**84.3**	**96.4**
	Mercury	0.18	2.8		**0.040**	**0.014** J	0.025 U	0.025 U	0.026 U	**0.023** J	0.027 U	**0.071**	**0.011** J	**0.020** J	**0.022** J	**0.020** J	0.025 U	**0.011** J	**0.044**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)

J - Estimated value

J- - Estimated value; biased low.

J+ - Estimated value; biased high.

N/A - Sample not analyzed for the listed analyte.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected above laboratory quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Shading indicates result are equal to or above the corresponding SCO.

PCBs - Polychlorinated Biphenyls.

SCO - Soil Cleanup Objective.

*-New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.

** - The NYSDEC Commercial Use SCO for PCBs is 1 mg/kg for surface soils, 10 mg/kg for soils at depth.

*** - The SCOs for corresponding metals were capped at 10,000 mg/kg.

(1) - Criteria for Chromium (VI) used.

Table 5c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for PCBs and Metals (July 2016)

ANALYSIS	COMPOUNDS	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID:	KTZ-SB-9-3'	KTZ-SB-9-6'	KTZ-SB-10-2'	KTZ-SB-10-5'	KTZ-SB-11-2'	KTZ-SB-11-6'	KTZ-SB-12-7'	KTZ-SB-12-13.5'	KTZ-SB-12-19'	KTZ-SB-12-25'	KTZ-SB-13-2'	KTZ-SB-13-6'	KTZ-SB-14-2'	KTZ-SB-14-6'
				LABORATORY ID:	480-102707-7	480-102707-5	480-102778-1	480-102778-2	480-102778-4	480-102778-5	480-103005-4	480-103005-5	480-103005-6	480-103005-7	480-102778-6	480-102778-7	480-103005-2	480-103005-1
				SAMPLE DEPTH (FT.):	3	6	2	5	2	6	7	13.5	19	25	2	6	2	6
				COLLECTION DATE:	7/6/2016	7/6/2016	7/7/2016	7/7/2016	7/7/2016	7/7/2016	7/11/2016	7/11/2016	7/11/2016	7/11/2016	7/7/2016	7/7/2016	7/12/2016	7/12/2016
				UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCBs					Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
	Aroclor 1016	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	0.33 U	0.28 U	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	0.32 U
	Aroclor 1221	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	0.33 U	0.28 U	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	0.32 U
	Aroclor 1232	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	0.33 U	0.28 U	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	0.32 U
	Aroclor 1242	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	0.33 U	**10**	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	0.32 U
	Aroclor 1248	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	**0.15** J	0.31 U	**0.64**	0.28 U	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	**0.26** J
	Aroclor 1254	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	**1.7**	**1.8**	1.30 U	0.24 U	0.29 U	0.32 U	0.29 U	**0.24** J
	Aroclor 1260	NS	NS		0.22 U	0.32 U	0.25 U	0.31 U	0.26 U	0.31 U	**1.9**	**1.3**	**7.9**	0.24 U	0.29 U	0.32 U	0.29 U	**0.15** J
	Total PCBs	0.1	1/10 **		0.22 U	0.32 U	0.25 U	0.31 U	**0.15** J	0.31 U	**4.24**	**13.1**	**7.9**	0.24 U	0.29 U	0.32 U	0.29 U	**0.65** J
Metals, total	Aluminum	NS	NS		**19,100**	**27,300**	**17,700**	**27,500**	**22,800**	**22,300**	**185,000**	**153,000**	**23,400**	**23,500**	**16,600**	**12,800**	**15,500**	**19,600**
	Antimony	NS	NS		19.1 U	21.3 U	18.2 UJ	20.7 UJ	19.6 UJ	19.6 UJ	**32.6** J	**46.9**	19.5 U	17.4 U	17.7 UJ	20.8 UJ	18.4 U	18.4
	Arsenic	13	16		**9.4** J-	**12.3** J-	**5.7** J-	**13.3** J-	**10.4** J-	**10.6** J-	**28** J-	**6.9** J-	**11**	**8.4**	**8.7** J-	**9** J-	**6.5**	**9.3**
	Barium	350	400		**99.7**	**133**	**79** J	**155** J	**122** J	**105** J	**236**	**102**	**101**	**106**	**64.1** J	**48.8** J	**43.4**	**81.5**
	Beryllium	7.2	590		**0.49**	**0.69**	**0.4**	**0.81**	**0.55**	**0.55**	**0.39**	**0.5**	**0.49**	**0.53**	**0.42**	**0.26** J	**0.33**	**0.45**
	Cadmium	2.5	9.3		0.25 U	0.28 U	0.24 U	0.28 U	0.26 U	0.26 U	**67.7**	**15.5**	**0.073** J	**0.17** J	0.24 U	0.28 U	**0.4**	**0.17** J
	Calcium	NS	NS		**1,060**	**2,150**	**1,340**	**2,010**	**647**	**1,380**	**6,480**	**3,010**	**1,490**	**13,400**	**335**	**1,540**	**1,230**	**1,070**
	Chromium (1)	1	400		**19.9**	**28.6**	**18.8**	**28.7**	**22.7**	**23.6**	**681**	**153**	**25.7**	**24.4**	**16**	**14**	**14**	**20.1**
	Cobalt	NS	NS		**14.1**	**22.4**	**12.3**	**22.6**	**21.2**	**20.3**	**27.1**	**11.1**	**16.7**	**19.9**	**15.6**	**10.1**	**12.7**	**15.5**
	Copper	50	270		**26.5**	**41.1**	**16.4**	**39.3**	**30.4**	**30.8**	**9,900**	**7,750**	**38.3**	**31.5**	**22.5**	**23.5**	**62.1**	**40.6**
	Iron	NS	NS		**32,000**	**46,000**	**27,600**	**43,900**	**39,200**	**38,500**	**205,000**	**30,500**	**40,500**	**40,300**	**29,700**	**25,000**	**20,800**	**34,400**
	Lead	63	1,000		**14.6**	**22.6**	**10.9** J	**22.0** J	**16.8** J	**20.9** J	**2,250**	**2,650**	**15.9**	**17.5**	**16.6** J	**11.3** J	**17.4**	**16.7**
	Magnesium	NS	NS		**6,140**	**10,100**	**5,900** J	**9,210** J	**7,940** J	**8,140** J	**7,420**	**7,300**	**8,540**	**12,000**	**5,890** J	**4,860** J	**3,940**	**6,900**
	Manganese	1,600	10,000***		**751**	**800**	**570**	**871.0**	**958**	**1,090**	**2,510**	**1,250**	**710**	**817**	**855**	**554**	**272**	**786**
	Nickel	30	310		**29.7**	**44**	**26.5**	**43.9**	**37.9**	**39.3**	**357**	**154**	**39.2**	**40.9**	**27.9**	**21.3**	**20.3**	**33.3**
	Potassium	NS	NS		**2,020**	**3,600**	**1,680** J	**3,320** J	**2,310** J	**2,490** J	**379**	**1,280**	**2,370**	**2,950**	**1,510** J	**1,430** J	**867**	**2,120**
	Selenium	3.9	1,500		5.1 U	5.7 U	4.9 U	5.5 U	5.2 U	5.2 U	28.4 U	28.8 U	5.2 UJ	4.6 UJ	4.7 U	5.6 U	4.9 UJ	**0.51** J-
	Silver	2	1,500		0.76 U	0.85 U	0.73 U	0.83 U	0.78 U	0.78 U	**6.3**	**3.3**	0.78 U	0.69 U	0.71 U	0.83 U	0.74 U	0.74 U
	Sodium	NS	NS		**120** J	**210.0**	170 U	**305**	**151** J	**164.0** J	**124** J	**67.7** J	**146.0** J	**174.0**	**112.0** J	**103.0** J	**37.9** J	**112** J
	Thallium	NS	NS		7.6 U	8.5 U	7.3 U	8.3 U	7.8 U	7.8 U	42.5 U	8.6 U	7.8 U	6.9 U	7.1 U	8.3 U	7.4 U	7.4 U
	Vanadium	NS	NS		**19.1**	**27.9**	**18.2**	**29.5**	**22.6**	**22.5**	**46.3**	**31.80**	**22**	**22.3**	**16.3**	**13.5**	**13.6**	**19.10**
	Zinc	109	10,000***		**78.1**	**119**	**71.1**	**113**	**97.2**	**98.7**	**10,900**	**5,390**	**108**	**103**	**72**	**61.6**	**99**	**97.3**
	Mercury	0.18	2.8		**0.018** J	**0.014** J	**0.019** J	**0.015** J	0.025 U	**0.014** J	**0.24**	**0.11**	**0.01** J	**0.011** J	0.025 U	0.025 U	**0.041**	**0.015** J

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
N/A - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result are equal to or above the corresponding SCO.
PCBs - Polychlorinated Biphenyls.
SCO - Soil Cleanup Objective.
*-New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.
** - The NYSDEC Commercial Use SCO for PCBs is 1 mg/kg for surface soils, 10 mg/kg for soils at depth.
*** - The SCOs for corresponding metals were capped at 10,000 mg/kg.
(1) - Criteria for Chromium (VI) used.

