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KAS INC.
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ENVIRONMENTAL & GEOLOGICAL CONSULTING

February 1, 2013

Mr. George Moore
Owner
George Moore Trucking & Equipment
1456 Route 9
PO Box 385
Keeseville, New York 12944

RE: Soil Sampling and Groundwater Monitoring Summary – Scrap Yard and Sampling of Core Sand – Former Weld Shop

Dear Mr. Moore:

KAS, Inc. (KAS) is pleased to provide this summary of the property investigation work performed at the Scrap Yard and Former Weld Shop in Keeseville, New York. This investigation focused on shallow to intermediate soils in three areas of highest concern at the Scrap Yard (Areas of Concern (AOC) A, D and E), sampling of groundwater at the Scrap Yard from four monitoring wells and soil sampling of a stock pile of core sand at the former Weld Shop.

This is a preliminary investigation and the scope of work developed was to identify and characterize areas with the highest potential for contamination at the Scrap Yard, to re-sample groundwater at the Scrap Yard, and to determine if the core sand at the Weld Shop contains concentrations of metals above regulatory limits. Based on the historic use of the Scrap Yard, the primary focus was regarding metal contamination in the shallow soil and volatile, semi-volatile and PCB contamination in the shallow and intermediate soils. AOC A, D and E are known to be the locations for current and past vehicle staging and crushing and the most abundant storage of vehicles and equipment.

The core sand at the former Weld Shop originated from Alcoa in Massena, New York. Given the origin of the sand, NYSDEC has expressed concern with the potential for metal contamination.

The following is a brief overview of the scope of work and results from the investigation. KAS has also attached the following: (1) Sample Location Map; (2) Summary of Laboratory Results; (3) Test Pit Data; (4) Groundwater Data; and, (5) Laboratory Report.

Shallow/Intermediate Soils – AOC A, D and E

To investigate shallow and intermediate soils in AOC A, D and E, KAS installed shallow soil borings to a depth of 6 inches below grade surface (bgs) using a hand auger and test pits to depths ranging from 5 to 10 feet bgs. A total of 9 shallow soil borings were installed in AOC A (SB-A-1 through SB-A-9) with 8 shallow soil borings in AOC D (SB-D-1 through SB-D-8) and 5 shallow soil borings in AOC E (SB-E-1 through SB-E-5). The locations were selected based on areas of most extensive use and storage of scrap metal in the AOCs and are considered to be representative of surface conditions. A total of three composite soil samples were collected from the borings in AOC A, two composite samples from AOC D and one composite sample from AOC E. The soil was collected from each boring, homogenized and then placed in laboratory provided containers. The soil samples were submitted to Accutest of Marlborough, MA for analysis of Targeted Analyte List (TAL) Metals by EPA Method SW846 6010C and 7471B. Shallow soil samples collected for laboratory analysis included SB-A-1,2,3, SB-A-4,5,6, SB-A-7,8,9, SB-D-1-4, SB-D-5,6,7,8 and SB-E-1-5.

Laboratory results from the shallow composite samples were compared to unrestricted use standards outlined in NYSDEC Subpart 375-6.8 – Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives and commercial and industrial use standards outlined in NYSDEC Subpart 375-6.8 – Table 375-6.8(b) Restricted Use Soil Cleanup Objectives. The unrestricted use standard is typically used initially to avoid restriction on the site. If a use restriction is placed on the site, applicable regulations (i.e., industrial use standards) may be able to be applied to this commercial/industrial zoned property. Lead and Zinc were detected above the unrestricted use standard in each of the shallow composite samples. No other metals were detected above the unrestricted use standard in the shallow soil samples in AOC A. In the shallow soil samples in AOC D and E, Cadmium, Chromium, Copper and Nickel were also detected above unrestricted use standards. The only shallow soil sample results that exceeded commercial and/or industrial use standards were Cadmium in SB-D-1-4, Lead in SB-D-5,6,7,8 and Copper in SB-E-1-5.

To investigate intermediate soils, KAS installed a total of 10 test pits in AOC A, 9 test pits in AOC D and 8 test pits in AOC E. Mr. Greg Handly of NYSDEC was present during the excavation of the majority of test pits in AOC A and E. Historic solid waste disposal was evident in portions of AOC A (TP-A-1, TP-A-4 and TP-A-5) and AOC E. It is known that portions of the Scrap Yard were formerly owned by the Village and used as a municipal waste facility prior to the current owner's use. Based on field observations from the test pits, the solid waste historically placed in the former municipal dump appears to have consisted of household refuse with remnants of broken glass, glass bottles, refrigerators, washing machines and metal objects remaining. In addition to field observations from the test pits, KAS field screened the soil for the presence of volatile organic

compounds (VOCs) using a photoionization detector (PID). Soil samples for volatile, semi-volatile, PCBs, pesticides and ethylene and propylene glycol laboratory analysis were selected from test pits that exhibited the highest PID readings within a given AOC. Additionally, soil from each test pit within a given AOC was composited for analysis of metals. Soil samples collected for laboratory analysis included TP-A-1, TP-A-1-10, TP-A-5, TP-D-6, TP-D-1-9, TP-E-5, TP-E-9 (duplicate to TP-E-5), TP-E-1-8 and TP-F-1-8 (duplicate to TP-E-1-8). Grab samples from TP-A-1, TP-D-6, TP-E-5 and TP-E-9 (duplicate to TP-E-5) were analyzed for Target Compound List (TCL) Volatiles + 10 by EPA Method SW846 8260B, TCL Semi-Volatiles +20 by EPA Method SW846 8270C, PCBs/Pesticides by EPA Method SW846 8081/8082 and Ethylene and Propylene Glycol by Method DAI. An additional grab sample was collected from TP-A-5 and analyzed for TCL Volatiles +10 by EPA Method SW846 8260B. The composite samples collected from the test pits in each AOC (TP-A-1-10, TP-D-1-9, TP-E-1-8 and TP-F-1-8 (duplicate to TP-E-1-8) were analyzed for TAL Metals by EPA Method SW846 6010B and 7471B. Noted that a full quality assurance/quality control packet as well as duplicate samples were collected to allow for future validation of this data should the need arise.

Laboratory results from the soil samples from the test pits were also compared to unrestricted use standards and commercial and industrial use standards. Benzene, toluene, ethylbenzene and total xylene (BTEX) and PCB contaminants were identified in the test pits in AOC A (TP-A-1 and TP-A-5) above the unrestricted use standards. Low level metal detections, consistent with shallow soil concentrations, were identified in the composite sample collected from the test pits in AOC A (TP-A-1-10). PCB concentrations above the unrestricted use standards were detected in the soil samples collected from test pits in AOC D and E (TP-D-6 and TP-E-5). Metals concentrations exhibited in the soils collected from the test pits in AOC D and E (TP-D-1-9 and TP-E-1-8) were above unrestricted use standards for Cadmium, Copper, Lead and Zinc, but generally consistent with shallow soil samples collected with the exception of Lead in AOC D (TP-D-1-9). The only soil sample results from the test pits that exceeded the commercial and/or industrial use standard included PCBs in TP-A-1 and Lead in TP-D-1-9.

Groundwater – Scrap Yard

KAS was able to locate 4 of 5 monitoring wells previously installed at the Scrap Yard. Monitoring well Grove-1 appeared to have been destroyed. KAS measured the depth to groundwater and the total depth of the monitoring wells. KAS has attached a table providing this data. Three well volumes were purged from the monitoring wells prior to sampling. KAS sampled the monitoring wells for volatile organic compounds (VOCs), only. VOCs are typically more mobile that most other contaminants especially metals; therefore, it is most likely if contamination is present that VOCs would be detected. The groundwater

samples were analyzed for TCL Volatiles + 10 by EPA Method SW846 8260B. No detections were identified above reporting limits.

Core Sand – Former Weld Shop

KAS collected a composite soil sample from four sub-locations of the core sand pile at the former Weld Shop. The sub-locations were along the north and south sides of the pile and approximately 4 to 5 feet deep using an excavator. The other sub-locations were along the top of the pile and were hand excavated to an approximate depth of 2 feet. Soil was collected from each sub-location, homogenized and placed in laboratory provided containers. The sample is considered to be representative of the core sand present in the pile. The sample was submitted for analysis of TAL Metals by EPA Method SW846 6010B and 7471B. Laboratory results were compared to the unrestricted use standard outlined in NYSDEC Subpart 375-6.8(a) and none the detections were above the standards.

Conclusion and Recommendations

Historic solid waste was detected in portions of AOC A and AOC E at the Scrap Yard and appears to have consisted of typical household refuse with glass and metal objects remaining. The solid waste is likely associated with the former Village municipal dump active on the site prior to current ownership. There does not appear to be any significant contamination associated with the solid waste.

An isolated pocket of volatile and PCB soil contamination proximate to the car crusher and storage area was detected in AOC A. The concentrations of volatiles were above unrestricted use standards, but below commercial and industrial use standards. The PCBs detected in TP-A-1 were above unrestricted use and commercial standards, but below industrial use standards. The contamination is thought to be associated with car crushing activities performed in this area. Other volatile and PCB concentrations were detected in AOC D and E slightly above unrestricted use standards, but below commercial and industrial use standards. These low level detections are likely associated with the staging and storage of vehicles in AOC D and the former crushing, staging and storage of vehicles in AOC E and appear to be isolated.

The metals concentrations in shallow and intermediate soils included exceedences of the unrestricted use standard for Lead, Zinc, Cadmium, Copper, Chromium and Nickel. The only exceedences of the commercial and/or industrial use standard for metals were from two soil samples for Lead, one soil sample for Copper and one soil sample for Cadmium.

No contamination was detected in the monitoring wells at the Scrap Yard. Additional monitoring wells would need to be installed at the site to further

evaluate site-wide groundwater conditions. However, the lack of volatile contamination in the four groundwater monitoring wells sampled indicates that the magnitude of any groundwater contamination is likely to be limited in both concentration and area. The property is serviced by municipal water and sewer.

The volatile, PCB and metal contamination detected in soils at the Scrap Yard constitutes a spill and must be reported to NYSDEC. It is likely that the volatile and PCB contamination in AOC A will require further investigation and remediation, but the majority of metal and low level volatile and PCB contamination detected in AOC D and E can be handled under a site-wide management plan.

The concentrations of metals in the core sand at the former Weld Shop were below unrestricted, commercial and industrial use standards. Therefore, additional action, investigation or sampling of the core sand does not appear warranted.

Please feel free to contact either Erik Sandblom or myself with any questions.

Sincerely,

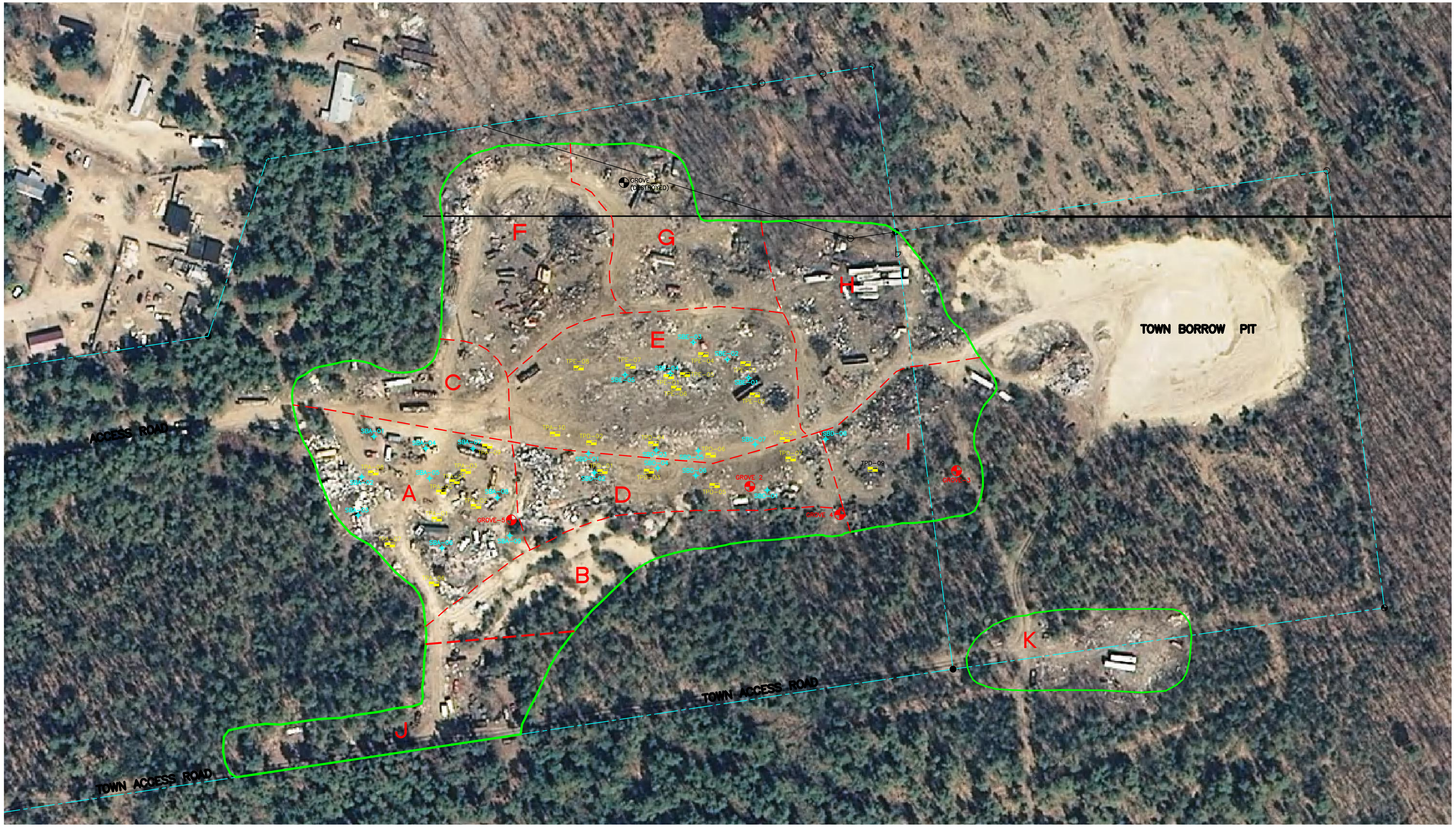
Aaron Roth
Branch Manager

Attachments: (1) Sample Location Map; (2) Laboratory Results Summary; (3) Test Pit Data; (4) Groundwater Data; and, (5) Laboratory Results

CC: 407125024

Attachment 1

Sample Location Map



A / SP-1 SAMPLE LOCATION MAP
SCALE (24"X36"): 1"=80'
SCALE (11"X17"): 1"=160'

MAP LEGEND

- PROPERTY LINE
- AREA OF CONCERN INNER SUB-BOUNDARY
- AREA OF CONCERN OUTER BOUNDARY
- EXISTING MONITORING WELL
- TRENCH TEST PITS
- SHALLOW HAND AUGERS
- G — SUB AREA OF CONCERN LABEL

GRAPHIC SCALE

80' 0 40' 80' 160' 240'

(IN FEET)
1 inch = 80' ft.