Table 5d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Pesticides and Herbicides (July 2016)

ANALYSI	PARAMETERS	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID:	KTZ-SB-1-2'	KTZ-SB-1-9'	KTZ-SB-2-3'	KTZ-SB-2-7'	KTZ-SB-2-15'	KTZ-SB-3-6'	KTZ-SB-3-10'	KTZ-SB-4-2.5'	KTZ-SB-4-6'	KTZ-SB-5-3'	KTZ-SB-5-6'
				LABORATORY ID:	480-102778-8	480-102778-9	480-102707-9	480-102707-11	480-102707-10	480-102707-2	480-102707-3	480-102707-4	480-102707-1	480-102707-6	480-102707-8
				SAMPLE DEPTH (FT.):	2	9	3	7	15	6	10	2.5	6	3	6
				COLLECTION DATE:	7/7/2016	7/7/2016	7/5/2016	7/5/2016	7/5/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016	7/6/2016
				UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Pesticides															
	4,4'-DDD	0.0033	92		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	4,4'-DDE	0.0033	62		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	4,4'-DDT	0.0033	47		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Aldrin	0.005	0.68		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	alpha-BHC	0.02	3.4		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	alpha-Chlordane	0.094	24		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	beta-BHC	0.036	3		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	delta-BHC	0.04	500		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Dieldrin	0.005	1.4		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Endosulfan I	2.4	200		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Endosulfan II	2.4	200		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Endosulfan sulfate	2.4	200		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Endrin	0.014	89		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Endrin aldehyde	NS	NS		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	**0.0027** J-	0.002 U	N/A	N/A
	Endrin ketone	NS	NS		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2		0.0019 U	0.0022 U	N/A	N/A	N/A	**0.00068** J	0.023 U	R	0.002 U	N/A	N/A
	gamma-Chlordane	NS	NS		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Heptachlor	0.042	15		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Heptachlor epoxide	NS	NS		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	R	0.002 U	N/A	N/A
	Methoxychlor	NS	NS		0.0019 U	0.0022 U	N/A	N/A	N/A	0.0021 U	0.023 U	**0.0041** J-	0.002 U	N/A	N/A
	Toxaphene	NS	NS		0.019 U	0.022 U	N/A	N/A	N/A	0.021 U	0.23 U	R	0.02 U	N/A	N/A
Herbicides															
	2,4,5-T	NS	NS		0.02 U	0.022 U	N/A	N/A	N/A	0.021 U	0.023 U	0.02 U	0.02 U	N/A	N/A
	Silvex (2,4,5-TP)	3.8	500		0.02 U	0.022 U	N/A	N/A	N/A	0.021 U	0.023 U	0.02 U	0.02 U	N/A	N/A
	2,4-D	NS	NS		0.02 U	0.022 U	N/A	N/A	N/A	0.021 U	0.023 U	0.02 U	0.02 U	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
J- - Estimated value; biased low.
N/A - Sample not analyzed for the listed analyte.
NJ - Estimated value; presumptive evidence of compound.
NS - No NYSDEC standards exist for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected above laboratory quantitation limit.
Values in **bold** indicate the analyte was detected.
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 5d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Pesticides and Herbicides (July 2016)

ANALYSI	PARAMETERS	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID: KTZ-SB-6-2'	KTZ-SB-6-9'	KTZ-SB-7-4'	KTZ-SB-8-5'	KTZ-SB-9-3'	KTZ-SB-9-6'	KTZ-SB-10-2'	KTZ-SB-10-5'	KTZ-SB-11-2'	KTZ-SB-11-6'
				LABORATORY ID: 480-102859-1	480-102859-2	480-103005-3	480-102778-3	480-102707-7	480-102707-5	480-102778-1	480-102778-2	480-102778-4	480-102778-5
				SAMPLE DEPTH (FT.): 2	9	4	5	3	6	2	5	2	6
				COLLECTION DATE: 7/8/2016	7/8/2016	7/11/2016	7/7/2016	7/6/2016	7/6/2016	7/7/2016	7/7/2016	7/7/2016	7/7/2016
				UNITS: mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides													
	4,4'-DDD	0.0033	92	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDE	0.0033	62	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	4,4'-DDT	0.0033	47	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Aldrin	0.005	0.68	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-BHC	0.02	3.4	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	alpha-Chlordane	0.094	24	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	beta-BHC	0.036	3	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	delta-BHC	0.04	500	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Dieldrin	0.005	1.4	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan I	2.4	200	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan II	2.4	200	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endosulfan sulfate	2.4	200	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin	0.014	89	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin aldehyde	NS	NS	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Endrin ketone	NS	NS	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-BHC (Lindane)	0.1	9.2	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	gamma-Chlordane	NS	NS	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor	0.042	15	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Heptachlor epoxide	NS	NS	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Methoxychlor	NS	NS	0.0021 U	0.0023 U	N/A	0.0023 U	N/A	N/A	N/A	N/A	N/A	N/A
	Toxaphene	NS	NS	0.021 U	0.023 U	N/A	0.023 U	N/A	N/A	N/A	N/A	N/A	N/A
Herbicides													
	2,4,5-T	NS	NS	0.021 U	0.022 U	N/A	0.022 U	N/A	N/A	N/A	N/A	N/A	N/A
	Silvex (2,4,5-TP)	3.8	500	0.021 U	0.022 U	N/A	0.022 U	N/A	N/A	N/A	N/A	N/A	N/A
	2,4-D	NS	NS	0.021 U	0.022 U	N/A	0.022 U	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
J- - Estimated value; biased low.
N/A - Sample not analyzed for the listed analyte.
NJ - Estimated value; presumptive evidence of compound.
NS - No NYSDEC standards exist for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected above laboratory quantitation limit.
Values in **bold** indicate the analyte was detected.
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 5d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Direct Push Soil for Pesticides and Herbicides (July 2016)

ANALYSI	PARAMETERS	Unrestricted Use SCO*	Commercial Use SCO*	SAMPLE ID: KTZ-SB-12-7'	KTZ-SB-12-	KTZ-SB-12-19'	KTZ-SB-12-25'	KTZ-SB-13-2'	KTZ-SB-13-6'	KTZ-SB-14-2'	KTZ-SB-14-6'
				LABORATORY ID: 480-103005-4	480-103005-5	480-103005-6	480-103005-7	480-102778-6	480-102778-7	480-103005-2	480-103005-1
				SAMPLE DEPTH (FT.): 7	13.5	19	25	2	6	2	6
				COLLECTION DATE: 7/11/2016	7/11/2016	7/11/2016	7/11/2016	7/7/2016	7/7/2016	7/12/2016	7/12/2016
				UNITS: mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Results	Results	Results	Results	Results	Results	Results	Results
Pesticides											
	4,4'-DDD	0.0033	92	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	4,4'-DDE	0.0033	62	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	4,4'-DDT	0.0033	47	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Aldrin	0.005	0.68	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	alpha-BHC	0.02	3.4	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	alpha-Chlordane	0.094	24	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	beta-BHC	0.036	3	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	delta-BHC	0.04	500	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Dieldrin	0.005	1.4	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Endosulfan I	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Endosulfan II	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Endosulfan sulfate	2.4	200	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	**0.0045** NJ
	Endrin	0.014	89	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Endrin aldehyde	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Endrin ketone	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	gamma-BHC (Lindane)	0.1	9.2	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	gamma-Chlordane	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Heptachlor	0.042	15	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Heptachlor epoxide	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Methoxychlor	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.0021 U	0.0039 U
	Toxaphene	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.039 U
Herbicides											
	2,4,5-T	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.021 U
	Silvex (2,4,5-TP)	3.8	500	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.021 U
	2,4-D	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	0.021 U	0.021 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
J- - Estimated value; biased low.
N/A - Sample not analyzed for the listed analyte.
NJ - Estimated value; presumptive evidence of compound.
NS - No NYSDEC standards exist for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected above laboratory quantitation limit.
Values in **bold** indicate the analyte was detected.
SCO - Soil Cleanup Objective
* - New York State Department of Enviromental Conservation,
Soil Cleanup Objectives, December 14, 2006.