SAMPLE LOCATION MAP FOR SUBSURFACE INVESTIGATION 12/13/12 TO 12/14/12

REVISIONS	BY

KAS INC.
P.O. BOX 787, WILLISTON, VT. 05495
WWW.KAS-CONSULTING .COM

SCRAP YARD
GROVE STREET
KEESEVILLE, NEW YORK

DRAWN	SJD
CHECKED	AR/ES
DATE	12/18/11
SCALE	1"=80'
JOB NO.	407125024
SHEET	SLM-1

Attachment 2

Laboratory Results Summary

Laboratory Results Summary					
Location	**Contaminant**	**Lab Result (mg/kg)**	**Unrestricted Use (mg/kg)**	**Commercial Use (mg/kg)**	**Industrial Use (mg/kg)**
TP-A-1	Benzene	**0.323**	0.06	44	89
	Ethylbenzene	**1.400**	1.00	390	780
	Toluene	**2.630**	0.7	500	1,000
	Xylene (total)	**18.100**	0.26	500	1,000
	PCBs[1]	**1.521**	0.1	1	25
TP-A-1-10	Aluminum	3,970	N/A	N/A	N/A
	Arsenic	1.3	13	16	16
	Barium	25.5	350	400	10,000
	Cadmium	0.83	2.5	9.3	60
	Calcium	2370	N/A	N/A	N/A
	Chromium	7.4	30	1,500	6,800
	Copper	25.1	50	270	10,000
	Iron	12300	N/A	N/A	N/A
	Lead	**93.1**	63	1,600	3,900
	Magnesium	834	N/A	N/A	N/A
	Manganese	90.6	1,600	10,000	10,000
	Mercury	0.099	1.8	2.8	5.7
	Nickel	8.1	30	310	10,000
	Vanadium	6.1	N/A	N/A	N/A
	Zinc	**221**	109	10,000	10,000
TP-A-5	Benzene	**0.145**	0.06	44	89
	Ethlybenzene	**1.320**	1.0	390	780
	Toluene	**1.300**	0.7	500	1,000
	Xylene (total)	**9.260**	0.26	500	1,000
TP-D-6	Acetone	**0.169**	0.05	500	1,000
	Benzene	0.017	0.06	44	89
	Bromomethane	0.017	N/A	N/A	N/A
	2-Butanone	0.259	N/A	N/A	N/A
	Ethlybenzene	0.029	1.0	390	780
	4-Methyl-2-pentanone (MIBK)	0.009	N/A	N/A	N/A
	Toluene	0.074	0.7	500	1,000
	Xylene (total)	0.194	0.26	500	1,000
	PCBs[1]	**0.805**	0.1	1	25
TP-D-1-9	Aluminum	4,920	N/A	N/A	N/A
	Antimony	8.0	N/A	N/A	N/A
	Arsenic	2.5	13	16	16
	Barium	75.1	350	400	10,000
	Cadmium	2.4	2.5	9.3	60
	Calcium	2,420	N/A	N/A	N/A
	Chromium	13.1	30	1,500	6,800
	Copper	**62.4**	50	270	10,000
	Iron	16,400	N/A	N/A	N/A
	Lead	**11,800**	63	1,600	3,900
	Magnesium	1,010	N/A	N/A	N/A
	Manganese	202	1,600	10,000	10,000
	Mercury	0.26	1.8	2.8	5.7
	Nickel	12.9	30	310	10,000
	Silver	0.54	2.0	1,500	6,800
	Vanadium	9.5	N/A	N/A	N/A
	Zinc	**464**	109	10,000	10,000

Laboratory Results Summary					
Location	**Contaminant**	**Lab Result (mg/kg)**	**Unrestricted Use (mg/kg)**	**Commercial Use (mg/kg)**	**Industrial Use (mg/kg)**
SB-A-1,2,3	Aluminum	7,600	N/A	N/A	N/A
	Barium	18.6	350	400	10,000
	Calcium	1,570	N/A	N/A	N/A
	Chromium	6.9	30	30	30
	Copper	12.6	50	270	10,000
	Iron	13,100	N/A	N/A	N/A
	Lead	**107**	63	1,600	3,900
	Magnesium	828	N/A	N/A	N/A
	Manganese	186	1,600	10,000	10,000
	Mercury	0.041	1.8	2.8	5.7
	Nickel	5.7	30	310	10,000
	Vanadium	9.3	N/A	N/A	N/A
	Zinc	**169**	109	10,000	10,000
SB-A-4,5,6	Aluminum	3,110	N/A	N/A	N/A
	Arsenic	1.6	13	16	16
	Barium	26.2	350	400	10,000
	Cadmium	0.62	2.5	9.3	60
	Calcium	2,980	N/A	N/A	N/A
	Chromium	12.1	30	1,500	6,800
	Cobalt	4.9	N/A	N/A	N/A
	Copper	36.1	50	270	10,000
	Iron	18,500	N/A	N/A	N/A
	Lead	**83.2**	63	1,600	3,900
	Magnesium	1,750	N/A	N/A	N/A
	Manganese	141	1,600	10,000	10,000
	Mercury	0.069	1.8	2.8	5.7
	Nickel	18.0	30	310	10,000
	Vanadium	6.9	N/A	N/A	N/A
	Zinc	**190**	109	10,000	10,000
SB-A-7,8,9	Aluminum	3,710	N/A	N/A	N/A
	Antimony	0.91	N/A	N/A	N/A
	Arsenic	1.7	13	16	16
	Barium	55.0	350	400	10,000
	Cadmium	1.6	2.5	9.3	60
	Calcium	4,320	N/A	N/A	N/A
	Chromium	28.7	30	1,500	6,800
	Copper	39.8	50	270	10,000
	Iron	22,200	N/A	N/A	N/A
	Lead	**164**	63	1,600	3,900
	Magnesium	1,130	N/A	N/A	N/A
	Manganese	168	1,600	10,000	10,000
	Mercury	0.15	1.8	2.8	5.7
	Nickel	10.2	30	310	10,000
	Vanadium	6.8	N/A	N/A	N/A
	Zinc	**491**	109	10,000	10,000
TP-E-5	Ethlybenzene	0.632	1.0	390	780
	Xylene (total)	**5.02**	0.7	500	1,000
	4,4'-DDD	**0.0127**	0.0033	92	180
	4,4' DDT	**0.0598**	0.0033	47	94
	Methoxychlor	0.0480	N/A	N/A	N/A
	PCBs[1]	**0.302**	0.1	1	25

Laboratory Results Summary					
Location	**Contaminant**	**Lab Result (mg/kg)**	**Unrestricted Use (mg/kg)**	**Commercial Use (mg/kg)**	**Industrial Use (mg/kg)**
TP-E-9 (Duplicate TP-E-5)	Acetone	**0.125**	0.05	500	1,000
	Benzene	0.00062	0.06	44	89
	bis(2-Ethylhexyl)phthalate	34.5	N/A	N/A	N/A
	4,4' DDT	0.0137	0.0033	47	94
	PCBs[1]	**0.392**	0.1	1	25
SB-D-1-4	Aluminum	5,480	N/A	N/A	N/A
	Antimony	4.4	N/A	N/A	N/A
	Arsenic	10.4	13	16	16
	Barium	136	350	400	10,000
	Cadmium	**11.8**	2.5	9.3	60
	Calcium	5,220	N/A	N/A	N/A
	Chromium	**66.3**	30	1,500	6,800
	Cobalt	9.3	N/A	N/A	N/A
	Copper	**217**	50	270	10,000
	Iron	127,000	N/A	N/A	N/A
	Lead	**615**	63	1,600	3,900
	Magnesium	1,110	N/A	N/A	N/A
	Manganese	527	1,600	10,000	10,000
	Mercury	0.48	1.8	2.8	5.7
	Nickel	**52.2**	30	310	10,000
	Vanadium	8.0	N/A	N/A	N/A
	Zinc	**1,250**	109	10,000	10,000
SB-D-5,6,7,8	Aluminum	5,030	N/A	N/A	N/A
	Antimony	4.6	N/A	N/A	N/A
	Arsenic	5.9	13	16	16
	Barium	127	350	400	10,000
	Cadmium	**6.3**	2.5	9.3	60
	Calcium	4,810	N/A	N/A	N/A
	Chromium	**52.7**	30	1,500	6,800
	Cobalt	5.9	N/A	N/A	N/A
	Copper	**201**	50	270	10,000
	Iron	53,100	N/A	N/A	N/A
	Lead	**4,130**	63	1,600	3,900
	Magnesium	1,440	N/A	N/A	N/A
	Manganese	407	1,600	10,000	10,000
	Mercury	0.57	1.8	2.8	5.7
	Nickel	**47.0**	30	310	10,000
	Silver	1.2	2.0	1,500	6,800
	Vanadium	11.1	N/A	N/A	N/A
	Zinc	**1,190**	109	10,000	10,000
SB-E-1-5	Aluminum	5,420	N/A	N/A	N/A
	Antimony	2.6	N/A	N/A	N/A
	Arsenic	7.4	13	16	16
	Barium	137	350	400	10,000
	Cadmium	**6.0**	2.5	9.3	60
	Calcium	5,240	N/A	N/A	N/A
	Chromium	**34.6**	30	1,500	6,800
	Cobalt	6.7	N/A	N/A	N/A
	Copper	**767**	50	270	10,000
	Iron	65,200	N/A	N/A	N/A
	Lead	**463**	63	1,600	3,900
	Magnesium	944	N/A	N/A	N/A
	Manganese	404	1,600	10,000	10,000
	Mercury	0.32	1.8	2.8	5.7
	Nickel	**35.6**	30	310	10,000
	Silver	1.1	2.0	1,500	6,800
	Vanadium	8.2	N/A	N/A	N/A
	Zinc	**813**	109	10,000	10,000

Laboratory Results Summary					
Location	**Contaminant**	**Lab Result (mg/kg)**	**Unrestricted Use (mg/kg)**	**Commercial Use (mg/kg)**	**Industrial Use (mg/kg)**
TP-E-1-8	Aluminum	4,840	N/A	N/A	N/A
	Antimony	2.5	N/A	N/A	N/A
	Arsenic	4.3	13	16	16
	Barium	145	350	400	10,000
	Cadmium	**6.9**	2.5	9.3	60
	Calcium	4,000	N/A	N/A	N/A
	Chromium	22.3	30	1,500	6,800
	Copper	**70.3**	50	270	10,000
	Iron	34,300	N/A	N/A	N/A
	Lead	**300**	63	1,600	3,900
	Magnesium	972	N/A	N/A	N/A
	Manganese	246	1,600	10,000	10,000
	Mercury	0.076	1.8	2.8	5.7
	Nickel	19.0	30	310	10,000
	Vanadium	11.3	N/A	N/A	N/A
	Zinc	**593**	109	10,000	10,000
TP-F-1-8 (Duplicate TP-E-1-8)	Aluminum	5,490	N/A	N/A	N/A
	Antimony	7.8	N/A	N/A	N/A
	Arsenic	5.8	13	16	16
	Barium	141	350	400	10,000
	Cadmium	1.9	2.5	9.3	60
	Calcium	3,460	N/A	N/A	N/A
	Chromium	17.3	30	1,500	6,800
	Copper	**61.4**	50	270	10,000
	Iron	44,400	N/A	N/A	N/A
	Lead	**822**	63	1,600	3,900
	Magnesium	809	N/A	N/A	N/A
	Manganese	266	1,600	10,000	10,000
	Mercury	0.12	1.8	2.8	5.7
	Nickel	16.2	30	310	10,000
	Vanadium	19.7	N/A	N/A	N/A
	Zinc	**468**	109	10,000	10,000
CS-1	Aluminum	695	N/A	N/A	N/A
	Chromium	3.8	30	1,500	6,800
	Copper	11.2	50	270	10,000
	Iron	359	N/A	N/A	N/A
	Lead	1.4	63	1,600	3,900
	Manganese	4.8	1,600	10,000	10,000
	Zinc	11.5	109	10,000	10,000

Notes:

[1] = PCBs include Aroclor 1248, 1254, 1260

mg/kg = milligrams per kilogram

Unrestricted Use Standards outlined in NYSDEC Subpart 375-6.8 - Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

Commercial and Industrial Use Standards outlined in NYSDEC Subpart 375-8.6 - Table 375-6.8(b) Restruicted Use Soil Cleanup Objectives

Vaules that exceed Unrestricted Use Standards are in bold

Values that exceed either the Commercial or Industrial Use Standard are shaded in yellow

Attachment 3

Test Pit Data

Test Pit Data			
Location	**Depth (ft bgs)**	**PID Reading (ppmv)**	**Comments**
TP-A-1	3	**376.2**	0-12" - sand, plastic membrane @ 12", 12"-10' -loam, debris, glass bottles, petro odor @ 3'
	6	171.3	
	10	12.4	
TP-A-2	3	0.8	0-6' - fine sand, no odor or staining
	6	0.6	
TP-A-3	4	3.1	0-12" - fine sand, 12"-8' - loamy silt, no odor or staining
TP-A-4	4	348.2	0-12" - fine sand, 12"-6' - loam, debris, bottles, petro odor @ 4'
	8	246.7	
	10	112.4	
TP-A-5	5	**359.6**	0-12" - fine sand, 12"-7' - loam, debris, bottles, plastic, petro odor @ 3'
	10	46.3	
TP-A-6	4	0.4	0-6' - fine sand, no odor or staining
TP-A-7	4	0.3	0-6' - fine sand, no odor or staining
TP-A-8	4	0.4	0-1' - loamy fill, debris, 1-6' fine sand, no odor or staining
TP-A-9	4	0.3	0-5' loamy fill, debris, bottles, 5'-6' fine sand, no odor or staining
	6	0.4	
TP-A-10	4	5.3	0-4' loamy, silty sand, 4'-6' fine sand, no odor or staining
	6	2.1	
TP-D-1	1	4.8	0-6" - loamy silt, debris, broken glass, plastic, 6" - 6' - fine sand, no odor or staining
	5	0.8	
TP-D-2	1	2.2	0-12" - loamy, debris, glass, 12" - 6' fine sand, no odor or staining
	5	0.4	
TP-D-3	2	3.0	0-12" loamy sand, debris, 12" - 6' - fine sand, no odor or staining
	5	0.3	
TP-D-4	2	1.5	0-2' - laomy, debris, slight decomposition odor, 2'-6' - fine sand, no odor or staining
	5	0.6	

Test Pit Data			
Location	**Depth (ft bgs)**	**PID Reading (ppmv)**	**Comments**
TP-D-5	1	0.4	0-12" - loamy, debris, metal, 12" - 6' - fine sand, no odor or staining
	5	0.4	
TP-D-6	2	**16.5**	0-12" - loamy, debris, 12" - 6' - fine sand, slight petro odor @ 2'
	5	0.9	
TP-D-7	2	0.8	0-12" - loamy, debris, 12" - 5' - fine sand, no odor or staining
TP-D-8	1	0.8	0-12" - loamy, debris, 12" - 5' - fine sand, no odor or staining
	4	0.6	
TP-D-9	1	0.3	0-12" - loamy, debris, 12" - 5' - fine sand, no odor or staining
	4	0.5	
TP-E-1	0.5	0.3	Surface staining, 0-5' - soil, debris, broken glass, plastic, 5'-7' - fine sand, no odor or staining
	5	0.4	
TP-E-2	1	0.3	0-5' - loam, debris, broken glass, refrigerator, 5'-7' - fine sand, no odor or staining
	5	0.3	
TP-E-3	1	0.4	Profile of hill - 0-8' - loam, debris, broken glass, metal objects, 8'-10' - fine sand, no odor or staining
	4	0.3	
TP-E-4	1	0.5	0-5' - loam, debris, broken glass, 5'-7' - fine sand, no odor or staining
	4	0.3	
TP-E-5	2	0.3	0-5' - loam, debris, broken glass, metal objects, 5'-7' - fine sand, slight petro odor @ 5'
	5	**1.2**	
TP-E-6	1	0.2	0-5' - loam, debris, broken glass, 5'-7' - fine sand, no odor or staining
	4	0.3	
TP-E-7	2	0.6	0-3' - loam, debris, 3'-5' - fine sand, no odor or staining
	5	0.4	
TP-E-8	1	0.4	0-2' - loam, debris, glass, 2'-5' - fine sand, no odor or staining
	4	0.3	

Notes:
ft bgs = feet below ground surface
PID = Photoionization Detector
ppmv = parts per million volume
Bold values are depths that were sampled for laboratory analysis

Attachment 4

Groundwater Data

Groundwater Data		
Monitoring Well	**Depth to Bottom of Well (ft btoc)**	**Depth to Groundwater (ft btoc)**
Grove-1	Destroyed	
Grove-2	37.85	34.2
Grove-3	42.85	40.22
Grove-4	41.33	36.51
Grove-5	42.68	38.85

Notes:

ft btoc = feet below top of casing

Attachment 5

Laboratory Results

New England ACCUTEST LABORATORIES

Reissue #1
01/16/13

Technical Report for

KAS, Inc.