Table 6a
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Groundwater for Volatile Organic Compounds (August 2016 and April 2017)

ANALYSIS	ANALYTE	Class GA Value*	KTZ-MW-1		KTZ-MW-2		KTZ-MW-3		KTZ-MW-4	KTZ-MW-5		KTZ-MW-6		KTZ-MW-7	
SAMPLE ID:			KTZ-MW-1		KTZ-MW-2		KTZ-MW-3		KTZ-MW-4	KTZ-MW-5		KTZ-MW-6		KTZ-MW-7	
LABORATORY ID:			480-104148-1	480-116754-1	480-104148-2	480-116754-2	480-104148-3	480-116754-3	480-116754-4	480-104148-4	480-116754-5	480-104148-5	480-116754-6	480-104148-6	480-116754-7
COLLECTION DATE:			8/3/2016	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	8/4/2016	4/20/2017
UNITS:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs			Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
	1,1,1,-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2,2-Tetrachloroethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichlor-1,2,2-trifluoroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
	1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2,4-Trichlorobenzene	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	**4.3** J	**12**	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
	1,2-Dibromo-3-Chloropropane	0.04	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**8.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**28**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	2-Butanone (MEK)	50	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
	2-Hexanone	50	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ
	4-Methyl-2-pentanone (MIBK)	NS	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Acetone	50	10 UJ	10 UJ	10 U	10 UJ	**11**	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
	Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**5.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon disulfide	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**310** J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroethane	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
	Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,3-Dichloropropene	0.4[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Cyclohexane	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.61** J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.6**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromoethane	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Isopropylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.2**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl acetate	NS	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
	Methyl tert-butyl ether	10	**0.35** J	**0.30** J	**2.0**	1.0 U	**1.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methylcyclohexane	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.38** J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methylene chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U
	trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	0.4[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
	Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Xylenes, Total	5[2]	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**5.2**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,4-Dioxane	NS	N/A	0.4 UJ	N/A	0.40 UJ	N/A	0.40 UJ	0.40 UJ	N/A	0.40 UJ	N/A	0.40 UJ	N/A	0.40 UJ

Notes:
µg/L - Micrograms per liter.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
N/A - Sample not analyzed for the listed analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
(1) 0.4 µg/L applies to the sum of cis-1,3 dichloropropene and trans-1,3-dichloropropene.
(2) No Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.
Shading indicates results are equal to or above the Class GA Value.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 6b
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Groundwater for Semivolatile Organic Compounds (August 2016 and April 2017)

ANALYS	SAMPLE ID:		KTZ-MW-1		KTZ-MW-2		KTZ-MW-3		KTZ-MW-4	KTZ-MW-5		KTZ-MW-6		KTZ-MW-7	
	LABORATORY ID:		480-104148-1	480-116754-1	480-104148-2	480-116754-2	480-104148-3	480-116754-3	480-116754-4	480-104148-4	480-116754-5	480-104148-5	480-116754-6	480-104148-6	480-116754-7
	COLLECTION DATE:		8/3/2016	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	8/4/2016	4/20/2017
	UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SVOCs	**ANALYTE**	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
	Biphenyl	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Bis(2-chloroisopropyl)ether	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,4,5-Trichlorophenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,4,6-Trichlorophenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,4-Dichlorophenol	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,4-Dimethylphenol	10	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,4-Dinitrophenol	10	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	2,4-Dinitrotoluene	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2,6-Dinitrotoluene	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2-Chloronaphthalene	10	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2-Chlorophenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2-Methylphenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2-Methylnaphthalene	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	2-Nitroaniline	5	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	2-Nitrophenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	3,3'-Dichlorobenzidine	5	4.8 UJ	5.0 U	4.7 UJ	5.0 U	5.1 UJ	5.0 U	25 U	4.9 UJ	5.0 U	4.8 UJ	5.0 U	4.8 UJ	5.0 U
	3-Nitroaniline	5	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	4,6-Dinitro-2-methylphenol	1[(a)]	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	4-Bromophenyl phenyl ether	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	4-Chloro-3-methylphenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	4-Chloroaniline	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	4-Chlorophenyl phenyl ether	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	4-Methylphenol	1[(a)]	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	**0.37** J
	4-Nitroaniline	5	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	4-Nitrophenol	1[(a)]	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	Acenaphthene	20	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Acenaphthylene	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Acetophenone	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Anthracene	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Atrazine	7.5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzaldehyde	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzo[a]anthracene	0.002	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzo[a]pyrene	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzo[b]fluoranthene	0.002	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzo[g,h,i]perylene	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Benzo[k]fluoranthene	0.002	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Bis(2-chloroethoxy)methane	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Bis(2-chloroethyl)ether	1	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Bis(2-ethylhexyl)phthalate	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Butyl benzyl phthalate	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Caprolactam	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Carbazole	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Chrysene	0.002	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Dibenz(a,h)anthracene	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Di-n-butyl phthalate	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Di-n-octyl phthalate	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Dibenzofuran	NS	9.6 U	10 U	9.5 U	10 U	10 U	10 U	50 U	9.7 U	10 U	9.6 U	10 U	9.5 U	10 U
	Diethyl phthalate	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Dimethyl phthalate	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Fluoranthene	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Fluorene	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Hexachlorobenzene	0.04	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Hexachlorobutadiene	0.5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Haxachlorocyclopentadiene	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Hexachloroethane	5	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Indeno[1,2,3-cd]pyrene	0.002	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Isophorone	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	N-Nitrosodi-n-propylamine	NS	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	N-Nitrosoiphenylamine	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Naphthalene	10	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Nitrobenzene	0.4	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Pentachlorophenol	1[(a)]	9.6 UJ	10 U	9.5 UJ	10 U	10 UJ	10 U	50 U	9.7 UJ	10 U	9.6 UJ	10 U	9.5 UJ	10 U
	Phenanthrene	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Phenol	1[(a)]	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U
	Pyrene	50	4.8 U	5.0 U	4.7 U	5.0 U	5.1 U	5.0 U	25 U	4.9 U	5.0 U	4.8 U	5.0 U	4.8 U	5.0 U

Notes:
µg/L - Micrograms per liter.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
(a) - Applies to the sum of these substances.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 6c
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Groundwater for PCBs (August 2016 and April 2017)

	SAMPLE ID:		KTZ-MW-1		KTZ-MW-2		KTZ-MW-3		KTZ-MW-4	KTZ-MW-5		KTZ-MW-6		KTZ-MW-7	
	LABORATORY ID:		480-104148-1	480-116754-1	480-104148-2	480-116754-2	480-104148-3	480-116754-3	480-116754-4	480-104148-4	480-116754-5	480-104148-5	480-116754-6	480-104148-6	480-116754-7
	COLLECTION DATE:		8/3/2016	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	8/4/2016	4/20/2017
	UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYSIS	**ANALYTE**	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
PCBs															
	Aroclor 1016	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1221	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1232	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1242	NS	0.49 U	0.50 U	0.48 U	0.50 U	**2.7**	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1248	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1254	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Aroclor 1260	NS	0.49 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U
	Total PCBs	0.09	0.49 U	0.50 U	0.48 U	0.50 U	**2.7**	0.50 U	0.50 U	0.48 U	0.50 U	0.49 U	0.50 U	0.50 U	0.50 U

Notes:
µg/L - Micrograms per liter.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
Shading indicates results are equal to or above the Class GA Value.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 6d
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Groundwater for Metals (August 2016 and April 2017)