Scrap Yard, Grove Street, Keeseville, NY

40712S024

Accutest Job Number: MC16950

Sampling Dates: 12/13/12 - 12/14/12

Report to:

KAS, Inc.

AaronR@kas-consulting.com

ATTN: Aaron Roth

Total number of pages in report: **156**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9

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Sample Summary

KAS, Inc.

Job No: MC16950

Scrap Yard, Grove Street, Keeseville, NY
Project No: 40712S024

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC16950-1	12/13/12	14:05	DMAR	12/17/12	AQ	Ground Water	GROVE-2
MC16950-2	12/13/12	13:00	DMAR	12/17/12	AQ	Ground Water	GROVE-3
MC16950-3	12/13/12	14:25	DMAR	12/17/12	AQ	Ground Water	GROVE-4
MC16950-4	12/13/12	10:55	DMAR	12/17/12	AQ	Ground Water	GROVE-5
MC16950-5	12/13/12	10:10	DMAR	12/17/12	SO	Soil	TP-A-1
MC16950-6	12/13/12	12:20	DMAR	12/17/12	SO	Soil	TP-A-1-10
MC16950-7	12/13/12	10:10	DMAR	12/17/12	SO	Soil	TP-A-5
MC16950-8	12/13/12	12:40	DMAR	12/17/12	SO	Soil	TP-D-6
MC16950-9	12/13/12	14:20	DMAR	12/17/12	SO	Soil	TP-D-1-9
MC16950-10	12/13/12	09:30	DMAR	12/17/12	SO	Soil	SB-A-1,2,3
MC16950-11	12/13/12	10:00	DMAR	12/17/12	SO	Soil	SB-A-4,5,6
MC16950-12	12/13/12	10:30	DMAR	12/17/12	SO	Soil	SB-A-7,8,9
MC16950-13	12/14/12	11:05	DMAR	12/17/12	SO	Soil	TP-E-5

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

KAS, Inc.

Job No: MC16950

Scrap Yard, Grove Street, Keeseville, NY
Project No: 40712S024

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC16950-14	12/14/12	11:05	DMAR	12/17/12	SO	Soil	TP-E-9
MC16950-15	12/14/12	09:20	DMAR	12/17/12	SO	Soil	SB-D-1-4
MC16950-16	12/14/12	12:00	DMAR	12/17/12	SO	Soil	SB-D-5,6,7,8
MC16950-17	12/14/12	12:20	DMAR	12/17/12	SO	Soil	SB-E-1-5
MC16950-18	12/14/12	11:40	DMAR	12/17/12	SO	Soil	TP-E-1-8
MC16950-19	12/14/12	11:40	DMAR	12/17/12	SO	Soil	TP-F-1-8
MC16950-20	12/13/12	00:00	DMAR	12/17/12	AQ	Trip Blank Water	TRIP BLANK
MC16950-21	12/14/12	00:00	DMAR	12/17/12	AQ	Trip Blank Water	TRIP BLANK
MC16950-22	12/14/12	13:25	DMAR	12/17/12	SO	Soil	CS-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC16950-1	**GROVE-2**					
No hits reported in this sample.						
MC16950-2	**GROVE-3**					
No hits reported in this sample.						
MC16950-3	**GROVE-4**					
No hits reported in this sample.						
MC16950-4	**GROVE-5**					
No hits reported in this sample.						
MC16950-5	**TP-A-1**					
Benzene		323	81		ug/kg	SW846 8260B
Ethylbenzene		1400	330		ug/kg	SW846 8260B
Toluene		2630	810		ug/kg	SW846 8260B
Xylene (total)		18100	330		ug/kg	SW846 8260B
Total TIC, Volatile		70000 J			ug/kg	
Aroclor 1248		1070	560		ug/kg	SW846 8082
Aroclor 1254 [a]		328	110		ug/kg	SW846 8082
Aroclor 1260 [a]		123	110		ug/kg	SW846 8082
MC16950-6	**TP-A-1-10**					
Aluminum		3970	17		mg/kg	SW846 6010C
Arsenic		1.3	0.86		mg/kg	SW846 6010C
Barium		25.5	4.3		mg/kg	SW846 6010C
Cadmium		0.83	0.34		mg/kg	SW846 6010C
Calcium		2370	430		mg/kg	SW846 6010C
Chromium		7.4	0.86		mg/kg	SW846 6010C
Copper		25.1	2.2		mg/kg	SW846 6010C
Iron		12300	8.6		mg/kg	SW846 6010C
Lead		93.1	0.86		mg/kg	SW846 6010C
Magnesium		834	430		mg/kg	SW846 6010C
Manganese		90.6	1.3		mg/kg	SW846 6010C
Mercury		0.099	0.033		mg/kg	SW846 7471B
Nickel		8.1	3.4		mg/kg	SW846 6010C
Vanadium		6.1	0.86		mg/kg	SW846 6010C
Zinc		221	1.7		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC16950-7	**TP-A-5**					
Benzene		145	31		ug/kg	SW846 8260B
Ethylbenzene		1320	120		ug/kg	SW846 8260B
Toluene		1300	310		ug/kg	SW846 8260B
Xylene (total)		9260	120		ug/kg	SW846 8260B
Total TIC, Volatile		22600 J			ug/kg	
MC16950-8	**TP-D-6**					
Acetone		169	3.6		ug/kg	SW846 8260B
Benzene		1.7	0.36		ug/kg	SW846 8260B
Bromomethane		1.7	1.4		ug/kg	SW846 8260B
2-Butanone (MEK)		25.9	3.6		ug/kg	SW846 8260B
Ethylbenzene		2.9	1.4		ug/kg	SW846 8260B
4-Methyl-2-pentanone (MIBK)		9.0	3.6		ug/kg	SW846 8260B
Toluene		7.4	3.6		ug/kg	SW846 8260B
Xylene (total)		19.4	1.4		ug/kg	SW846 8260B
Total TIC, Volatile		489 J			ug/kg	
Total TIC, Semi-Volatile		1200 J			ug/kg	
Aroclor 1248		485	100		ug/kg	SW846 8082
Aroclor 1254 [a]		194	100		ug/kg	SW846 8082
Aroclor 1260 [a]		126	100		ug/kg	SW846 8082
MC16950-9	**TP-D-1-9**					
Aluminum		4920	17		mg/kg	SW846 6010C
Antimony		8.0	0.86		mg/kg	SW846 6010C
Arsenic		2.5	0.86		mg/kg	SW846 6010C
Barium		75.1	4.3		mg/kg	SW846 6010C
Cadmium		2.4	0.34		mg/kg	SW846 6010C
Calcium		2420	430		mg/kg	SW846 6010C
Chromium		13.1	0.86		mg/kg	SW846 6010C
Copper		62.4	2.1		mg/kg	SW846 6010C
Iron		16400	8.6		mg/kg	SW846 6010C
Lead		11800	86		mg/kg	SW846 6010C
Magnesium		1010	430		mg/kg	SW846 6010C
Manganese		202	1.3		mg/kg	SW846 6010C
Mercury		0.26	0.035		mg/kg	SW846 7471B
Nickel		12.9	3.4		mg/kg	SW846 6010C
Silver		0.54	0.43		mg/kg	SW846 6010C
Vanadium		9.5	0.86		mg/kg	SW846 6010C
Zinc		464	1.7		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC16950-10	**SB-A-1,2,3**					
Aluminum		7600	17		mg/kg	SW846 6010C
Barium		18.6	4.3		mg/kg	SW846 6010C
Calcium		1570	430		mg/kg	SW846 6010C
Chromium		6.9	0.86		mg/kg	SW846 6010C
Copper		12.6	2.2		mg/kg	SW846 6010C
Iron		13100	8.6		mg/kg	SW846 6010C
Lead		107	0.86		mg/kg	SW846 6010C
Magnesium		828	430		mg/kg	SW846 6010C
Manganese		186	1.3		mg/kg	SW846 6010C
Mercury		0.041	0.031		mg/kg	SW846 7471B
Nickel		5.7	3.5		mg/kg	SW846 6010C
Vanadium		9.3	0.86		mg/kg	SW846 6010C
Zinc		169	1.7		mg/kg	SW846 6010C
MC16950-11	**SB-A-4,5,6**					
Aluminum		3110	17		mg/kg	SW846 6010C
Arsenic		1.6	0.86		mg/kg	SW846 6010C
Barium		26.2	4.3		mg/kg	SW846 6010C
Cadmium		0.62	0.35		mg/kg	SW846 6010C
Calcium		2980	430		mg/kg	SW846 6010C
Chromium		12.1	0.86		mg/kg	SW846 6010C
Cobalt		4.9	4.3		mg/kg	SW846 6010C
Copper		36.1	2.2		mg/kg	SW846 6010C
Iron		18500	8.6		mg/kg	SW846 6010C
Lead		83.2	0.86		mg/kg	SW846 6010C
Magnesium		1750	430		mg/kg	SW846 6010C
Manganese		141	1.3		mg/kg	SW846 6010C
Mercury		0.069	0.034		mg/kg	SW846 7471B
Nickel		18.0	3.5		mg/kg	SW846 6010C
Vanadium		6.9	0.86		mg/kg	SW846 6010C
Zinc		190	1.7		mg/kg	SW846 6010C
MC16950-12	**SB-A-7,8,9**					
Aluminum		3710	17		mg/kg	SW846 6010C
Antimony		0.91	0.86		mg/kg	SW846 6010C
Arsenic		1.7	0.86		mg/kg	SW846 6010C
Barium		55.0	4.3		mg/kg	SW846 6010C
Cadmium		1.6	0.34		mg/kg	SW846 6010C
Calcium		4320	430		mg/kg	SW846 6010C
Chromium		28.7	0.86		mg/kg	SW846 6010C
Copper		39.8	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		22200	8.6		mg/kg	SW846 6010C
Lead		164	0.86		mg/kg	SW846 6010C
Magnesium		1130	430		mg/kg	SW846 6010C
Manganese		168	1.3		mg/kg	SW846 6010C
Mercury		0.15	0.034		mg/kg	SW846 7471B
Nickel		10.2	3.4		mg/kg	SW846 6010C
Vanadium		6.8	0.86		mg/kg	SW846 6010C
Zinc		491	1.7		mg/kg	SW846 6010C
MC16950-13	**TP-E-5**					
Ethylbenzene		632	160		ug/kg	SW846 8260B
Xylene (total)		5020	160		ug/kg	SW846 8260B
4,4'-DDD		12.7	7.4		ug/kg	SW846 8081
4,4'-DDT		59.8	7.4		ug/kg	SW846 8081
Methoxychlor		48.0	7.4		ug/kg	SW846 8081
Aroclor 1248 [a]		135	110		ug/kg	SW846 8082
Aroclor 1254		167	110		ug/kg	SW846 8082
MC16950-14	**TP-E-9**					
Acetone		125	4.0		ug/kg	SW846 8260B
Benzene		0.62	0.40		ug/kg	SW846 8260B
Total TIC, Volatile		84 J			ug/kg	
bis(2-Ethylhexyl)phthalate		34500	1400		ug/kg	SW846 8270C
Total TIC, Semi-Volatile		27300 J			ug/kg	
4,4'-DDT		13.7	7.4		ug/kg	SW846 8081
Aroclor 1248		202	110		ug/kg	SW846 8082
Aroclor 1254 [a]		190	110		ug/kg	SW846 8082
MC16950-15	**SB-D-1-4**					
Aluminum		5480	18		mg/kg	SW846 6010C
Antimony		4.4	0.89		mg/kg	SW846 6010C
Arsenic		10.4	0.89		mg/kg	SW846 6010C
Barium		136	4.5		mg/kg	SW846 6010C
Cadmium		11.8	0.36		mg/kg	SW846 6010C
Calcium		5220	450		mg/kg	SW846 6010C
Chromium		66.3	0.89		mg/kg	SW846 6010C
Cobalt		9.3	4.5		mg/kg	SW846 6010C
Copper		217	2.2		mg/kg	SW846 6010C
Iron		127000	89		mg/kg	SW846 6010C
Lead		615	0.89		mg/kg	SW846 6010C
Magnesium		1110	450		mg/kg	SW846 6010C
Manganese		527	1.3		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.48	0.034		mg/kg	SW846 7471B
Nickel		52.2	3.6		mg/kg	SW846 6010C
Vanadium		8.0	0.89		mg/kg	SW846 6010C
Zinc		1250	1.8		mg/kg	SW846 6010C
MC16950-16	**SB-D-5,6,7,8**					
Aluminum		5030	18		mg/kg	SW846 6010C
Antimony		4.6	0.91		mg/kg	SW846 6010C
Arsenic		5.9	0.91		mg/kg	SW846 6010C
Barium		127	4.5		mg/kg	SW846 6010C
Cadmium		6.3	0.36		mg/kg	SW846 6010C
Calcium		4810	450		mg/kg	SW846 6010C
Chromium		52.7	0.91		mg/kg	SW846 6010C
Cobalt		5.9	4.5		mg/kg	SW846 6010C
Copper		201	2.3		mg/kg	SW846 6010C
Iron		53100	9.1		mg/kg	SW846 6010C
Lead		4130	9.1		mg/kg	SW846 6010C
Magnesium		1440	450		mg/kg	SW846 6010C
Manganese		407	1.4		mg/kg	SW846 6010C
Mercury		0.57	0.035		mg/kg	SW846 7471B
Nickel		47.0	3.6		mg/kg	SW846 6010C
Silver		1.2	0.45		mg/kg	SW846 6010C
Vanadium		11.1	0.91		mg/kg	SW846 6010C
Zinc		1190	1.8		mg/kg	SW846 6010C
MC16950-17	**SB-E-1-5**					
Aluminum		5420	18		mg/kg	SW846 6010C
Antimony		2.6	0.91		mg/kg	SW846 6010C
Arsenic		7.4	0.91		mg/kg	SW846 6010C
Barium		137	4.5		mg/kg	SW846 6010C
Cadmium		6.0	0.36		mg/kg	SW846 6010C
Calcium		5240	450		mg/kg	SW846 6010C
Chromium		34.6	0.91		mg/kg	SW846 6010C
Cobalt		6.7	4.5		mg/kg	SW846 6010C
Copper		767	2.3		mg/kg	SW846 6010C
Iron		65200	9.1		mg/kg	SW846 6010C
Lead		463	0.91		mg/kg	SW846 6010C
Magnesium		944	450		mg/kg	SW846 6010C
Manganese		404	1.4		mg/kg	SW846 6010C
Mercury		0.32	0.034		mg/kg	SW846 7471B
Nickel		35.6	3.6		mg/kg	SW846 6010C
Silver		1.1	0.45		mg/kg	SW846 6010C
Vanadium		8.2	0.91		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		813	1.8		mg/kg	SW846 6010C
MC16950-18	**TP-E-1-8**					
Aluminum		4840	18		mg/kg	SW846 6010C
Antimony		2.5	0.89		mg/kg	SW846 6010C
Arsenic		4.3	0.89		mg/kg	SW846 6010C
Barium		145	4.5		mg/kg	SW846 6010C
Cadmium		6.9	0.36		mg/kg	SW846 6010C
Calcium		4000	450		mg/kg	SW846 6010C
Chromium		22.3	0.89		mg/kg	SW846 6010C
Copper		70.3	2.2		mg/kg	SW846 6010C
Iron		34300	8.9		mg/kg	SW846 6010C
Lead		300	0.89		mg/kg	SW846 6010C
Magnesium		972	450		mg/kg	SW846 6010C
Manganese		246	1.3		mg/kg	SW846 6010C
Mercury		0.076	0.034		mg/kg	SW846 7471B
Nickel		19.0	3.6		mg/kg	SW846 6010C
Vanadium		11.3	0.89		mg/kg	SW846 6010C
Zinc		593	1.8		mg/kg	SW846 6010C
MC16950-19	**TP-F-1-8**					
Aluminum		5490	17		mg/kg	SW846 6010C
Antimony		7.8	0.85		mg/kg	SW846 6010C
Arsenic		5.8	0.85		mg/kg	SW846 6010C
Barium		141	4.3		mg/kg	SW846 6010C
Cadmium		1.9	0.34		mg/kg	SW846 6010C
Calcium		3460	430		mg/kg	SW846 6010C
Chromium		17.3	0.85		mg/kg	SW846 6010C
Copper		61.4	2.1		mg/kg	SW846 6010C
Iron		44400	8.5		mg/kg	SW846 6010C
Lead		822	0.85		mg/kg	SW846 6010C
Magnesium		809	430		mg/kg	SW846 6010C
Manganese		266	1.3		mg/kg	SW846 6010C
Mercury		0.12	0.033		mg/kg	SW846 7471B
Nickel		16.2	3.4		mg/kg	SW846 6010C
Vanadium		19.7	0.85		mg/kg	SW846 6010C
Zinc		468	1.7		mg/kg	SW846 6010C
MC16950-20	**TRIP BLANK**					

No hits reported in this sample.

Summary of Hits

Job Number: MC16950
Account: KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY
Collected: 12/13/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC16950-21	**TRIP BLANK**					
No hits reported in this sample.						
MC16950-22	**CS-1**					
Aluminum		695	17		mg/kg	SW846 6010C
Chromium		3.8	0.85		mg/kg	SW846 6010C
Copper		11.2	2.1		mg/kg	SW846 6010C
Iron		359	8.5		mg/kg	SW846 6010C
Lead		1.4	0.85		mg/kg	SW846 6010C
Manganese		4.8	1.3		mg/kg	SW846 6010C
Zinc		11.5	1.7		mg/kg	SW846 6010C

(a) Estimated value due to the presence of other Arochlor pattern.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GROVE-2		
Lab Sample ID:	MC16950-1	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N71392.D	1	12/21/12	KD	n/a	n/a	MSN2683
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GROVE-2		
Lab Sample ID:	MC16950-1	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	120%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GROVE-3
Lab Sample ID: MC16950-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N71393.D	1	12/21/12	KD	n/a	n/a	MSN2683
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GROVE-3		
Lab Sample ID:	MC16950-2	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	114%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GROVE-4		
Lab Sample ID:	MC16950-3	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N71394.D	1	12/21/12	KD	n/a	n/a	MSN2683
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GROVE-4		
Lab Sample ID:	MC16950-3	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	117%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GROVE-5
Lab Sample ID: MC16950-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123110.D	1	12/20/12	JM	n/a	n/a	MSG4892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GROVE-5		
Lab Sample ID:	MC16950-4	**Date Sampled:**	12/13/12
Matrix:	AQ - Ground Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	77%		70-130%
2037-26-5	Toluene-D8	72%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-A-1
Lab Sample ID: MC16950-5
Matrix: SO - Soil
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 87.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K65842.D	1	12/19/12	GK	n/a	n/a	MSK2164
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.77 g	10.0 ml	50.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	810	ug/kg	
71-43-2	Benzene	323	81	ug/kg	
75-27-4	Bromodichloromethane	ND	330	ug/kg	
75-25-2	Bromoform	ND	330	ug/kg	
74-83-9	Bromomethane	ND	330	ug/kg	
78-93-3	2-Butanone (MEK)	ND	810	ug/kg	
75-15-0	Carbon disulfide	ND	810	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	ug/kg	
108-90-7	Chlorobenzene	ND	330	ug/kg	
75-00-3	Chloroethane	ND	810	ug/kg	
67-66-3	Chloroform	ND	330	ug/kg	
74-87-3	Chloromethane	ND	810	ug/kg	
124-48-1	Dibromochloromethane	ND	330	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	ug/kg	
75-35-4	1,1-Dichloroethene	ND	330	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	330	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	330	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	ug/kg	
100-41-4	Ethylbenzene	1400	330	ug/kg	
591-78-6	2-Hexanone	ND	810	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	810	ug/kg	
75-09-2	Methylene chloride	ND	330	ug/kg	
100-42-5	Styrene	ND	810	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	ug/kg	
127-18-4	Tetrachloroethene	ND	330	ug/kg	
108-88-3	Toluene	2630	810	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	ug/kg	
79-01-6	Trichloroethene	ND	330	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-1		
Lab Sample ID:	MC16950-5	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	87.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	330	ug/kg	
1330-20-7	Xylene (total)	18100	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
620-14-4	Benzene, 1-ethyl-3-methyl-	14.65	12000	ug/kg	JN
622-96-8	Benzene, 1-ethyl-4-methyl-	14.70	4000	ug/kg	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	14.98	7200	ug/kg	JN
526-73-8	Benzene, 1,2,3-trimethyl-	15.67	8800	ug/kg	JN
55337-80-9	Bicyclo[4.2.0]octa-1,3,5-triene, 7-methy	15.85	9500	ug/kg	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	16.36	6300	ug/kg	JN
767-58-8	Indan, 1-methyl-	16.49	3700	ug/kg	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	16.86	4900	ug/kg	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	16.91	6300	ug/kg	JN
1587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	17.34	7300	ug/kg	JN
	Total TIC, Volatile		70000	ug/kg	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-1		
Lab Sample ID:	MC16950-5	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	87.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W8220.D	5	12/21/12	KR	12/17/12	OP31467	MSW387
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2800	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2800	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2800	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5700	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2800	ug/kg	
95-48-7	2-Methylphenol	ND	2800	ug/kg	
	3&4-Methylphenol	ND	2800	ug/kg	
88-75-5	2-Nitrophenol	ND	2800	ug/kg	
100-02-7	4-Nitrophenol	ND	5700	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	ug/kg	
108-95-2	Phenol	ND	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2800	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2800	ug/kg	
83-32-9	Acenaphthene	ND	570	ug/kg	
208-96-8	Acenaphthylene	ND	570	ug/kg	
120-12-7	Anthracene	ND	570	ug/kg	
56-55-3	Benzo(a)anthracene	ND	570	ug/kg	
50-32-8	Benzo(a)pyrene	ND	570	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	570	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	570	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	570	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1400	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1400	ug/kg	
106-47-8	4-Chloroaniline	ND	2800	ug/kg	
86-74-8	Carbazole	ND	570	ug/kg	
218-01-9	Chrysene	ND	570	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1400	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1400	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-A-1
Lab Sample ID: MC16950-5
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 87.0

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1400	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2800	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2800	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	570	ug/kg	
132-64-9	Dibenzofuran	ND	570	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1400	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1400	ug/kg	
84-66-2	Diethyl phthalate	ND	1400	ug/kg	
131-11-3	Dimethyl phthalate	ND	1400	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1400	ug/kg	
206-44-0	Fluoranthene	ND	570	ug/kg	
86-73-7	Fluorene	ND	570	ug/kg	
118-74-1	Hexachlorobenzene	ND	1400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2800	ug/kg	
67-72-1	Hexachloroethane	ND	1400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	570	ug/kg	
78-59-1	Isophorone	ND	1400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	570	ug/kg	
88-74-4	2-Nitroaniline	ND	2800	ug/kg	
99-09-2	3-Nitroaniline	ND	2800	ug/kg	
100-01-6	4-Nitroaniline	ND	2800	ug/kg	
91-20-3	Naphthalene	ND	570	ug/kg	
98-95-3	Nitrobenzene	ND	1400	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1400	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	ug/kg	
85-01-8	Phenanthrene	ND	570	ug/kg	
129-00-0	Pyrene	ND	570	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		30-130%
4165-62-2	Phenol-d5	37%		30-130%
118-79-6	2,4,6-Tribromophenol	33%		30-130%
4165-60-0	Nitrobenzene-d5	38%		30-130%
321-60-8	2-Fluorobiphenyl	38%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-1		
Lab Sample ID:	MC16950-5	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	87.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	43%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Elevated RL due to sample matrix.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-1		
Lab Sample ID:	MC16950-5	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	DAI	**Percent Solids:**	87.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PO68101.D	1	12/18/12	AP	n/a	n/a	GPO3898
Run #2	PO68111.D	1	12/20/12	AP	n/a	n/a	GPO3899

	Initial Weight	Final Volume
Run #1	10.1 g	10.0 ml
Run #2	10.4 g	10.0 ml

CAS No.	Compound	Result	RL	Units	Q
107-21-1	Ethylene Glycol	ND	11000	ug/kg	
57-55-6	Propylene Glycol	ND [a]	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
78-92-2	sec-Butyl Alcohol	112%		30-150%
75-65-0	Tertiary Butyl Alcohol		91%	30-150%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-A-1
Lab Sample ID: MC16950-5
Matrix: SO - Soil
Method: SW846 8081 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 87.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE33579.D	1	12/20/12	AP	12/18/12	OP31469	GBE1814
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.6	ug/kg	
319-84-6	alpha-BHC	ND	7.6	ug/kg	
319-85-7	beta-BHC	ND	7.6	ug/kg	
319-86-8	delta-BHC	ND	7.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.6	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.6	ug/kg	
60-57-1	Dieldrin	ND	7.6	ug/kg	
72-54-8	4,4'-DDD	ND	7.6	ug/kg	
72-55-9	4,4'-DDE	ND	7.6	ug/kg	
50-29-3	4,4'-DDT	ND	7.6	ug/kg	
72-20-8	Endrin	ND	7.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.6	ug/kg	
959-98-8	Endosulfan-I	ND	7.6	ug/kg	
33213-65-9	Endosulfan-II	ND	7.6	ug/kg	
76-44-8	Heptachlor	ND	7.6	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.6	ug/kg	
72-43-5	Methoxychlor	ND	7.6	ug/kg	
53494-70-5	Endrin ketone	ND	7.6	ug/kg	
8001-35-2	Toxaphene	ND	76	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	31%		30-150%
877-09-8	Tetrachloro-m-xylene	32%		30-150%
2051-24-3	Decachlorobiphenyl	33%		30-150%
2051-24-3	Decachlorobiphenyl	35%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-1		
Lab Sample ID:	MC16950-5	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8082 SW846 3546	**Percent Solids:**	87.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ77530.D	1	12/19/12	CZ	12/17/12	OP31461	GYZ6996
Run #2	YZ77535.D	5	12/19/12	CZ	12/17/12	OP31461	GYZ6996

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	1070 [a]	560	ug/kg	
11097-69-1	Aroclor 1254 [b]	328	110	ug/kg	
11096-82-5	Aroclor 1260 [b]	123	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%	92%	30-150%
877-09-8	Tetrachloro-m-xylene	83%	92%	30-150%
2051-24-3	Decachlorobiphenyl	112%	128%	30-150%
2051-24-3	Decachlorobiphenyl	110%	121%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-A-1-10
Lab Sample ID: MC16950-6
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 93.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3970	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	1.3	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	25.5	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.83	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	2370	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	7.4	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	25.1	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	12300	8.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	93.1	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	834	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	90.6	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.099	0.033	mg/kg	1	12/18/12	12/19/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	8.1	3.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	6.1	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	221	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15086
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20248
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: TP-A-5
Lab Sample ID: MC16950-7
Matrix: SO - Soil
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 90.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K65843.D	1	12/19/12	GK	n/a	n/a	MSK2164
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.63 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	310	ug/kg	
71-43-2	Benzene	145	31	ug/kg	
75-27-4	Bromodichloromethane	ND	120	ug/kg	
75-25-2	Bromoform	ND	120	ug/kg	
74-83-9	Bromomethane	ND	120	ug/kg	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg	
75-15-0	Carbon disulfide	ND	310	ug/kg	
56-23-5	Carbon tetrachloride	ND	120	ug/kg	
108-90-7	Chlorobenzene	ND	120	ug/kg	
75-00-3	Chloroethane	ND	310	ug/kg	
67-66-3	Chloroform	ND	120	ug/kg	
74-87-3	Chloromethane	ND	310	ug/kg	
124-48-1	Dibromochloromethane	ND	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	120	ug/kg	
75-35-4	1,1-Dichloroethene	ND	120	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	120	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	120	ug/kg	
100-41-4	Ethylbenzene	1320	120	ug/kg	
591-78-6	2-Hexanone	ND	310	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg	
75-09-2	Methylene chloride	ND	120	ug/kg	
100-42-5	Styrene	ND	310	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	120	ug/kg	
127-18-4	Tetrachloroethene	ND	120	ug/kg	
108-88-3	Toluene	1300	310	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	120	ug/kg	
79-01-6	Trichloroethene	ND	120	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-A-5		
Lab Sample ID:	MC16950-7	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	90.9
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	120	ug/kg	
1330-20-7	Xylene (total)	9260	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
620-14-4	Benzene, 1-ethyl-3-methyl-	14.65	4500	ug/kg	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	14.70	1900	ug/kg	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	14.98	2100	ug/kg	JN
95-63-6	Benzene, 1,2,4-trimethyl-	15.67	2500	ug/kg	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	15.85	2700	ug/kg	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	16.35	2300	ug/kg	JN
7525-62-4	Benzene, 1-ethenyl-3-ethyl-	16.49	1300	ug/kg	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	16.87	1900	ug/kg	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	16.91	2100	ug/kg	JN
4218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)-	17.76	1300	ug/kg	JN
	Total TIC, Volatile		22600	ug/kg	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-D-6
Lab Sample ID: MC16950-8
Matrix: SO - Soil
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 94.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53053.D	1	12/21/12	AMY	n/a	n/a	MSM1801
Run #2							