ANALYSIS	ANALYTE	Class GA Value*	SAMPLE ID:	KTZ-MW-1		KTZ-MW-2		KTZ-MW-3		KTZ-MW-4	KTZ-MW-5		KTZ-MW-6		KTZ-MW-7	
			LABORATORY ID:	480-104148-1	480-116754-1	480-104148-2	480-116754-2	480-104148-3	480-116754-3	480-116754-4	480-104148-4	480-116754-5	480-104148-5	480-116754-6	480-104148-6	480-116754-7
			COLLECTION DATE:	8/3/2016	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	4/20/2017	8/3/2016	4/20/2017	8/4/2016	4/20/2017	8/4/2016	4/20/2017
			UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Metals, total				Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
	Aluminium	NS		**1,100**	**3,000**	200 U	**63** J	**190** J	**100** J	**120** J	**85** J	**210**	200 U	200 U	200 U	200 U
	Antimony	3		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
	Arsenic	25		15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	**5.7** J
	Barium	1,000		**44**	**43**	**48**	**14**	**150**	**14**	**17**	**110**	**39**	**110**	**55**	**120**	**45**
	Beryllium	3		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Cadmium	5		2.0 U	2.0 U	2.0 U	2.0 U	**3.0**	**0.93** J	**0.68** J	2.0 U	**0.53** J	2.0 U	2.0 U	2.0 U	2.0 U
	Calcium	NS		**132,000**	**87,300**	**82,500**	**26,600**	**172,000**	**18,600**	**27,800**	**90,400**	**11,300**	**51,900**	**49,500**	**44,200**	**58,500**
	Chromium	50		**1.6** J	**3.3** J	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
	Cobalt	NS		4.0 U	**2.1** J	4.0 U	4.0 U	**2.8** J	**8.7**	**11.0**	4.0 U	**6.1**	4.0 U	4.0 U	4.0 U	4.0 U
	Copper	200		**2.4** J	**5.4** J	10 U	**19**	**32**	**4.5** J	10 U	10 U	**1.8** J	10 U	10 U	10 U	10 U
	Iron	300		**1,100**	**4,600**	50 U	50 U	**280**	**230**	**2,400**	**31** J	50 U	**91**	**1,400**	**38** J	**2,600**
	Lead	25		10 U	**5.6** J	10 U	10 U	**15**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Magnesium	35,000		**21,100**	**16,100**	**15,400**	**7,300**	**24,100**	**9,400**	**8,500**	**16,700**	**4,800**	**10,800**	**11,900**	**10,000**	**15,100**
	Manganese	300		**170**	**160**	**38**	**13**	**4,200**	**8,100**	**5,400**	**43**	**950**	**55**	**1,100**	**7.0** J+	**900**
	Nickel	100		**2.2** J	**4.5** J	10 U	**2.2** J	**8.1** J	**7.6** J	**9.5** J	10 U	**10**	10 U	10 U	10 U	10 U
	Potassium	NS		**1,400**	**1,500**	**650**	**290** J	**3,000**	**370** J	**870**	**1,300**	**110** J	**2,000**	**620**	**2,200**	**770**
	Selenium	10		25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
	Silver	50		6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
	Sodium	20,000		**23,200**	**21,000**	**5,900**	**8,000**	**30,200**	**6,600**	**6,900**	**6,600**	**6,000**	**14,100**	**8,100**	**9,500**	**10,200**
	Thallium	0.5		20 U	20	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
	Vanadium	NS		5.0 U	**3.5** J	**2.6** J	5.0 U	5.0 U	5.0 U	5.0 U	**2.5** J	5.0 U	**1.7** J	5.0 U	5.0 U	5.0 U
	Zinc	2,000		**5.0** J	**13**	10 U	**8.0** J	**400**	**190**	10 U	10 U	**42**	**3.9** J	10 U	**1.5** J	10 U
	Mercury	0.7		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:
µg/L - Micrograms per liter.
J - Estimated value.
J+ - Estimated value; biased high.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
Shading indicates results are equal to or above the Class GA Value.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 6e
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Groundwater for PFAS (April 2017)

	SAMPLE ID:		KTZ-MW-1	KTZ-MW-2	KTZ-MW-3	KTZ-MW-4	KTZ-MW-5	KTZ-MW-6	KTZ-MW-7
	LABORATORY ID:		480-116754-1	480-116754-2	480-116754-3	480-116754-4	480-116754-5	480-116754-6	480-116754-7
	COLLECTION DATE:		4/20/2017	4/20/2017	4/20/2017	4/20/2017	4/20/2017	4/20/2017	4/20/2017
	UNITS:		ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
	AREA OF CONCERN:		Outside Main Gate	W of Main Acc. Area	Main Accumulation Area		SE of Main Acc. Area	Wetland Area	
ANALYSIS	**ANALYTE**	**Guidance Value***	Results	Results	Results	Results	Results	Results	Results
PFCs									
	Perfluorobutanoic acid (PFBA)	NS	**2.6** J-	**3.4** J-	**1100**	**2600**	**4.8** J-	1.8 U	1.8 U
	Perfluoropentanoic acid (PFPeA)	NS	**26**	1.7 U	**1100**	**2700**	**24**	1.8 U	1.8 U
	Perfluorohexanoic acid (PFHxA)	NS	1.7 U	**1.0** J	1.7 U	1.8 UJ	1.8 U	1.8 U	**0.86** J
	Perfluoroheptanoic acid (PFHpA)	NS	**1.3** J	**1.2** J	**4.4**	**6.4**	1.8 U	1.8 U	**5.4**
	Perfluorooctanoic acid (PFOA)	70	**4.8**	**4.0**	**11**	**16**	**1.1** J	**2.0**	**3.0**
	Perfluorononanoic acid (PFNA)	NS	1.7 U	1.7 U	**1.3** J	**2.4**	1.8 U	**0.59** J	1.8 U
	Perfluorodecanoic acid (PFDA)	NS	1.7 U	1.7 U	**0.40** J	**0.77** J	1.8 U	1.8 U	1.8 U
	Perfluoroundecanoic acid (PFUnA)	NS	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorododecanoic acid (PFDoA)	NS	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorotridecanoic acid (PFTriA)	NS	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorotetradecanoic acid (PFTeA)	NS	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorobutanesulfonic acid (PFBS)	NS	**1.5** J	**1.4** J	**13**	**110**	1.8 U	1.8 U	1.8 U
	Perfluorohexanesulfonic acid (PFHxS)	NS	**1.6** J	**1.5** J	**5.1**	**8.8**	**0.93** J	1.8 U	1.8 U
	Perfluoroheptanesulfonic acid (PFHpS)	NS	1.7 U	1.7 U	**0.66** J	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorooctanesulfonic acid (PFOS)	70	**9.6**	**4.2**	**17**	**43**	1.8 U	1.8 U	**1.8**
	Perfluorodecanesulfonic acid (PFDS)	NS	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
	Perfluorooctane sulfonamide (FOSA)	NS	1.7 UJ	1.7 UJ	1.7 UJ	1.8 UJ	1.8 UJ	1.8 UJ	**1.8** J-
	PFOA + PFOS	70	**14.4**	**8.2**	**28**	**59**	**1.1** J	**2.0**	**4.8**

Notes:
PFCs - Perfluorinated compounds.
ng/L - Nanograms per liter.
J - Estimated value.
J- - Estimated value; biased low.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected above laboratory quantitation limit.
UJ - Estimated non-detect.
Shading indicates result exceeds guidance value.
Values in **bold** indicate the compound was detected.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water do not exist for PFAS. The USEPA has set health advisory levels of 70 ng/L for PFOA and PFOS (individual or combined concentrations).

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-A1-2	KTZ-SB-A1-4	KTZ-SB-A1-6	KTZ-SB-A1-8	KTZ-SB-A1-10	KTZ-SB-A2-2	KTZ-SB-A2-4	KTZ-SB-A2-6	KTZ-SB-A2-8	KTZ-SB-A2-10
			LABORATORY ID:	480-110378-68	480-110378-71	480-110378-67	480-110378-72	480-110378-79	480-110378-75	480-110378-76	480-110378-80	480-110378-84	480-110378-83
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.21 U	0.25 U	0.20 U	0.27 U	0.31 U	0.26 U	0.24 U	0.23 U	0.28 U	0.25 U
	Aroclor 1221	NS	NS	0.21 U	0.25 U	0.20 U	0.27 U	0.31 U	0.26 U	0.24 U	0.23 U	0.28 U	0.25 U
	Aroclor 1232	NS	NS	0.21 U	0.25 U	0.20 U	0.27 U	0.31 U	0.26 U	0.24 U	0.23 U	0.28 U	0.25 U
	Aroclor 1242	NS	NS	0.21 U	0.25 U	**0.59**	0.27 U	0.31 U	0.26 U	0.24 U	0.23 U	0.28 U	0.25 U
	Aroclor 1248	NS	NS	**2.3**	0.25 U	0.20 U	0.27 U	0.31 U	0.26 U	**0.14** J	0.23 U	0.28 U	0.25 U
	Aroclor 1254	NS	NS	**1.3**	0.25 U	**0.13**	0.27 U	0.31 U	**0.9** J	0.24 U	0.23 U	0.28 U	0.25 U
	Aroclor 1260	NS	NS	**1.2**	0.25 U	**0.11** J	0.27 U	0.31 U	**0.88**	0.24 U	0.23 U	0.28 U	0.25 U
	Total PCBs	0.1	1/10**	**4.8**	0.25 U	**0.83** J	0.27 U	0.31 U	**1.78** J	**0.14** J	0.23 U	0.28 U	0.25 U