	Initial Weight	Final Volume
Run #1	7.43 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	169	3.6	ug/kg	
71-43-2	Benzene	1.7	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	ug/kg	
75-25-2	Bromoform	ND	1.4	ug/kg	
74-83-9	Bromomethane	1.7	1.4	ug/kg	
78-93-3	2-Butanone (MEK)	25.9	3.6	ug/kg	
75-15-0	Carbon disulfide	ND	3.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	ug/kg	
75-00-3	Chloroethane	ND	3.6	ug/kg	
67-66-3	Chloroform	ND	1.4	ug/kg	
74-87-3	Chloromethane	ND	3.6	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	ug/kg	
100-41-4	Ethylbenzene	2.9	1.4	ug/kg	
591-78-6	2-Hexanone	ND	3.6	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	9.0	3.6	ug/kg	
75-09-2	Methylene chloride	ND	1.4	ug/kg	
100-42-5	Styrene	ND	3.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	ug/kg	
108-88-3	Toluene	7.4	3.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	ug/kg	
79-01-6	Trichloroethene	ND	1.4	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-D-6		
Lab Sample ID:	MC16950-8	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	ug/kg	
1330-20-7	Xylene (total)	19.4	1.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	87%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-43-4	Fluorodichloromethane	5.72	140	ug/kg	JN
78324-01-3	Benzenepropanoic acid, tert-butyldimethy	7.67	40	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.85	85	ug/kg	JN
540-84-1	Pentane, 2,2,4-trimethyl-	10.43	12	ug/kg	JN
589-53-7	Heptane, 4-methyl-	11.79	13	ug/kg	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	15.24	13	ug/kg	JN
526-73-8	Benzene, 1,2,3-trimethyl-	16.27	15	ug/kg	JN
1120-21-4	Undecane	16.71	15	ug/kg	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	16.95	15	ug/kg	JN
824-90-8	1-Phenyl-1-butene	17.09	12	ug/kg	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	17.29	12	ug/kg	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	17.50	35	ug/kg	JN
1000309-11-9	Sulfurous acid, octyl 2-propyl ester	18.74	12	ug/kg	JN
629-50-5	Tridecane	18.99	70	ug/kg	JN
	Total TIC, Volatile		489	ug/kg	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-D-6		
Lab Sample ID:	MC16950-8	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	94.3
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W8221.D	5	12/21/12	KR	12/17/12	OP31467	MSW387
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2600	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2600	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2600	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	ug/kg	
	3&4-Methylphenol	ND	2600	ug/kg	
88-75-5	2-Nitrophenol	ND	2600	ug/kg	
100-02-7	4-Nitrophenol	ND	5200	ug/kg	
87-86-5	Pentachlorophenol	ND	2600	ug/kg	
108-95-2	Phenol	ND	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2600	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2600	ug/kg	
83-32-9	Acenaphthene	ND	520	ug/kg	
208-96-8	Acenaphthylene	ND	520	ug/kg	
120-12-7	Anthracene	ND	520	ug/kg	
56-55-3	Benzo(a)anthracene	ND	520	ug/kg	
50-32-8	Benzo(a)pyrene	ND	520	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	520	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	520	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	520	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1300	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1300	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1300	ug/kg	
106-47-8	4-Chloroaniline	ND	2600	ug/kg	
86-74-8	Carbazole	ND	520	ug/kg	
218-01-9	Chrysene	ND	520	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1300	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1300	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1300	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1300	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-D-6
Lab Sample ID: MC16950-8
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 94.3

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1300	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1300	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1300	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1300	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	520	ug/kg	
132-64-9	Dibenzofuran	ND	520	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1300	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1300	ug/kg	
84-66-2	Diethyl phthalate	ND	1300	ug/kg	
131-11-3	Dimethyl phthalate	ND	1300	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1300	ug/kg	
206-44-0	Fluoranthene	ND	520	ug/kg	
86-73-7	Fluorene	ND	520	ug/kg	
118-74-1	Hexachlorobenzene	ND	1300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2600	ug/kg	
67-72-1	Hexachloroethane	ND	1300	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	520	ug/kg	
78-59-1	Isophorone	ND	1300	ug/kg	
91-57-6	2-Methylnaphthalene	ND	520	ug/kg	
88-74-4	2-Nitroaniline	ND	2600	ug/kg	
99-09-2	3-Nitroaniline	ND	2600	ug/kg	
100-01-6	4-Nitroaniline	ND	2600	ug/kg	
91-20-3	Naphthalene	ND	520	ug/kg	
98-95-3	Nitrobenzene	ND	1300	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1300	ug/kg	
85-01-8	Phenanthrene	ND	520	ug/kg	
129-00-0	Pyrene	ND	520	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		30-130%
4165-62-2	Phenol-d5	43%		30-130%
118-79-6	2,4,6-Tribromophenol	46%		30-130%
4165-60-0	Nitrobenzene-d5	43%		30-130%
321-60-8	2-Fluorobiphenyl	49%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-D-6		
Lab Sample ID:	MC16950-8	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	94.3
Project:	Scrap Yard, Grove Street, Keeseville, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	57%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
54105-67-8	Heptadecane, 2,6-dimethyl-	7.08	1200	ug/kg	JN
	Total TIC, Semi-Volatile		1200	ug/kg	J

(a) Elevated RL due to sample matrix.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-D-6		
Lab Sample ID:	MC16950-8	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	DAI	**Percent Solids:**	94.3
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PO68102.D	1	12/18/12	AP	n/a	n/a	GPO3898
Run #2	PO68112.D	1	12/20/12	AP	n/a	n/a	GPO3899

	Initial Weight	Final Volume
Run #1	10.0 g	10.0 ml
Run #2	10.4 g	10.0 ml

CAS No.	Compound	Result	RL	Units	Q
107-21-1	Ethylene Glycol	ND	11000	ug/kg	
57-55-6	Propylene Glycol	ND [a]	10000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
78-92-2	sec-Butyl Alcohol	116%		30-150%
75-65-0	Tertiary Butyl Alcohol		119%	30-150%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-D-6
Lab Sample ID: MC16950-8
Matrix: SO - Soil
Method: SW846 8081 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 94.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE33580.D	1	12/20/12	AP	12/18/12	OP31469	GBE1814
Run #2 [a]	BE33593.D	1	12/21/12	AP	12/18/12	OP31469	GBE1815

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2	15.8 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	6.7	ug/kg	
319-84-6	alpha-BHC	ND	6.7	ug/kg	
319-85-7	beta-BHC	ND	6.7	ug/kg	
319-86-8	delta-BHC	ND	6.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	6.7	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.7	ug/kg	
60-57-1	Dieldrin	ND	6.7	ug/kg	
72-54-8	4,4'-DDD	ND	6.7	ug/kg	
72-55-9	4,4'-DDE	ND	6.7	ug/kg	
50-29-3	4,4'-DDT	ND	6.7	ug/kg	
72-20-8	Endrin	ND	6.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.7	ug/kg	
959-98-8	Endosulfan-I	ND	6.7	ug/kg	
33213-65-9	Endosulfan-II	ND	6.7	ug/kg	
76-44-8	Heptachlor	ND	6.7	ug/kg	
1024-57-3	Heptachlor epoxide	ND	6.7	ug/kg	
72-43-5	Methoxychlor	ND	6.7	ug/kg	
53494-70-5	Endrin ketone	ND	6.7	ug/kg	
8001-35-2	Toxaphene	ND	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	20% [b]	20% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	21% [b]	23% [b]	30-150%
2051-24-3	Decachlorobiphenyl	39%	45%	30-150%
2051-24-3	Decachlorobiphenyl	30%	36%	30-150%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-D-6		
Lab Sample ID:	MC16950-8	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8082 SW846 3546	**Percent Solids:**	94.3
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ77531.D	1	12/19/12	CZ	12/17/12	OP31461	GYZ6996
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	100	ug/kg	
11104-28-2	Aroclor 1221	ND	100	ug/kg	
11141-16-5	Aroclor 1232	ND	100	ug/kg	
53469-21-9	Aroclor 1242	ND	100	ug/kg	
12672-29-6	Aroclor 1248	485	100	ug/kg	
11097-69-1	Aroclor 1254 [a]	194	100	ug/kg	
11096-82-5	Aroclor 1260 [a]	126	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		30-150%
877-09-8	Tetrachloro-m-xylene	99%		30-150%
2051-24-3	Decachlorobiphenyl	98%		30-150%
2051-24-3	Decachlorobiphenyl	92%		30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-D-1-9
Lab Sample ID: MC16950-9
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 91.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4920	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Antimony	8.0	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Arsenic	2.5	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	75.1	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Beryllium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Cadmium	2.4	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Calcium	2420	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	13.1	0.86	mg/kg	1	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Copper	62.4	2.1	mg/kg	1	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Iron	16400	8.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Lead	11800	86	mg/kg	100	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Magnesium	1010	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Manganese	202	1.3	mg/kg	1	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.26	0.035	mg/kg	1	12/18/12	12/19/12	SA	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.9	3.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Selenium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Silver	0.54	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Thallium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Vanadium	9.5	0.86	mg/kg	1	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Zinc	464	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA15086
(2) Instrument QC Batch: MA15100
(3) Instrument QC Batch: MA15105
(4) Prep QC Batch: MP20248
(5) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-A-1,2,3		
Lab Sample ID:	MC16950-10	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
		Percent Solids:	93.5
Project:	Scrap Yard, Grove Street, Keeseville, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7600	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	18.6	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.35	0.35	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.35	0.35	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	1570	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	6.9	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	12.6	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	13100	8.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	107	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	828	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	186	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.041	0.031	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	5.7	3.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	9.3	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	169	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-A-4,5,6		
Lab Sample ID:	MC16950-11	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
		Percent Solids:	93.4
Project:	Scrap Yard, Grove Street, Keeseville, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3110	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	1.6	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	26.2	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.35	0.35	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.62	0.35	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	2980	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	12.1	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	4.9	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	36.1	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	18500	8.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	83.2	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1750	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	141	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.069	0.034	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	18.0	3.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	6.9	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	190	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB-A-7,8,9
Lab Sample ID: MC16950-12
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: 92.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3710	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	0.91	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	1.7	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	55.0	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	1.6	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	4320	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	28.7	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	39.8	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	22200	8.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	164	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1130	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	168	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.15	0.034	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	10.2	3.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.86	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	6.8	0.86	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	491	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K65844.D	1	12/19/12	GK	n/a	n/a	MSK2164
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.68 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	400	ug/kg	
71-43-2	Benzene	ND	40	ug/kg	
75-27-4	Bromodichloromethane	ND	160	ug/kg	
75-25-2	Bromoform	ND	160	ug/kg	
74-83-9	Bromomethane	ND	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	400	ug/kg	
75-15-0	Carbon disulfide	ND	400	ug/kg	
56-23-5	Carbon tetrachloride	ND	160	ug/kg	
108-90-7	Chlorobenzene	ND	160	ug/kg	
75-00-3	Chloroethane	ND	400	ug/kg	
67-66-3	Chloroform	ND	160	ug/kg	
74-87-3	Chloromethane	ND	400	ug/kg	
124-48-1	Dibromochloromethane	ND	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	160	ug/kg	
107-06-2	1,2-Dichloroethane	ND	160	ug/kg	
75-35-4	1,1-Dichloroethene	ND	160	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	160	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	160	ug/kg	
78-87-5	1,2-Dichloropropane	ND	160	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	160	ug/kg	
100-41-4	Ethylbenzene	632	160	ug/kg	
591-78-6	2-Hexanone	ND	400	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	400	ug/kg	
75-09-2	Methylene chloride	ND	160	ug/kg	
100-42-5	Styrene	ND	400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	160	ug/kg	
127-18-4	Tetrachloroethene	ND	160	ug/kg	
108-88-3	Toluene	ND	400	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	160	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	160	ug/kg	
79-01-6	Trichloroethene	ND	160	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-E-5		
Lab Sample ID:	MC16950-13	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	160	ug/kg	
1330-20-7	Xylene (total)	5020	160	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W8222.D	5	12/21/12	KR	12/17/12	OP31467	MSW387
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2800	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2800	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2800	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2800	ug/kg	
95-48-7	2-Methylphenol	ND	2800	ug/kg	
	3&4-Methylphenol	ND	2800	ug/kg	
88-75-5	2-Nitrophenol	ND	2800	ug/kg	
100-02-7	4-Nitrophenol	ND	5600	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	ug/kg	
108-95-2	Phenol	ND	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2800	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2800	ug/kg	
83-32-9	Acenaphthene	ND	560	ug/kg	
208-96-8	Acenaphthylene	ND	560	ug/kg	
120-12-7	Anthracene	ND	560	ug/kg	
56-55-3	Benzo(a)anthracene	ND	560	ug/kg	
50-32-8	Benzo(a)pyrene	ND	560	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	560	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	560	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	560	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1400	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1400	ug/kg	
106-47-8	4-Chloroaniline	ND	2800	ug/kg	
86-74-8	Carbazole	ND	560	ug/kg	
218-01-9	Chrysene	ND	560	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1400	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1400	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1400	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2800	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2800	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	560	ug/kg	
132-64-9	Dibenzofuran	ND	560	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1400	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1400	ug/kg	
84-66-2	Diethyl phthalate	ND	1400	ug/kg	
131-11-3	Dimethyl phthalate	ND	1400	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1400	ug/kg	
206-44-0	Fluoranthene	ND	560	ug/kg	
86-73-7	Fluorene	ND	560	ug/kg	
118-74-1	Hexachlorobenzene	ND	1400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2800	ug/kg	
67-72-1	Hexachloroethane	ND	1400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	560	ug/kg	
78-59-1	Isophorone	ND	1400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	560	ug/kg	
88-74-4	2-Nitroaniline	ND	2800	ug/kg	
99-09-2	3-Nitroaniline	ND	2800	ug/kg	
100-01-6	4-Nitroaniline	ND	2800	ug/kg	
91-20-3	Naphthalene	ND	560	ug/kg	
98-95-3	Nitrobenzene	ND	1400	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1400	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	ug/kg	
85-01-8	Phenanthrene	ND	560	ug/kg	
129-00-0	Pyrene	ND	560	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		30-130%
4165-62-2	Phenol-d5	56%		30-130%
118-79-6	2,4,6-Tribromophenol	55%		30-130%
4165-60-0	Nitrobenzene-d5	56%		30-130%
321-60-8	2-Fluorobiphenyl	61%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-E-5		
Lab Sample ID:	MC16950-13	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.9
Project:	Scrap Yard, Grove Street, Keeseville, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	70%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Elevated RL due to sample matrix.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: DAI
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PO68103.D	1	12/18/12	AP	n/a	n/a	GPO3898
Run #2	PO68114.D	1	12/20/12	AP	n/a	n/a	GPO3899

	Initial Weight	Final Volume
Run #1	10.4 g	10.0 ml
Run #2	10.1 g	10.0 ml

CAS No.	Compound	Result	RL	Units	Q
107-21-1	Ethylene Glycol	ND	11000	ug/kg	
57-55-6	Propylene Glycol	ND [a]	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
78-92-2	sec-Butyl Alcohol	131%		30-150%
75-65-0	Tertiary Butyl Alcohol		97%	30-150%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: SW846 8081 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE33581.D	1	12/20/12	AP	12/18/12	OP31469	GBE1814
Run #2 [a]	BE33594.D	1	12/21/12	AP	12/18/12	OP31469	GBE1815

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	7.4	ug/kg	
319-85-7	beta-BHC	ND	7.4	ug/kg	
319-86-8	delta-BHC	ND	7.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.4	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.4	ug/kg	
60-57-1	Dieldrin	ND	7.4	ug/kg	
72-54-8	4,4'-DDD	12.7	7.4	ug/kg	
72-55-9	4,4'-DDE	ND	7.4	ug/kg	
50-29-3	4,4'-DDT	59.8	7.4	ug/kg	
72-20-8	Endrin	ND	7.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.4	ug/kg	
959-98-8	Endosulfan-I	ND	7.4	ug/kg	
33213-65-9	Endosulfan-II	ND	7.4	ug/kg	
76-44-8	Heptachlor	ND	7.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.4	ug/kg	
72-43-5	Methoxychlor	48.0	7.4	ug/kg	
53494-70-5	Endrin ketone	ND	7.4	ug/kg	
8001-35-2	Toxaphene	ND	74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	26% [b]	24% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	21% [b]	23% [b]	30-150%
2051-24-3	Decachlorobiphenyl	48%	51%	30-150%
2051-24-3	Decachlorobiphenyl	45%	48%	30-150%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-5
Lab Sample ID: MC16950-13
Matrix: SO - Soil
Method: SW846 8082 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ77532.D	1	12/19/12	CZ	12/17/12	OP31461	GYZ6996
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248 [a]	135	110	ug/kg	
11097-69-1	Aroclor 1254	167	110	ug/kg	
11096-82-5	Aroclor 1260	ND	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		30-150%
877-09-8	Tetrachloro-m-xylene	84%		30-150%
2051-24-3	Decachlorobiphenyl	135%		30-150%
2051-24-3	Decachlorobiphenyl	122%		30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53054.D	1	12/21/12	AMY	n/a	n/a	MSM1801
Run #2							

	Initial Weight	Final Volume
Run #1	7.05 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	125	4.0	ug/kg	
71-43-2	Benzene	0.62	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	ug/kg	
75-25-2	Bromoform	ND	1.6	ug/kg	
74-83-9	Bromomethane	ND	1.6	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.0	ug/kg	
75-15-0	Carbon disulfide	ND	4.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	ug/kg	
75-00-3	Chloroethane	ND	4.0	ug/kg	
67-66-3	Chloroform	ND	1.6	ug/kg	
74-87-3	Chloromethane	ND	4.0	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	ug/kg	
591-78-6	2-Hexanone	ND	4.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/kg	
75-09-2	Methylene chloride	ND	1.6	ug/kg	
100-42-5	Styrene	ND	4.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	ug/kg	
108-88-3	Toluene	ND	4.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/kg	
79-01-6	Trichloroethene	ND	1.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-E-9		
Lab Sample ID:	MC16950-14	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	88.1
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	14.95	44	ug/kg	JN
104-76-7	1-Hexanol, 2-ethyl-	15.82	40	ug/kg	JN
	Total TIC, Volatile		84	ug/kg	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W8223.D	5	12/21/12	KR	12/17/12	OP31467	MSW387
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2800	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2800	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2800	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2800	ug/kg	
95-48-7	2-Methylphenol	ND	2800	ug/kg	
	3&4-Methylphenol	ND	2800	ug/kg	
88-75-5	2-Nitrophenol	ND	2800	ug/kg	
100-02-7	4-Nitrophenol	ND	5600	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	ug/kg	
108-95-2	Phenol	ND	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2800	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2800	ug/kg	
83-32-9	Acenaphthene	ND	560	ug/kg	
208-96-8	Acenaphthylene	ND	560	ug/kg	
120-12-7	Anthracene	ND	560	ug/kg	
56-55-3	Benzo(a)anthracene	ND	560	ug/kg	
50-32-8	Benzo(a)pyrene	ND	560	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	560	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	560	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	560	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1400	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1400	ug/kg	
106-47-8	4-Chloroaniline	ND	2800	ug/kg	
86-74-8	Carbazole	ND	560	ug/kg	
218-01-9	Chrysene	ND	560	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1400	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1400	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1400	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2800	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2800	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	560	ug/kg	
132-64-9	Dibenzofuran	ND	560	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1400	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1400	ug/kg	
84-66-2	Diethyl phthalate	ND	1400	ug/kg	
131-11-3	Dimethyl phthalate	ND	1400	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	34500	1400	ug/kg	
206-44-0	Fluoranthene	ND	560	ug/kg	
86-73-7	Fluorene	ND	560	ug/kg	
118-74-1	Hexachlorobenzene	ND	1400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2800	ug/kg	
67-72-1	Hexachloroethane	ND	1400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	560	ug/kg	
78-59-1	Isophorone	ND	1400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	560	ug/kg	
88-74-4	2-Nitroaniline	ND	2800	ug/kg	
99-09-2	3-Nitroaniline	ND	2800	ug/kg	
100-01-6	4-Nitroaniline	ND	2800	ug/kg	
91-20-3	Naphthalene	ND	560	ug/kg	
98-95-3	Nitrobenzene	ND	1400	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1400	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	ug/kg	
85-01-8	Phenanthrene	ND	560	ug/kg	
129-00-0	Pyrene	ND	560	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-130%
4165-62-2	Phenol-d5	48%		30-130%
118-79-6	2,4,6-Tribromophenol	42%		30-130%
4165-60-0	Nitrobenzene-d5	49%		30-130%
321-60-8	2-Fluorobiphenyl	48%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-E-9		
Lab Sample ID:	MC16950-14	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.1
Project:	Scrap Yard, Grove Street, Keeseville, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	52%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
57-10-3	n-Hexadecanoic acid	8.17	1300	ug/kg	JN
791-28-6	Triphenylphosphine oxide	10.64	26000	ug/kg	JN
	Total TIC, Semi-Volatile		27300	ug/kg	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: DAI
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PO68104.D	1	12/18/12	AP	n/a	n/a	GPO3898
Run #2	PO68113.D	1	12/20/12	AP	n/a	n/a	GPO3899

	Initial Weight	Final Volume
Run #1	10.4 g	10.0 ml
Run #2	10.1 g	10.0 ml

CAS No.	Compound	Result	RL	Units	Q
107-21-1	Ethylene Glycol	ND	11000	ug/kg	
57-55-6	Propylene Glycol	ND [a]	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
78-92-2	sec-Butyl Alcohol	121%		30-150%
75-65-0	Tertiary Butyl Alcohol		88%	30-150%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: SW846 8081 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE33582.D	1	12/20/12	AP	12/18/12	OP31469	GBE1814
Run #2 [a]	BE33595.D	1	12/21/12	AP	12/18/12	OP31469	GBE1815

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2	15.3 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	7.4	ug/kg	
319-85-7	beta-BHC	ND	7.4	ug/kg	
319-86-8	delta-BHC	ND	7.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.4	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.4	ug/kg	
60-57-1	Dieldrin	ND	7.4	ug/kg	
72-54-8	4,4'-DDD	ND	7.4	ug/kg	
72-55-9	4,4'-DDE	ND	7.4	ug/kg	
50-29-3	4,4'-DDT	13.7	7.4	ug/kg	
72-20-8	Endrin	ND	7.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.4	ug/kg	
959-98-8	Endosulfan-I	ND	7.4	ug/kg	
33213-65-9	Endosulfan-II	ND	7.4	ug/kg	
76-44-8	Heptachlor	ND	7.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.4	ug/kg	
72-43-5	Methoxychlor	ND	7.4	ug/kg	
53494-70-5	Endrin ketone	ND	7.4	ug/kg	
8001-35-2	Toxaphene	ND	74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	27% [b]	24% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	22% [b]	27% [b]	30-150%
2051-24-3	Decachlorobiphenyl	51%	53%	30-150%
2051-24-3	Decachlorobiphenyl	43%	51%	30-150%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: TP-E-9
Lab Sample ID: MC16950-14
Matrix: SO - Soil
Method: SW846 8082 SW846 3546
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ77533.D	1	12/19/12	CZ	12/17/12	OP31461	GYZ6996
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	202	110	ug/kg	
11097-69-1	Aroclor 1254 [a]	190	110	ug/kg	
11096-82-5	Aroclor 1260	ND	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		30-150%
877-09-8	Tetrachloro-m-xylene	65%		30-150%
2051-24-3	Decachlorobiphenyl	109%		30-150%
2051-24-3	Decachlorobiphenyl	101%		30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-D-1-4
Lab Sample ID: MC16950-15
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 86.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5480	18	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Antimony	4.4	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Arsenic	10.4	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	136	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Beryllium	< 0.36	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Cadmium	11.8	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Calcium	5220	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	66.3	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Cobalt	9.3	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Copper	217	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Iron	127000	89	mg/kg	10	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Lead	615	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Magnesium	1110	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Manganese	527	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.48	0.034	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [4]
Nickel	52.2	3.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Potassium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Selenium [a]	< 1.8	1.8	mg/kg	2	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Silver	< 0.45	0.45	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Sodium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Thallium	< 0.89	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Vanadium	8.0	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Zinc	1250	1.8	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Instrument QC Batch: MA15105
(4) Prep QC Batch: MP20255
(5) Prep QC Batch: MP20261

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB-D-5,6,7,8
Lab Sample ID: MC16950-16
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 85.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5030	18	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Antimony	4.6	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Arsenic	5.9	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	127	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Beryllium	< 0.36	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Cadmium	6.3	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Calcium	4810	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	52.7	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Cobalt	5.9	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Copper	201	2.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Iron	53100	9.1	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Lead	4130	9.1	mg/kg	10	12/20/12	12/21/12	EAL	SW846 6010C [3]	SW846 3050B [5]
Magnesium	1440	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Manganese	407	1.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.57	0.035	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [4]
Nickel	47.0	3.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Potassium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Selenium	< 0.91	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Silver	1.2	0.45	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Sodium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Thallium	< 0.91	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Vanadium	11.1	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]
Zinc	1190	1.8	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Instrument QC Batch: MA15105
(4) Prep QC Batch: MP20255
(5) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB-E-1-5
Lab Sample ID: MC16950-17
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 88.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5420	18	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	2.6	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	7.4	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	137	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.36	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	6.0	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	5240	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	34.6	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	6.7	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	767	2.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	65200	9.1	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	463	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	944	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	404	1.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.32	0.034	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	35.6	3.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.91	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	1.1	0.45	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.91	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	8.2	0.91	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	813	1.8	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: TP-E-1-8
Lab Sample ID: MC16950-18
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 90.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4840	18	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	2.5	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	4.3	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	145	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.36	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	6.9	0.36	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	4000	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	22.3	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.5	4.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	70.3	2.2	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	34300	8.9	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	300	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	972	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	246	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.076	0.034	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	19.0	3.6	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.89	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.45	0.45	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 450	450	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.89	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	11.3	0.89	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	593	1.8	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: TP-F-1-8
Lab Sample ID: MC16950-19
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 91.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5490	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	7.8	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	5.8	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	141	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	1.9	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	3460	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	17.3	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	61.4	2.1	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	44400	8.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	822	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	809	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	266	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.12	0.033	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	16.2	3.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	19.7	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	468	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: MC16950-20
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/13/12
Date Received: 12/17/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123095.D	1	12/20/12	JM	n/a	n/a	MSG4892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC16950-20	**Date Sampled:**	12/13/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC16950-21	**Date Sampled:**	12/14/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123096.D	1	12/20/12	JM	n/a	n/a	MSG4892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC16950-21	**Date Sampled:**	12/14/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/17/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Scrap Yard, Grove Street, Keeseville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CS-1
Lab Sample ID: MC16950-22
Matrix: SO - Soil
Project: Scrap Yard, Grove Street, Keeseville, NY

Date Sampled: 12/14/12
Date Received: 12/17/12
Percent Solids: 97.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	695	17	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.34	0.34	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Calcium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	3.8	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 4.3	4.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Copper	11.2	2.1	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Iron	359	8.5	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	1.4	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Magnesium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Manganese	4.8	1.3	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.030	0.030	mg/kg	1	12/19/12	12/20/12	SA	SW846 7471B [1]	SW846 7471B [3]
Nickel	< 3.4	3.4	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 430	430	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	< 0.85	0.85	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	11.5	1.7	mg/kg	1	12/20/12	12/20/12	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15089
(2) Instrument QC Batch: MA15100
(3) Prep QC Batch: MP20255
(4) Prep QC Batch: MP20261

RL = Reporting Limit

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

MC16950

Client / Reporting Information

Company Name: KAS, Inc.
Street Address: 43 Dunlop St, Suite 500
City: Plattsburgh State: NY Zip: 12901
Project Contact: Aaron Roth E-mail: aaron@kasenv.com
Phone #: 518-563-7448 Fax #: 518-563-3189
Sampler(s) Name(s): Aaron Roth / Doug Hall Phone #:

Project Information

Project Name: Scrap Yard
Street: Grove Street
City: Keeseville, NY
Project #: 2407125024
Client PO#:
Project Manager: Aaron Roth

Billing Information (If different from Report to)

Company Name: George Moore Trucking Corp
Street Address: 1456 Route 9
City: Keeseville State: NY Zip: 12944
Attention: Caroline Moore PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes	TCL Volatiles + 10	TCL Semi-Volatiles + 20	PCBs/Pesticides	Glycol	TAL Metals	LAB USE ONLY
DW - Drinking Water GW - Groundwater WW - Water SW - Surface Water SO - Soil SL - Sludge OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank						
-1 Grove-2	X					
-2 Grove-3	X					
-3 Grove-4	X					
-4 Grove-5	X					
-5 TP-A-1	X	X	X	X		
-6 TP-A-1-10					X	
-7 TP-A-5	X					
-8 TP-D-6	X	X	X	X		
-9 TP-D-1-9					X	
-10 SB-A-1,2,3					X	
-11 SB-A-4,5,6					X	
-12 SB-A-7,8,9					X	

Lab #	Field ID / Point of Collection	Matrix Code	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: HCl	Preservation: HNO3	Preservation: H2SO4	Preservation: NaOH	Preservation: Na2S2O3	Preservation: NaHSO4	Preservation: DI/Other
-1	Grove-2		12/13/12	1405	DM	GW	2	X						
-2	Grove-3		12/13/12	1580	DM	GW	2	X						
-3	Grove-4		12/13/12	1425	DM	GW	2	X						
-4	Grove-5		12/13/12	1055	DM	GW	2	X						
-5	TP-A-1		12/13/12	1010	AR	SO	7				X	X	X	
-6	TP-A-1-10		12/13/12	~~1230~~ 1233	AR	SO	1				X			
-7	TP-A-5		12/13/12	1015	AR	SO	4				X	X	X	
-8	TP-D-6		12/13/12	1240	AR	SO	7				X	X	X	
-9	TP-D-1-9		12/13/12	1420	AR	SO	1				X			
-10	SB-A-1,2,3		12/13/12	930	DM	SO	1				X			
-11	SB-A-4,5,6		12/13/12	1000	DM	SO	1				X			
-12	SB-A-7,8,9		12/13/12	1030	DM	SO	1				X			

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 3 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Labnet

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] ST RCP
- [ ] NJ RCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

451, 1015, 11R

RECEIVED
1/16/13 9F

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	12/14/12 1610	1 Fedex	2 Fedex	12-15-12	2
3		3	4		4
5		5	Custody Seal # [ ] Intact [ ] Not Intact	Preserved where applicable [ ]	On Ice: 4 Cooler Temp: 1.2

MC16950: Chain of Custody
Page 1 of 6

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

Accutest Job #: MC 16950

Client / Reporting Information
Company Name: KAS, Inc.
Street Address: 43 Durkee St, Suite 500
City / State / Zip: Plattsburgh NY 12901
Project Contact: Aaron Roth
Phone #: 518-563-7445 Fax #: 518-563-5109
Sampler(s) Name(s): Aaron Roth / Doug McCaslin

Project Information
Project Name: Scrap Yard and Former Weld Shop
Street: Grove St and Route 75
City: Keeseville, NY
Project #: 4071250?4
Project Manager: Aaron Roth

Billing Information (if different from Report to)
Company Name: Grange Moore Trucking & Equip
Street Address: 1459 Route 9
City / State / Zip: Keeseville NY 12944
Attention: Carolyn Moore

Requested Analysis: TCL Volatiles + 10; TCL Semi-Volatiles + 20; PCBs / Pesticides; Glycols; TAL Metals