			SAMPLE ID:	KTZ-SB-A3-2	KTZ-SB-A3-4	KTZ-SB-A3-6	KTZ-SB-A3-8	KTZ-SB-A3-10	KTZ-SB-B1-2	KTZ-SB-B1-4	KTZ-SB-B1-6	KTZ-SB-B1-8	KTZ-SB-B1-10
			LABORATORY ID:	480-110378-70	480-110378-69	480-110378-74	480-110378-73	480-110378-78	480-110378-82	480-110378-86	480-110378-85	480-110378-81	480-110378-77
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.24 U	0.27 U	0.23 U	0.25 U	0.35 U	1.0 U	0.24 U	0.26 U	0.32 U	0.31 U
	Aroclor 1221	NS	NS	0.24 U	0.27 U	0.23 U	0.25 U	0.35 U	1.0 U	0.24 U	0.26 U	0.32 U	0.31 U
	Aroclor 1232	NS	NS	0.24 U	0.27 U	0.23 U	0.25 U	0.35 U	1.0 U	0.24 U	0.26 U	0.32 U	0.31 U
	Aroclor 1242	NS	NS	0.24 U	0.27 U	0.23 U	0.25 U	0.35 U	**16**	**0.10** J	0.26 U	0.32 U	0.31 U
	Aroclor 1248	NS	NS	**0.45**	0.27 U	0.23 U	0.25 U	0.35 U	1.0 U	0.24 U	0.26 U	0.32 U	0.31 U
	Aroclor 1254	NS	NS	**0.67**	0.27 U	0.23 U	0.25 U	0.35 U	**3.3**	0.24 U	0.26 U	0.32 U	0.31 U
	Aroclor 1260	NS	NS	**0.65** J	0.27 U	0.23 U	0.25 U	0.35 U	**3.0**	0.24 U	0.26 U	0.32 U	0.31 U
	Total PCBs	0.1	1/10**	**1.77** J	0.27 U	0.23 U	0.25 U	0.35 U	**22.3**	**0.10** J	0.26 U	0.32 U	0.31 U

			SAMPLE ID:	KTZ-SB-B2-2	KTZ-SB-B2-4	KTZ-SB-B2-6	KTZ-SB-B2-8	KTZ-SB-B2-10	KTZ-SB-B3-2	KTZ-SB-B3-4	KTZ-SB-B3-6	KTZ-SB-B3-8	KTZ-SB-B3-10
			LABORATORY ID:	480-110378-87	480-110378-88	480-110378-66	480-110378-63	480-110378-65	480-110378-64	480-110378-62	480-110378-61	480-110378-59	480-110378-60
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.25 U	1.1 U	0.26 U	0.28 U	0.23 U	0.25 U	2.6 U	0.23 U	0.23 U	0.29 U
	Aroclor 1221	NS	NS	0.25 U	1.1 U	0.26 U	0.28 U	0.23 U	0.25 U	2.6 U	0.23 U	0.23 U	0.29 U
	Aroclor 1232	NS	NS	0.25 U	1.1 U	0.26 U	0.28 U	0.23 U	0.25 U	2.6 U	0.23 U	0.23 U	0.29 U
	Aroclor 1242	NS	NS	**2.1**	**7.8** J+	0.26 U	0.28 U	0.23 U	**2.6**	**54**	**0.25**	0.23 U	0.29 U
	Aroclor 1248	NS	NS	0.25 U	1.1 U	0.26 U	0.28 U	0.23 U	0.25 U	2.6 U	0.23 U	0.23 U	0.29 U
	Aroclor 1254	NS	NS	**1.4**	**2.2** J+	0.26 U	0.28 U	0.23 U	**1.3**	2.6 U	0.23 U	0.23 U	0.29 U
	Aroclor 1260	NS	NS	**1.6**	0.25 U	0.26 U	0.28 U	0.23 U	**1.2**	**5.9**	0.23 U	0.23 U	0.29 U
	Total PCBs	0.1	1/10**	**5.1**	**10** J+	0.26 U	0.28 U	0.23 U	**5.1**	**59.9**	**0.25**	0.23 U	0.29 U

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-B4-2	KTZ-SB-B4-4	KTZ-SB-B4-6	KTZ-SB-B4-8	KTZ-SB-B4-10	KTZ-SB-B5-2	KTZ-SB-B5-4	KTZ-SB-B5-6	KTZ-SB-B5-8	KTZ-SB-B5-10
			LABORATORY ID:	480-110378-58	480-110378-57	480-110378-53	480-110378-54	480-110378-55	NA	NA	480-110378-50	480-110378-51	480-110378-52
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	NA	NA	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.23 U	0.45 U	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Aroclor 1221	NS	NS	0.23 U	0.45 U	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Aroclor 1232	NS	NS	0.23 U	0.45 U	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Aroclor 1242	NS	NS	0.23 U	**7.4**	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Aroclor 1248	NS	NS	**1.8**	0.45 U	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Aroclor 1254	NS	NS	**1.0**	**1.1**	0.22 U	0.22 U	0.24 U	NR	NR	**180**	0.27 U	0.30 U
	Aroclor 1260	NS	NS	**0.64**	0.45 U	0.22 U	0.22 U	0.24 U	NR	NR	14 U	0.27 U	0.30 U
	Total PCBs	0.1	1/10**	**3.44**	**8.5**	0.22 U	0.22 U	0.24 U	NR	NR	**180**	0.27 U	0.30 U

			SAMPLE ID:	KTZ-SB-B6-2	KTZ-SB-B6-4	KTZ-SB-B6-6	KTZ-SB-B6-8	KTZ-SB-B6-10	KTZ-SB-B7-2	KTZ-SB-B7-4	KTZ-SB-B7-6	KTZ-SB-B7-8	KTZ-SB-B7-10
			LABORATORY ID:	NA	480-110378-45	480-110378-46	480-110378-47	480-110378-48	NA	NA	NA	NA	NA
			COLLECTION DATE:	NA	11/29/2016	11/29/2016	11/29/2016	11/29/2016	NA	NA	NA	NA	NA
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	NR	1.6 U	0.50 U	1.3 U	0.23 U	NR	NR	NR	NR	NR
	Aroclor 1221	NS	NS	NR	1.6 U	0.50 U	1.3 U	0.23 U	NR	NR	NR	NR	NR
	Aroclor 1232	NS	NS	NR	1.6 U	0.50 U	1.3 U	0.23 U	NR	NR	NR	NR	NR
	Aroclor 1242	NS	NS	NR	1.6 U	**3.1** J	1.3 U	**0.55**	NR	NR	NR	NR	NR
	Aroclor 1248	NS	NS	NR	**20**	0.50 U	**3.9** J	0.23 U	NR	NR	NR	NR	NR
	Aroclor 1254	NS	NS	NR	**27**	**6.9**	1.3 U	0.23 U	NR	NR	NR	NR	NR
	Aroclor 1260	NS	NS	NR	**11**	**5.0**	**21** J	**1.7**	NR	NR	NR	NR	NR
	Total PCBs	0.1	1/10**	NR	**58**	**15.0** J	**24.9** J	**2.25**	NR	NR	NR	NR	NR

			SAMPLE ID:	KTZ-SB-C1-2	KTZ-SB-C1-4	KTZ-SB-C1-6	KTZ-SB-C1-8	KTZ-SB-C1-10	KTZ-SB-C2-2	KTZ-SB-C2-4	KTZ-SB-C2-6	KTZ-SB-C2-8	KTZ-SB-C2-10
			LABORATORY ID:	480-110378-56	480-110378-49	480-110378-1	480-110378-2	480-110378-3	480-110378-4	480-110378-5	480-110378-6	480-110378-7	480-110378-8
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.29 U	1.1 U	0.25 U	0.20 U	0.26 U	1.1 U	0.22 U	0.24 U	0.22 U	0.22 U
	Aroclor 1221	NS	NS	0.29 U	1.1 U	0.25 U	0.20 U	0.26 U	1.1 U	0.22 U	0.24 U	0.22 U	0.22 U
	Aroclor 1232	NS	NS	0.29 U	1.1 U	0.25 U	0.20 U	0.26 U	1.1 U	0.22 U	0.24 U	0.22 U	0.22 U
	Aroclor 1242	NS	NS	**1.9**	1.1 U	0.25 U	0.20 U	0.26 U	1.1 U	0.22 U	**6.7**	0.22 U	0.22 U
	Aroclor 1248	NS	NS	0.29 U	1.1 U	**0.39**	0.20 U	0.26 U	**13**	**3.2**	0.24 U	**2.0**	0.22 U
	Aroclor 1254	NS	NS	**1.9**	1.1 U	0.25 U	0.20 U	0.26 U	**4.0**	**2.4** J	**2.8**	**1.5**	0.22 U
	Aroclor 1260	NS	NS	**1.7**	1.1 U	0.25 U	0.20 U	0.26 U	**2.6**	**3.1**	**1.7** J	**1.2**	0.22 U
	Total PCBs	0.1	1/10**	**5.5**	1.1 U	**0.39**	0.20 U	0.26 U	**19.6**	**8.7** J	**11.2** J	**4.7**	0.22 U