Sample #	Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	TCL Volatiles + 10	TCL Semi-Volatiles + 20	PCBs / Pesticides	Glycols	TAL Metals
-13	TP-E-5	12/14/12	1105	AR	SO	7	X	X	X	X	~~X~~
-14	TP-E-9	12/14/12	~~1105~~ 1125	AR	SO	7	X	X	X	X	~~X~~
-15	SB-E-1-4	12/14/12	920	AR	SO	1					X
-16	~~SB-E-3.6-7.8~~ SB-D-3.6-7.8	12/14/12	1205	DM	SO	1					X
-17	SB-E-1-3 (AR)	12/14/12	1220	DM	SO	1					X
-18	TP-E-1-8	12/14/12	1140	AR	SO	1					X
-19	TP-F-1-8	12/14/12	1130	AR	SO	1					X
-20	Trip Blank	12/13/12	—								
-21	Trip Blank	12/14/12	—								

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days): [X] Std. 10 Business Days; [ ] Std. 5 Business Days (By Contract only); [ ] 5 Day RUSH; [ ] 3 Day EMERGENCY; [ ] 2 Day EMERGENCY; [ ] 1 Day EMERGENCY
Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information: [ ] Commercial "A" (Level 1); [X] Commercial "B" (Level 2); [ ] FULLT1 (Level 3+4); [ ] CT RCP; [ ] MA MCP; [ ] NYASP Category A; [ ] NYASP Category B; [ ] State Forms; [ ] EDD Format; [ ] Other
Commercial "A" = Results Only; Commercial "B" = Results + QC Summary

Comments / Special Instructions: 12/18/12 - -15 ID change per client email
REVISED 1/16/13 AF

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	12/14/12 1610	1 FX	2 FX	12/15/12 9:45	2 [signature]
3		3	4		4
5		5	Custody Seal #		

MC16950: Chain of Custody
Page 2 of 6

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC16950

Client / Reporting Information

Company Name: KAS, Inc.
Street Address: 43 Durkee St., Suite 500
City: Plattsburgh State: NY Zip: 12901
Project Contact: Aaron Roth E-mail: aaroth@kasconsultinginc.com
Phone #: 518-563-9445 Fax #: 518-563-5189
Sampler(s) Name(s): Aaron Roth / Doug McGill Phone #:

Project Information

Project Name: Scrap Yard
Street: Grove Street
City: Keeseville, NY
Project#: 9407125024
Client PO#: -
Project Manager: Aaron Roth

Billing Information (If different from Report to)

Company Name: George Moore Truckyard Equip
Street Address: 1456 Route 9
City: Keeseville State: NY Zip: 12944
Attention: Caroline Moore PO#:

Requested Analysis (see TEST CODE sheet): TCL Volatiles + 10; TCL Semi-Volatiles + 20; PCBs/Pesticides; Glycol; TAL Metals

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	TCL Volatiles + 10	TCL Semi-Volatiles + 20	PCBs/Pesticides	Glycol	TAL Metals	LAB USE ONLY
-1	Grove-2		12/13/12	1405	DM	GW	2	X									X					
-2	Grove-3		12/13/12	1300	DM	GW	2	X									X					
-3	Grove-4		12/13/12	1425	DM	GW	2	X									X					
-4	Grove-5		12/13/12	1055	DM	GW	2	X									X					
-5	TP-A-1		12/13/12	1010	AR	SO	7					X		X	X		X	X	X	X		
-6	TP-A-1-10		12/13/12	~~1230~~ 1230	AR	SO	1					X									X	
-7	TP-A-5		12/13/12	1010	AR	SO	4					X		X	X		X					
-8	TP-D-6		12/13/12	1240	AR	SO	7					X		X	X		X	X	X	X		
-9	TP-D-1-9		12/13/12	1420	AR	SO	1					X									X	
-10	SB-A-1,2,3		12/13/12	930	DM	SO	1					X									X	
-11	SB-A-4,5,6		12/13/12	1000	DM	SO	1					X									X	
-12	SB-A-7,8,9		12/13/12	1030	DM	SO	1					X									X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

451, 1065, 11A

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	12/14/12 1610	1 FedEx	2 FedEx	12-15-12 9:45	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #:	☐ Intact ☐ Not intact	Preserved where applicable ☐; On Ice ☑; Cooler Temp. 1.2

MC16950: Chain of Custody
Page 3 of 6

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC 16950

Client / Reporting Information

Company Name: KAS, Inc.
Street Address: 43 Durkee St, Suite 500
City / State / Zip: Plattsburgh NY 12901
Project Contact / E-mail: Aaron Roth aaron@kas-consulting.com
Phone # / Fax #: 518-563-7445 518-563-5189
Sampler(s) Name(s) / Phone #: Aaron Roth/Doug McGill

Project Information

Project Name: Scrap Yard and Former Weld Shop
Street: Grove St and Route 9S
City: Keeseville, NY
Project #: 407125024
Client PO#: -
Project Manager: Aaron Roth

Billing Information (If different from Report to)

Company Name: George Moore Trucking & Equip
Street Address: 1459 Route 9
City / State / Zip: Keeseville NY 12944
Attention: Caroline Moore PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	TCL Volatiles +10	TCL Semi-Volatiles +20	PCBs/Pesticides	Glycol	TAL Metals	LAB USE ONLY
-13	TP-E-5		12/14/12	1105	AR	SO	7					X		X	X		X	X	X	X	X (DP)	
-14	TP-E-9		12/14/12	~~1105~~ 1103 RE	AR	SO	7					X		X	X		X	X	X	X	X (DR)	
-15	SB-E-1-4		12/14/12	920	AR	SO	1					X									X	
-16	SB-E-5,6,7,8		12/14/12	1200	DM	SO	1					X									X	
-17	SB-E-1-5		12/14/12	1220	DM	SO	1					X									X	
-18	TP-F-1-8		12/14/12	1140	AR	SO	1					X									X	
-19	TP-F-1-8		12/14/12	1140	AR	SO	2					X									X	
-20	Trip Blank		12/13/12	—								X										
-21	Trip Blank		12/14/12	-								X										

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

12/18/12 - -15 ID change per client email
ef

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		12/14/12 1610	FX	FX	12-15-12 9:45	
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
				4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp.
			5			

MC16950: Chain of Custody
Page 4 of 6

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC16950 **Client:** KAS **Immediate Client Services Action Required:** No

Date / Time Received: 12/17/2012 **Delivery Method:** FedEx

Project: SCRAP YARD **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media:	Ice (bag)

Quality Control _Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	
2. Trip Blank listed on COC:	☑	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample rec'd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

ID#15-ID on sample bottle doesn't match COC but all other information agree. sampleID"SB-D-1-4" COC ID"SB-E-1-4".
ID#22- not on COC ID on sample "CS-1" for TAL METAL,12/14/12,time"13:25
-20, -21: Trip Blanks, no analysis requested.

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC16950

CSR: Jeremy Vienneau **Response Date:** 12/18/2012

Response: Client advised that the correct ID should be SB-D-1-4. CS-1 should be analyzed for TAL Metals. Trip Blanks should be analyzed for VOCs. See email in file.

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2164-MB	K65832.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/kg	
71-43-2	Benzene	ND	25	ug/kg	
75-27-4	Bromodichloromethane	ND	100	ug/kg	
75-25-2	Bromoform	ND	100	ug/kg	
74-83-9	Bromomethane	ND	100	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	ug/kg	
75-15-0	Carbon disulfide	ND	250	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	ug/kg	
108-90-7	Chlorobenzene	ND	100	ug/kg	
75-00-3	Chloroethane	ND	250	ug/kg	
67-66-3	Chloroform	ND	100	ug/kg	
74-87-3	Chloromethane	ND	250	ug/kg	
124-48-1	Dibromochloromethane	ND	100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	ug/kg	
100-41-4	Ethylbenzene	ND	100	ug/kg	
591-78-6	2-Hexanone	ND	250	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/kg	
75-09-2	Methylene chloride	ND	100	ug/kg	
100-42-5	Styrene	ND	250	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ug/kg	
127-18-4	Tetrachloroethene	ND	100	ug/kg	
108-88-3	Toluene	ND	250	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	ug/kg	
79-01-6	Trichloroethene	ND	100	ug/kg	
75-01-4	Vinyl chloride	ND	100	ug/kg	
1330-20-7	Xylene (total)	ND	100	ug/kg	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2164-MB	K65832.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG4892-MB	G123093.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG4892-MB	G123093.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	79%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2683-MB	N71382.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2683-MB	N71382.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1801-MB	M53045.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	2.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1801-MB	M53045.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	88%	70-130%
460-00-4	4-Bromofluorobenzene	80%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2683-BS	N71380.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.8	86	70-130
71-43-2	Benzene	50	47.4	95	70-130
75-27-4	Bromodichloromethane	50	49.0	98	70-130
75-25-2	Bromoform	50	46.6	93	70-130
74-83-9	Bromomethane	50	49.6	99	70-130
78-93-3	2-Butanone (MEK)	50	44.8	90	70-130
75-15-0	Carbon disulfide	50	46.7	93	70-130
56-23-5	Carbon tetrachloride	50	42.7	85	70-130
108-90-7	Chlorobenzene	50	45.7	91	70-130
75-00-3	Chloroethane	50	49.2	98	70-130
67-66-3	Chloroform	50	46.2	92	70-130
74-87-3	Chloromethane	50	49.2	98	70-130
124-48-1	Dibromochloromethane	50	50.7	101	70-130
75-34-3	1,1-Dichloroethane	50	47.9	96	70-130
107-06-2	1,2-Dichloroethane	50	46.4	93	70-130
75-35-4	1,1-Dichloroethene	50	48.2	96	70-130
156-59-2	cis-1,2-Dichloroethene	50	45.9	92	70-130
156-60-5	trans-1,2-Dichloroethene	50	44.9	90	70-130
78-87-5	1,2-Dichloropropane	50	47.2	94	70-130
10061-01-5	cis-1,3-Dichloropropene	50	40.6	81	70-130
10061-02-6	trans-1,3-Dichloropropene	50	43.5	87	70-130
100-41-4	Ethylbenzene	50	48.6	97	70-130
591-78-6	2-Hexanone	50	47.7	95	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	45.1	90	70-130
75-09-2	Methylene chloride	50	47.4	95	70-130
100-42-5	Styrene	50	45.6	91	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	44.1	88	70-130
127-18-4	Tetrachloroethene	50	52.5	105	70-130
108-88-3	Toluene	50	47.6	95	70-130
71-55-6	1,1,1-Trichloroethane	50	40.8	82	70-130
79-00-5	1,1,2-Trichloroethane	50	46.0	92	70-130
79-01-6	Trichloroethene	50	45.6	91	70-130
75-01-4	Vinyl chloride	50	41.9	84	70-130
1330-20-7	Xylene (total)	150	141	94	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2683-BS	N71380.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1801-BS	M53043.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	37.5	75	70-130
71-43-2	Benzene	50	50.9	102	70-130
75-27-4	Bromodichloromethane	50	47.4	95	70-130
75-25-2	Bromoform	50	46.9	94	70-130
74-83-9	Bromomethane	50	55.4	111	70-130
78-93-3	2-Butanone (MEK)	50	52.0	104	70-130
75-15-0	Carbon disulfide	50	61.1	122	70-130
56-23-5	Carbon tetrachloride	50	56.9	114	70-130
108-90-7	Chlorobenzene	50	46.4	93	70-130
75-00-3	Chloroethane	50	58.4	117	70-130
67-66-3	Chloroform	50	50.2	100	70-130
74-87-3	Chloromethane	50	62.6	125	70-130
124-48-1	Dibromochloromethane	50	46.1	92	70-130
75-34-3	1,1-Dichloroethane	50	53.7	107	70-130
107-06-2	1,2-Dichloroethane	50	48.7	97	70-130
75-35-4	1,1-Dichloroethene	50	59.9	120	70-130
156-59-2	cis-1,2-Dichloroethene	50	49.5	99	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.4	109	70-130
78-87-5	1,2-Dichloropropane	50	47.7	95	70-130
10061-01-5	cis-1,3-Dichloropropene	50	47.2	94	70-130
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	70-130
100-41-4	Ethylbenzene	50	51.0	102	70-130
591-78-6	2-Hexanone	50	65.7	131* [a]	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	60.8	122	70-130
75-09-2	Methylene chloride	50	46.5	93	70-130
100-42-5	Styrene	50	47.4	95	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.1	100	70-130
127-18-4	Tetrachloroethene	50	55.3	111	70-130
108-88-3	Toluene	50	53.3	107	70-130
71-55-6	1,1,1-Trichloroethane	50	55.5	111	70-130
79-00-5	1,1,2-Trichloroethane	50	48.1	96	70-130
79-01-6	Trichloroethene	50	53.7	107	70-130
75-01-4	Vinyl chloride	50	58.7	117	70-130
1330-20-7	Xylene (total)	150	149	99	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1801-BS	M53043.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	89%	70-130%
460-00-4	4-Bromofluorobenzene	82%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2164-BS	K65829.D	1	12/19/12	GK	n/a	n/a	MSK2164
MSK2164-BSD	K65830.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	1720	69* [a]	1650	66* [a]	4	70-130/25
71-43-2	Benzene	2500	2470	99	2520	101	2	70-130/25
75-27-4	Bromodichloromethane	2500	2570	103	2600	104	1	70-130/25
75-25-2	Bromoform	2500	2530	101	2620	105	3	70-130/25
74-83-9	Bromomethane	2500	2930	117	2840	114	3	70-130/25
78-93-3	2-Butanone (MEK)	2500	1780	71	1870	75	5	70-130/25
75-15-0	Carbon disulfide	2500	2520	101	2510	100	0	70-130/25
56-23-5	Carbon tetrachloride	2500	2550	102	2700	108	6	70-130/25
108-90-7	Chlorobenzene	2500	2790	112	2880	115	3	70-130/25
75-00-3	Chloroethane	2500	2770	111	2630	105	5	70-130/25
67-66-3	Chloroform	2500	2410	96	2440	98	1	70-130/25
74-87-3	Chloromethane	2500	3580	143* [a]	3370	135* [a]	6	70-130/25
124-48-1	Dibromochloromethane	2500	2700	108	2790	112	3	70-130/25
75-34-3	1,1-Dichloroethane	2500	2360	94	2340	94	1	70-130/25
107-06-2	1,2-Dichloroethane	2500	2500	100	2530	101	1	70-130/25
75-35-4	1,1-Dichloroethene	2500	2530	101	2590	104	2	70-130/25
156-59-2	cis-1,2-Dichloroethene	2500	2330	93	2350	94	1	70-130/25
156-60-5	trans-1,2-Dichloroethene	2500	2330	93	2350	94	1	70-130/25
78-87-5	1,2-Dichloropropane	2500	2410	96	2390	96	1	70-130/25
10061-01-5	cis-1,3-Dichloropropene	2500	2480	99	2500	100	1	70-130/25
10061-02-6	trans-1,3-Dichloropropene	2500	2650	106	2670	107	1	70-130/25
100-41-4	Ethylbenzene	2500	2690	108	2800	112	4	70-130/25
591-78-6	2-Hexanone	2500	2040	82	2080	83	2	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2090	84	2070	83	1	70-130/25
75-09-2	Methylene chloride	2500	2440	98	2480	99	2	70-130/25
100-42-5	Styrene	2500	2590	104	2680	107	3	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	2500	2560	102	2480	99	3	70-130/25
127-18-4	Tetrachloroethene	2500	2510	100	2690	108	7	70-130/25
108-88-3	Toluene	2500	2520	101	2580	103	2	70-130/25
71-55-6	1,1,1-Trichloroethane	2500	2530	101	2520	101	0	70-130/25
79-00-5	1,1,2-Trichloroethane	2500	2510	100	2430	97	3	70-130/25
79-01-6	Trichloroethene	2500	2500	100	2590	104	4	70-130/25
75-01-4	Vinyl chloride	2500	3040	122	2750	110	10	70-130/25
1330-20-7	Xylene (total)	7500	8560	114	8790	117	3	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2164-BS	K65829.D	1	12/19/12	GK	n/a	n/a	MSK2164
MSK2164-BSD	K65830.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	70-130%
2037-26-5	Toluene-D8	106%	107%	70-130%
460-00-4	4-Bromofluorobenzene	107%	105%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG4892-BS	G123090.D	1	12/20/12	JM	n/a	n/a	MSG4892
MSG4892-BSD	G123091.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	65.2	130	61.7	123	6	70-130/25
71-43-2	Benzene	50	56.3	113	55.1	110	2	70-130/25
75-27-4	Bromodichloromethane	50	51.3	103	50.5	101	2	70-130/25
75-25-2	Bromoform	50	38.4	77	39.0	78	2	70-130/25
74-83-9	Bromomethane	50	50.7	101	50.2	100	1	70-130/25
78-93-3	2-Butanone (MEK)	50	53.9	108	54.2	108	1	70-130/25
75-15-0	Carbon disulfide	50	55.7	111	54.8	110	2	70-130/25
56-23-5	Carbon tetrachloride	50	51.6	103	50.6	101	2	70-130/25
108-90-7	Chlorobenzene	50	48.8	98	48.5	97	1	70-130/25
75-00-3	Chloroethane	50	55.6	111	55.5	111	0	70-130/25
67-66-3	Chloroform	50	54.1	108	52.8	106	2	70-130/25
74-87-3	Chloromethane	50	66.4	133* [a]	65.7	131* [a]	1	70-130/25
124-48-1	Dibromochloromethane	50	45.4	91	45.8	92	1	70-130/25
75-34-3	1,1-Dichloroethane	50	59.1	118	58.2	116	2	70-130/25
107-06-2	1,2-Dichloroethane	50	47.5	95	47.4	95	0	70-130/25
75-35-4	1,1-Dichloroethene	50	55.5	111	55.2	110	1	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	54.6	109	53.3	107	2	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	54.7	109	54.2	108	1	70-130/25
78-87-5	1,2-Dichloropropane	50	54.8	110	54.2	108	1	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	51.6	103	50.9	102	1	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	52.0	104	51.9	104	0	70-130/25
100-41-4	Ethylbenzene	50	53.7	107	53.7	107	0	70-130/25
591-78-6	2-Hexanone	50	52.3	105	49.8	100	5	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	39.3	79	39.6	79	1	70-130/25
75-09-2	Methylene chloride	50	53.6	107	52.1	104	3	70-130/25
100-42-5	Styrene	50	48.3	97	48.6	97	1	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.9	106	52.9	106	0	70-130/25
127-18-4	Tetrachloroethene	50	48.8	98	49.1	98	1	70-130/25
108-88-3	Toluene	50	54.3	109	53.4	107	2	70-130/25
71-55-6	1,1,1-Trichloroethane	50	57.4	115	55.9	112	3	70-130/25
79-00-5	1,1,2-Trichloroethane	50	47.9	96	47.3	95	1	70-130/25
79-01-6	Trichloroethene	50	52.0	104	51.3	103	1	70-130/25
75-01-4	Vinyl chloride	50	57.9	116	58.0	116	0	70-130/25
1330-20-7	Xylene (total)	150	157	105	157	105	0	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG4892-BS	G123090.D	1	12/20/12	JM	n/a	n/a	MSG4892
MSG4892-BSD	G123091.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	79%	79%	70-130%
2037-26-5	Toluene-D8	85%	84%	70-130%
460-00-4	4-Bromofluorobenzene	93%	91%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16927-3MS	K65845.D	1	12/19/12	GK	n/a	n/a	MSK2164
MC16927-3MSD	K65846.D	1	12/19/12	GK	n/a	n/a	MSK2164
MC16927-3	K65833.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Compound	MC16927-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1580	1250	79	1170	74	7	70-130/30
71-43-2	Benzene	ND		1580	1590	101	1560	99	2	70-130/30
75-27-4	Bromodichloromethane	ND		1580	1630	103	1620	103	1	70-130/30
75-25-2	Bromoform	ND		1580	1670	106	1710	108	2	70-130/30
74-83-9	Bromomethane	ND		1580	1630	103	1390	88	16	70-130/30
78-93-3	2-Butanone (MEK)	ND		1580	1270	80	1280	81	1	70-130/30
75-15-0	Carbon disulfide	ND		1580	1620	103	1540	97	5	70-130/30
56-23-5	Carbon tetrachloride	ND		1580	1620	103	1570	99	3	70-130/30
108-90-7	Chlorobenzene	ND		1580	1830	116	1830	116	0	70-130/30
75-00-3	Chloroethane	ND		1580	1650	104	1450	92	13	70-130/30
67-66-3	Chloroform	ND		1580	1550	98	1510	96	3	70-130/30
74-87-3	Chloromethane	ND		1580	2040	129	1970	125	3	70-130/30
124-48-1	Dibromochloromethane	ND		1580	1710	108	1760	111	3	70-130/30
75-34-3	1,1-Dichloroethane	ND		1580	1530	97	1480	94	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		1580	1570	99	1560	99	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		1580	1820	115	1570	99	15	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		1580	1520	96	1460	92	4	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		1580	1500	95	1450	92	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		1580	1580	100	1550	98	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		1580	1600	101	1580	100	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		1580	1680	106	1660	105	1	70-130/30
100-41-4	Ethylbenzene	18.9		1580	1750	110	1760	110	1	70-130/30
591-78-6	2-Hexanone	ND		1580	1380	87	1520	96	10	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1580	1440	91	1460	92	1	70-130/30
75-09-2	Methylene chloride	ND		1580	1560	99	1510	96	3	70-130/30
100-42-5	Styrene	ND		1580	1650	104	1690	107	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1580	1540	97	1550	98	1	70-130/30
127-18-4	Tetrachloroethene	ND		1580	1700	108	1720	109	1	70-130/30
108-88-3	Toluene	ND		1580	1610	102	1610	102	0	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		1580	1610	102	1530	97	5	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		1580	1560	99	1560	99	0	70-130/30
79-01-6	Trichloroethene	ND		1580	1580	100	1570	99	1	70-130/30
75-01-4	Vinyl chloride	ND		1580	1280	81	1110	70	14	70-130/30
1330-20-7	Xylene (total)	110		4740	5700	118	5780	120	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16927-3MS	K65845.D	1	12/19/12	GK	n/a	n/a	MSK2164
MC16927-3MSD	K65846.D	1	12/19/12	GK	n/a	n/a	MSK2164
MC16927-3	K65833.D	1	12/19/12	GK	n/a	n/a	MSK2164