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-C3-2	KTZ-SB-C3-4	KTZ-SB-C3-6	KTZ-SB-C3-8	KTZ-SB-C3-10	KTZ-SB-C4-2	KTZ-SB-C4-4	KTZ-SB-C4-6	KTZ-SB-C4-8	KTZ-SB-C4-10
			LABORATORY ID:	480-110378-10	480-110378-9	480-110378-11	480-110378-12	480-110378-13	480-110378-14	480-110378-15	480-110378-16	480-110378-17	480-110378-18
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	1.3 U	0.27 U	0.24 U	0.22 U	0.26 U	51 U	0.23 U	0.28 U	0.22 U	0.22 U
	Aroclor 1221	NS	NS	1.3 U	0.27 U	0.24 U	0.22 U	0.26 U	51 U	0.23 U	0.28 U	0.22 U	0.22 U
	Aroclor 1232	NS	NS	1.3 U	0.27 U	0.24 U	0.22 U	0.26 U	51 U	0.23 U	0.28 U	0.22 U	0.22 U
	Aroclor 1242	NS	NS	**17** J+	0.27 U	**0.28** NJ	0.22 U	0.26 U	**93** NJ	0.23 U	**1.8**	**1.2** J	**1.0**
	Aroclor 1248	NS	NS	1.3 U	0.27 U	0.24 U	0.22 U	0.26 U	51 U	0.23 U	0.28 U	0.22 U	0.22 U
	Aroclor 1254	NS	NS	1.3 U	0.27 U	0.24 U	0.22 U	0.26 U	51 U	0.23 U	**1.9** J	0.22 U	0.22 U
	Aroclor 1260	NS	NS	**41**	0.27 U	**5.2**	**2.0**	**0.15** J	**1,000**	**0.76**	**2.8**	**3.9**	**0.94**
	Total PCBs	0.1	1/10**	**58** J+	0.27 U	**5.48** J	**2.0**	**0.15** J	**1,093** J	**0.76**	**6.5** J	**5.1** J	**1.94**

			SAMPLE ID:	KTZ-SB-C5-2	KTZ-SB-C5-4	KTZ-SB-C5-6	KTZ-SB-C5-8	KTZ-SB-C5-10	KTZ-SB-C6-2	KTZ-SB-C6-4	KTZ-SB-C6-6	KTZ-SB-C6-8	KTZ-SB-C6-10
			LABORATORY ID:	480-110378-19	480-110378-20	480-110378-21	480-110378-22	480-110378-23	NA	NA	480-110378-25	480-110378-24	480-110378-26
			COLLECTION DATE:	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	NA	NA	11/29/2016	11/29/2016	11/29/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	2	4	6	8	10
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	10 U	4.9 U	0.26 U	0.24 U	0.25 U	NR	NR	1.3 U	0.28 U	0.57 U
	Aroclor 1221	NS	NS	10 U	4.9 U	0.26 U	0.24 U	0.25 U	NR	NR	1.3 U	0.28 U	0.57 U
	Aroclor 1232	NS	NS	10 U	4.9 U	0.26 U	0.24 U	0.25 U	NR	NR	1.3 U	0.28 U	0.57 U
	Aroclor 1242	NS	NS	**190**	4.9 U	0.26 U	0.24 U	0.25 U	NR	NR	**28**	**10**	**18**
	Aroclor 1248	NS	NS	10 U	4.9 U	0.26 U	0.24 U	0.25 U	NR	NR	1.3 U	0.28 U	0.57 U
	Aroclor 1254	NS	NS	**270**	**89**	**4.7**	**3.2**	**1.7**	NR	NR	**22**	0.28 U	0.57 U
	Aroclor 1260	NS	NS	**160**	**31** J	**3.2**	**1.6**	**0.95**	NR	NR	**19**	**7.7**	**18** J+
	Total PCBs	0.1	1/10**	**620**	**120** J	**7.9**	**4.8**	**2.65**	NR	NR	**69**	**17.7**	**36** J+

			SAMPLE ID:	KTZ-SB-C7-2	KTZ-SB-C7-4	KTZ-SB-C7-6	KTZ-SB-C7-8	KTZ-SB-C7-10	KTZ-SB-C7-12	KTZ-SB-C7-14	KTZ-SB-D1-2	KTZ-SB-D1-4	KTZ-SB-D1-6
			LABORATORY ID:	NA	480-110378-27	NA	NA	480-110378-41	480-110378-40	480-110378-28	NA	NA	NA
			COLLECTION DATE:	NA	11/30/2016	NA	NA	11/30/2016	11/30/2016	11/30/2016	NA	NA	NA
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	2	4	6	8	10	12	14	2	4	6
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	NR	0.28 U	NR	NR	0.28 U	0.22 U	0.23 U	NR	NR	NR
	Aroclor 1221	NS	NS	NR	0.28 U	NR	NR	0.28 U	0.22 U	0.23 U	NR	NR	NR
	Aroclor 1232	NS	NS	NR	0.28 U	NR	NR	0.28 U	0.22 U	0.23 U	NR	NR	NR
	Aroclor 1242	NS	NS	NR	0.28 U	NR	NR	0.28 U	0.22 U	0.23 U	NR	NR	NR
	Aroclor 1248	NS	NS	NR	0.28 U	NR	NR	**1.4**	0.22 U	0.23 U	NR	NR	NR
	Aroclor 1254	NS	NS	NR	**6.4**	NR	NR	**1.6**	**0.64**	0.23 U	NR	NR	NR
	Aroclor 1260	NS	NS	NR	**5.1**	NR	NR	**1.1**	**0.47**	0.23 U	NR	NR	NR
	Total PCBs	0.1	1/10**	NR	**11.5**	NR	NR	**4.1**	**1.11**	0.23 U	NR	NR	NR

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-D1-8	KTZ-SB-D1-10	KTZ-SB-D2-2	KTZ-SB-D2-4	KTZ-SB-D2-6	KTZ-SB-D2-8	KTZ-SB-D2-10	KTZ-SB-D2-12	KTZ-SB-D2-14	KTZ-SB-D3-2
			LABORATORY ID:	480-110378-29	480-110378-33	NA	480-110378-42	NA	NA	480-110378-39	NA	480-110378-30	480-110378-34
			COLLECTION DATE:	11/30/2016	11/30/2016	NA	11/30/2016	NA	NA	11/30/2016	NA	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	8	10	2	4	6	8	10	12	14	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	1.3 U	0.23 U	NR	2.9 U	NR	NR	1.3 U	NR	0.24 U	25 U
	Aroclor 1221	NS	NS	1.3 U	0.23 U	NR	2.9 U	NR	NR	1.3 U	NR	0.24 U	25 U
	Aroclor 1232	NS	NS	1.3 U	0.23 U	NR	2.9 U	NR	NR	1.3 U	NR	0.24 U	25 U
	Aroclor 1242	NS	NS	**22**	**0.69**	NR	2.9 U	NR	NR	1.3 U	NR	**0.32** J	**480**
	Aroclor 1248	NS	NS	1.3 U	0.23 U	NR	**67**	NR	NR	**21**	NR	0.24 U	25 U
	Aroclor 1254	NS	NS	1.3 U	0.23 U	NR	2.9 U	NR	NR	1.3 U	NR	0.24 U	25 U
	Aroclor 1260	NS	NS	1.3 U	0.23 U	NR	2.9 U	NR	NR	**12**	NR	**0.43**	25 U
	Total PCBs	0.1	1/10**	**22**	**0.69**	NR	**67**	NR	NR	**33**	NR	**0.75** J	**480**

			SAMPLE ID:	KTZ-SB-D3-4	KTZ-SB-D3-6	KTZ-SB-D3-8	KTZ-SB-D3-10	KTZ-SB-D4-2	KTZ-SB-D4-4	KTZ-SB-D4-6	KTZ-SB-D4-8	KTZ-SB-D4-10	KTZ-SB-D5-2
			LABORATORY ID:	480-110378-35	480-110378-36	480-110378-31	480-110378-32	NA	480-110378-37	480-110378-43	480-110378-44	480-110378-38	480-110378-136
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	NA	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.24 U	0.25 U	0.51 U	0.25 U	NR	2.1 U	4.6 U	0.30 U	0.29 U	0.26 U
	Aroclor 1221	NS	NS	0.24 U	0.25 U	0.51 U	0.25 U	NR	2.1 U	4.6 U	0.30 U	0.29 U	0.26 U
	Aroclor 1232	NS	NS	0.24 U	0.25 U	0.51 U	0.25 U	NR	2.1 U	4.6 U	0.30 U	0.29 U	0.26 U
	Aroclor 1242	NS	NS	0.24 U	**0.26** J	**11**	**0.68**	NR	**79**	**83**	**0.13** J	**3.6**	0.26 U
	Aroclor 1248	NS	NS	0.24 U	0.25 U	0.51 U	0.25 U	NR	2.1 U	4.6 U	0.30 U	0.29 U	**2.6**
	Aroclor 1254	NS	NS	0.24 U	0.25 U	0.51 U	0.25 U	NR	2.1 U	4.6 U	0.30 U	0.29 U	**2.2**
	Aroclor 1260	NS	NS	0.24 U	0.25 U	**0.31** J	**0.25**	NR	**31**	**15**	0.30 U	0.29 U	0.26 U
	Total PCBs	0.1	1/10**	0.24 U	**0.26** J	**11.31** J	**0.93**	NR	**110**	**98**	**0.13** J	**3.6**	**4.8**

			SAMPLE ID:	KTZ-SB-D5-4	KTZ-SB-D5-6	KTZ-SB-D5-8	KTZ-SB-D5-10	KTZ-SB-D6-2	KTZ-SB-D6-4	KTZ-SB-D6-6	KTZ-SB-D6-8	KTZ-SB-D6-10	KTZ-SB-D7-2
			LABORATORY ID:	480-110378-135	480-110378-134	480-110378-133	480-110378-132	480-110378-131	480-110378-130	480-110378-129	480-110378-128	480-110378-127	NA
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	NA
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.31 U	0.32 U	0.29 U	0.27 U	0.57 U	0.24 U	0.23 U	0.21 U	0.28 U	NR
	Aroclor 1221	NS	NS	0.31 U	0.32 U	0.29 U	0.27 U	0.57 U	0.24 U	0.23 U	0.21 U	0.28 U	NR
	Aroclor 1232	NS	NS	0.31 U	0.32 U	0.29 U	0.27 U	0.57 U	0.24 U	0.23 U	0.21 U	0.28 U	NR
	Aroclor 1242	NS	NS	0.31 U	0.32 U	**0.34** J	**0.14** J	**13**	0.24 U	0.23 U	0.21 U	0.28 U	NR
	Aroclor 1248	NS	NS	0.31 U	**0.78**	0.29 U	0.27 U	0.57 U	0.24 U	0.23 U	**0.25**	0.28 U	NR
	Aroclor 1254	NS	NS	0.31 U	0.32 U	**0.35**	0.27 U	0.57 U	0.24 U	0.23 U	0.21 U	0.28 U	NR
	Aroclor 1260	NS	NS	0.31 U	0.32 U	**0.41**	0.27 U	**4.5**	0.24 U	0.23 U	**0.53**	**0.19** J	NR
	Total PCBs	0.1	1/10**	0.31 U	**0.78**	**1.10** J	**0.14** J	**17.5**	0.24 U	0.23 U	**0.78**	**0.19** J	NR

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-D7-4	KTZ-SB-D7-6	KTZ-SB-D7-8	KTZ-SB-D7-10	KTZ-SB-E1-2	KTZ-SB-E1-4	KTZ-SB-E1-6	KTZ-SB-E1-8	KTZ-SB-E1-10	KTZ-SB-E2-2
			LABORATORY ID:	NA	480-110378-126	480-110378-125	480-110378-121	480-110378-124	480-110378-122	NA	NA	480-110378-123	480-110378-120
			COLLECTION DATE:	NA	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	NA	NA	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	NR	0.35 U	0.31 U	0.27 U	0.29 U	0.32 U	NR	NR	0.27 U	1.5 U
	Aroclor 1221	NS	NS	NR	0.35 U	0.31 U	0.27 U	0.29 U	0.32 U	NR	NR	0.27 U	1.5 U
	Aroclor 1232	NS	NS	NR	0.35 U	0.31 U	0.27 U	0.29 U	0.32 U	NR	NR	0.27 U	1.5 U
	Aroclor 1242	NS	NS	NR	0.35 U	0.31 U	0.27 U	0.29 U	0.32 U	NR	NR	0.27 U	1.5 U
	Aroclor 1248	NS	NS	NR	0.35 U	0.31 U	0.27 U	0.29 U	0.32 U	NR	NR	0.27 U	**19**
	Aroclor 1254	NS	NS	NR	**4.0**	**3.5**	0.27 U	**1.3**	0.32 U	NR	NR	0.27 U	1.5 U
	Aroclor 1260	NS	NS	NR	**4.5**	**3.6**	0.27 U	**0.91** J-	0.32 U	NR	NR	0.27 U	1.5 U
	Total PCBs	0.1	1/10**	NR	**8.5**	**7.1**	0.27 U	**2.21** J-	0.32 U	NR	NR	0.27 U	**19**

			SAMPLE ID:	KTZ-SB-E2-4	KTZ-SB-E2-6	KTZ-SB-E2-8	KTZ-SB-E2-10	KTZ-SB-E3-2	KTZ-SB-E3-4	KTZ-SB-E3-6	KTZ-SB-E3-8	KTZ-SB-E3-10	KTZ-SB-E4-2
			LABORATORY ID:	480-110378-119	480-110378-118	480-110378-117	480-110378-116	480-110378-115	480-110378-114	480-110378-113	480-110378-111	480-110378-112	480-110378-109
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.25 U	0.30 U	0.31 U	0.23 U	1.2 UJ	0.24 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Aroclor 1221	NS	NS	0.25 U	0.30 U	0.31 U	0.23 U	1.2 UJ	0.24 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Aroclor 1232	NS	NS	0.25 U	0.30 U	0.31 U	0.23 U	1.2 UJ	0.24 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Aroclor 1242	NS	NS	0.25 U	**0.14** J	0.31 U	0.23 U	1.2 UJ	0.24 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Aroclor 1248	NS	NS	**0.44**	0.30 U	0.31 U	0.23 U	**17** J-	0.24 U	0.25 U	0.21 U	0.23 U	**2.1** J-
	Aroclor 1254	NS	NS	0.25 U	0.30 U	0.31 U	0.23 U	**18** J-	0.240 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Aroclor 1260	NS	NS	0.25 U	0.30 U	0.31 U	0.23 U	**6.8** J-	0.24 U	0.25 U	0.21 U	0.23 U	0.28 UJ
	Total PCBs	0.1	1/10**	**0.44**	**0.14** J	0.31 U	0.23 U	**41.8** J-	0.24 U	0.25 U	0.21 U	0.23 U	**2.1** J-

			SAMPLE ID:	KTZ-SB-E4-4	KTZ-SB-E4-6	KTZ-SB-E4-8	KTZ-SB-E4-10	KTZ-SB-E5-2	KTZ-SB-E5-4	KTZ-SB-E5-6	KTZ-SB-E5-8	KTZ-SB-E5-10	KTZ-SB-E6-2
			LABORATORY ID:	480-110378-110	480-110378-105	NA	480-110378-106	480-110378-108	480-110378-107	480-110378-101	480-110378-102	480-110378-103	480-110378-104
			COLLECTION DATE:	11/30/2016	11/30/2016	NA	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.23 U	0.26 U	NR	0.24 U	0.27 UJ	0.48 U	0.27 U	0.24 U	0.25 U	0.60 U
	Aroclor 1221	NS	NS	0.23 U	0.26 U	NR	0.24 U	0.27 UJ	0.48 U	0.27 U	0.24 U	0.25 U	0.60 U
	Aroclor 1232	NS	NS	0.23 U	0.26 U	NR	0.24 U	0.27 UJ	0.48 U	0.27 U	0.24 U	0.25 U	0.60 U
	Aroclor 1242	NS	NS	0.23 U	0.26 U	NR	**0.63**	**1.2** J	**1.9** J	**0.21** J	0.24 U	0.25 U	**7.4** J
	Aroclor 1248	NS	NS	0.23 U	0.26 U	NR	0.24 U	0.27 UJ	0.48 U	0.27 U	0.24 U	**0.22** J	0.60 U
	Aroclor 1254	NS	NS	0.23 U	0.26 U	NR	**0.19** J	**2.0** J-	0.48 U	0.27 U	0.24 U	0.25 U	0.60 U
	Aroclor 1260	NS	NS	0.23 U	0.26 U	NR	0.24 U	**1.4** J-	**7.1** J	**0.30** J	0.24 U	0.25 U	0.60 U
	Total PCBs	0.1	1/10**	0.23 U	0.26 U	NR	**0.82** J	**4.6** J	**9.0** J	**0.51** J	0.24 U	**0.22** J	**7.4** J

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-E6-4	KTZ-SB-E6-6	KTZ-SB-E6-8	KTZ-SB-E6-10	KTZ-SB-E7-2	KTZ-SB-E7-4	KTZ-SB-E7-6	KTZ-SB-E7-8	KTZ-SB-E7-10	KTZ-SB-F3-2
			LABORATORY ID:	480-110378-97	480-110378-98	480-110378-99	480-110378-100	480-110378-96	480-110378-95	480-110378-94	480-110378-93	480-110378-89	480-110378-90
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.25 U	1.2 U	0.24 U	0.32 U	0.25 U	0.29 U	0.22 U	0.23 U	0.25 U	1.4 U
	Aroclor 1221	NS	NS	0.25 U	1.2 U	0.24 U	0.32 U	0.25 U	0.29 U	0.22 U	0.23 U	0.25 U	1.4 U
	Aroclor 1232	NS	NS	0.25 U	1.2 U	0.24 U	0.32 U	0.25 U	0.29 U	0.22 U	0.23 U	0.25 U	1.4 U
	Aroclor 1242	NS	NS	0.25 U	**20**	**1.3**	0.32 U	0.25 U	0.29 U	0.22 U	0.23 U	**0.10** J	1.4 U
	Aroclor 1248	NS	NS	**0.26**	1.2 U	0.24 U	**0.58**	**2.3**	**0.10** J	**0.22**	**0.20** J	0.25 U	**10**
	Aroclor 1254	NS	NS	0.25 U	1.2 U	0.24 U	0.32 U	**1.6**	0.29 U	0.22 U	0.23 U	0.25 U	**9.5**
	Aroclor 1260	NS	NS	0.25 U	1.2 U	0.24 U	0.32 U	**1.4**	0.29 U	0.22 U	0.23 U	0.25 U	**3.4**
	Total PCBs	0.1	1/10**	**0.26**	**20**	**1.3**	**0.58**	**5.3**	**0.10** J	**0.22**	**0.20** J	**0.10** J	**22.9**

			SAMPLE ID:	KTZ-SB-F3-4	KTZ-SB-F3-6	KTZ-SB-F3-8	KTZ-SB-F3-10	KTZ-SB-F4-2	KTZ-SB-F4-4	KTZ-SB-F4-6	KTZ-SB-F4-8	KTZ-SB-F4-10	KTZ-SB-F5-2
			LABORATORY ID:	480-110378-91	480-110378-92	480-110378-138	480-110378-137	NA	NA	NA	480-110378-141	480-110378-142	480-110378-139
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	NA	NA	NA	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.33 U	0.28 U	0.31 U	0.34 U	NR	NR	NR	0.34 U	0.24 U	0.24 U
	Aroclor 1221	NS	NS	0.33 U	0.28 U	0.31 U	0.34 U	NR	NR	NR	0.34 U	0.24 U	0.24 U
	Aroclor 1232	NS	NS	0.33 U	0.28 U	0.31 U	0.34 U	NR	NR	NR	0.34 U	0.24 U	0.24 U
	Aroclor 1242	NS	NS	0.33 U	0.28 U	0.31 U	0.34 U	NR	NR	NR	0.34 U	0.24 U	0.24 U
	Aroclor 1248	NS	NS	0.33 U	0.28 U	**0.11** J	0.34 U	NR	NR	NR	**0.24** J	0.24 U	0.24 U
	Aroclor 1254	NS	NS	**6.5** J-	0.28 U	0.31 U	0.34 U	NR	NR	NR	**0.17** J	0.24 U	0.24 U
	Aroclor 1260	NS	NS	0.33 U	0.28 U	0.31 U	0.34 U	NR	NR	NR	0.34 U	0.24 U	**0.30**
	Total PCBs	0.1	1/10**	**6.5** J-	0.28 U	**0.11** J	0.34 U	NR	NR	NR	**0.41** J	0.24 U	**0.30**

			SAMPLE ID:	KTZ-SB-F5-4	KTZ-SB-F5-6	KTZ-SB-F5-8	KTZ-SB-F5-10	KTZ-SB-F6-2	KTZ-SB-F6-4	KTZ-SB-F6-6	KTZ-SB-F6-8	KTZ-SB-F6-10	KTZ-SB-F7-2
			LABORATORY ID:	480-110378-140	480-110378-143	480-110378-144	480-110378-145	480-110378-146	480-110378-147	480-110378-148	480-110378-149	480-110378-150	480-110378-151
			COLLECTION DATE:	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016
			UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Depth (ft bgs):	4	6	8	10	2	4	6	8	10	2
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***										
	Aroclor 1016	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	0.27 U
	Aroclor 1221	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	0.27 U
	Aroclor 1232	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	0.27 U
	Aroclor 1242	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	0.27 U
	Aroclor 1248	NS	NS	0.26 U	**0.12** J	0.35 U	0.27 U	**0.14** J	0.29 U	0.25 U	**0.41**	0.34 U	**0.59**
	Aroclor 1254	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	**0.91**
	Aroclor 1260	NS	NS	0.26 U	0.29 U	0.35 U	0.27 U	0.23 U	0.29 U	0.25 U	0.28 U	0.34 U	**0.88**
	Total PCBs	0.1	1/10**	0.26 U	**0.12** J	0.35 U	0.27 U	**0.14** J	0.29 U	0.25 U	**0.41**	0.16 U	**2.38**

Table 7
New York State Department of Environmental Conservation
Katzman Recycling - Granville, New York
Summary of Results of Analysis of Supplemental Direct Push Soil for PCBs (November 2016)

			SAMPLE ID:	KTZ-SB-F7-4		KTZ-SB-F7-6	KTZ-SB-F7-8	KTZ-SB-F7-10	
			LABORATORY ID:	480-110378-152		480-110378-153	NA	480-110378-154	
			COLLECTION DATE:	11/30/2016		11/30/2016	NA	11/30/2016	
			UNITS:	mg/kg		mg/kg	mg/kg	mg/kg	
			Sample Depth (ft bgs):	4		6	8	10	
PCBs		**Unrestricted Use SCO***	**Commercial Use SCO***						
	Aroclor 1016	NS	NS	0.30	U	0.27	U	NR	0.28 U
	Aroclor 1221	NS	NS	0.30	U	0.27	U	NR	0.28 U
	Aroclor 1232	NS	NS	0.30	U	0.27	U	NR	0.28 U
	Aroclor 1242	NS	NS	**0.060**	J	0.27	U	NR	0.28 U
	Aroclor 1248	NS	NS	0.30	U	**0.065**	J	NR	0.28 U
	Aroclor 1254	NS	NS	0.30	U	0.27	U	NR	0.28 U
	Aroclor 1260	NS	NS	0.30	U	0.27	U	NR	0.28 U
	Total PCBs	0.1	1/10**	**0.060**	J	**0.065**	J	NR	0.28 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm)
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
NJ - Estimated value; presumptive evidence of compound.
NS - No NYSDEC standards exist for this analyte.
NR - No sample recovery from the soil boring.
U - Analyte was not detected above the laboratory quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates results are equal to or above the corresponding SCO.
PCBs - Polychlorinated biphenyls.
SCO - Soil Cleanup Objective.
Sample depth represents bottom of sample interval.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives, December 14, 2006.
** - The NYSDEC Commercial Use SCO for PCBs is 1 mg/kg for surface soils, 10 mg/kg for soils at depth.

APPENDIX A

NYSDEC Site Sampling Documentation

APPENDIX B

Precision IRM Documentation

APPENDIX C

Wetland Determination Data Forms

APPENDIX D

Test Pit Logs

APPENDIX E

Test Pit Laboratory Analytical Reports

APPENDIX F

Surface Soil, Surface Water, and Sediment Laboratory Analytical Reports

APPENDIX G

Direct Push Boring Logs

APPENDIX H

Direct Push Laboratory Analytical Reports

APPENDIX I

Monitoring Well Construction Logs

APPENDIX J

Monitoring Well Development Logs

APPENDIX K

Low-Flow Sampling Records

APPENDIX L

Groundwater Laboratory Analytical Reports

APPENDIX M

Supplemental PCB Investigation Boring Logs

APPENDIX N

Supplemental PCB Investigation Laboratory Analytical Reports

APPENDIX O

Wipe Sampling Analytical Reports

APPENDIX P

Tank Closure Summary Report

APPENDIX Q

Waste Disposal Manifests

APPENDIX R

Data Usability Summary Reports