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-5, MC16950-7, MC16950-13

CAS No.	Surrogate Recoveries	MS	MSD	MC16927-3	Limits
1868-53-7	Dibromofluoromethane	99%	94%	96%	70-130%
2037-26-5	Toluene-D8	105%	104%	97%	70-130%
460-00-4	4-Bromofluorobenzene	106%	107%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16977-1MS	G123100.D	5	12/20/12	JM	n/a	n/a	MSG4892
MC16977-1MSD	G123101.D	5	12/20/12	JM	n/a	n/a	MSG4892
MC16977-1	G123099.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Compound	MC16977-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	236	94	215	86	9	70-130/30
71-43-2	Benzene	ND		250	300	120	297	119	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	278	111	276	110	1	70-130/30
75-25-2	Bromoform	ND		250	216	86	218	87	1	70-130/30
74-83-9	Bromomethane	ND		250	280	112	273	109	3	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	242	97	246	98	2	70-130/30
75-15-0	Carbon disulfide	ND		250	269	108	275	110	2	70-130/30
56-23-5	Carbon tetrachloride	ND		250	277	111	273	109	1	70-130/30
108-90-7	Chlorobenzene	ND		250	259	104	258	103	0	70-130/30
75-00-3	Chloroethane	ND		250	312	125	300	120	4	70-130/30
67-66-3	Chloroform	ND		250	289	116	284	114	2	70-130/30
74-87-3	Chloromethane	ND		250	354	142* [a]	356	142* [a]	1	70-130/30
124-48-1	Dibromochloromethane	ND		250	250	100	252	101	1	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	318	127	307	123	4	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	262	105	260	104	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	311	124	294	118	6	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	291	116	285	114	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	295	118	289	116	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	295	118	289	116	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	275	110	279	112	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	286	114	288	115	1	70-130/30
100-41-4	Ethylbenzene	ND		250	285	114	285	114	0	70-130/30
591-78-6	2-Hexanone	ND		250	245	98	245	98	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	167	67* [a]	165	66* [a]	1	70-130/30
75-09-2	Methylene chloride	ND		250	291	116	284	114	2	70-130/30
100-42-5	Styrene	ND		250	251	100	251	100	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	293	117	297	119	1	70-130/30
127-18-4	Tetrachloroethene	ND		250	261	104	259	104	1	70-130/30
108-88-3	Toluene	ND		250	289	116	288	115	0	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	300	120	298	119	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	268	107	265	106	1	70-130/30
79-01-6	Trichloroethene	ND		250	275	110	271	108	1	70-130/30
75-01-4	Vinyl chloride	ND		250	317	127	310	124	2	70-130/30
1330-20-7	Xylene (total)	ND		750	832	111	830	111	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16977-1MS	G123100.D	5	12/20/12	JM	n/a	n/a	MSG4892
MC16977-1MSD	G123101.D	5	12/20/12	JM	n/a	n/a	MSG4892
MC16977-1	G123099.D	1	12/20/12	JM	n/a	n/a	MSG4892

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-4, MC16950-20, MC16950-21

CAS No.	Surrogate Recoveries	MS	MSD	MC16977-1	Limits
1868-53-7	Dibromofluoromethane	81%	80%	79%	70-130%
2037-26-5	Toluene-D8	84%	85%	83%	70-130%
460-00-4	4-Bromofluorobenzene	89%	91%	91%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16857-4MS	N71401.D	5	12/21/12	KD	n/a	n/a	MSN2683
MC16857-4MSD	N71402.D	5	12/21/12	KD	n/a	n/a	MSN2683
MC16857-4	N71390.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Compound	MC16857-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	227	91	233	93	3	70-130/30
71-43-2	Benzene	ND		250	243	97	241	96	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	245	98	247	99	1	70-130/30
75-25-2	Bromoform	ND		250	236	94	245	98	4	70-130/30
74-83-9	Bromomethane	ND		250	189	76	252	101	29	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	216	86	230	92	6	70-130/30
75-15-0	Carbon disulfide	ND		250	243	97	244	98	0	70-130/30
56-23-5	Carbon tetrachloride	ND		250	211	84	217	87	3	70-130/30
108-90-7	Chlorobenzene	ND		250	231	92	232	93	0	70-130/30
75-00-3	Chloroethane	ND		250	260	104	258	103	1	70-130/30
67-66-3	Chloroform	ND		250	241	96	241	96	0	70-130/30
74-87-3	Chloromethane	ND		250	228	91	240	96	5	70-130/30
124-48-1	Dibromochloromethane	ND		250	258	103	258	103	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	248	99	248	99	0	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	237	95	240	96	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	250	100	242	97	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	232	93	232	93	0	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	237	95	237	95	0	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	244	98	245	98	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	200	80	209	84	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	212	85	223	89	5	70-130/30
100-41-4	Ethylbenzene	ND		250	249	100	247	99	1	70-130/30
591-78-6	2-Hexanone	ND		250	244	98	256	102	5	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	225	90	233	93	3	70-130/30
75-09-2	Methylene chloride	ND		250	241	96	238	95	1	70-130/30
100-42-5	Styrene	ND		250	236	94	235	94	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	226	90	234	94	3	70-130/30
127-18-4	Tetrachloroethene	ND		250	266	106	265	106	0	70-130/30
108-88-3	Toluene	ND		250	248	99	243	97	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	214	86	219	88	2	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	244	98	250	100	2	70-130/30
79-01-6	Trichloroethene	ND		250	234	94	236	94	1	70-130/30
75-01-4	Vinyl chloride	ND		250	215	86	214	86	0	70-130/30
1330-20-7	Xylene (total)	ND		750	728	97	723	96	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16857-4MS	N71401.D	5	12/21/12	KD	n/a	n/a	MSN2683
MC16857-4MSD	N71402.D	5	12/21/12	KD	n/a	n/a	MSN2683
MC16857-4	N71390.D	1	12/21/12	KD	n/a	n/a	MSN2683

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-1, MC16950-2, MC16950-3

CAS No.	Surrogate Recoveries	MS	MSD	MC16857-4	Limits
1868-53-7	Dibromofluoromethane	98%	100%	100%	70-130%
2037-26-5	Toluene-D8	103%	104%	103%	70-130%
460-00-4	4-Bromofluorobenzene	100%	102%	118%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16889-1MS	M53064.D	1	12/21/12	AMY	n/a	n/a	MSM1801
MC16889-1MSD	M53065.D	1	12/21/12	AMY	n/a	n/a	MSM1801
MC16889-1	M53059.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Compound	MC16889-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		52.8	40.1	76	78.5	154* [a]	65* [b]	70-130/30
71-43-2	Benzene	ND		52.8	13.5	26* [a]	34.9	69* [a]	88* [b]	70-130/30
75-27-4	Bromodichloromethane	ND		52.8	15.4	29* [a]	34.8	68* [a]	77* [b]	70-130/30
75-25-2	Bromoform	ND		52.8	15.4	29* [a]	33.1	65* [a]	73* [b]	70-130/30
74-83-9	Bromomethane	ND		52.8	21.6	41* [a]	44.4	87	69* [b]	70-130/30
78-93-3	2-Butanone (MEK)	ND		52.8	22.3	42* [a]	45.0	88	67* [b]	70-130/30
75-15-0	Carbon disulfide	ND		52.8	19.5	37* [a]	44.4	87	78* [b]	70-130/30
56-23-5	Carbon tetrachloride	ND		52.8	10	19* [a]	35.6	70	112* [b]	70-130/30
108-90-7	Chlorobenzene	ND		52.8	8.7	16* [a]	28.4	56* [a]	106* [b]	70-130/30
75-00-3	Chloroethane	ND		52.8	20.5	39* [a]	45.4	89	76* [b]	70-130/30
67-66-3	Chloroform	ND		52.8	16.1	31* [a]	35.6	70	75* [b]	70-130/30
74-87-3	Chloromethane	ND		52.8	23.4	44* [a]	47.7	94	68* [b]	70-130/30
124-48-1	Dibromochloromethane	ND		52.8	15.7	30* [a]	33.3	65* [a]	72* [b]	70-130/30
75-34-3	1,1-Dichloroethane	ND		52.8	16.5	31* [a]	37.5	74	78* [b]	70-130/30
107-06-2	1,2-Dichloroethane	ND		52.8	18.8	36* [a]	36.1	71	63* [b]	70-130/30
75-35-4	1,1-Dichloroethene	ND		52.8	17.8	34* [a]	44.0	86	85* [b]	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		52.8	16.6	31* [a]	35.5	70	73* [b]	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		52.8	17.4	33* [a]	39.6	78	78* [b]	70-130/30
78-87-5	1,2-Dichloropropane	ND		52.8	13.9	26* [a]	33.0	65* [a]	81* [b]	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		52.8	14.0	27* [a]	31.5	62* [a]	77* [b]	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		52.8	15.9	30* [a]	34.0	67* [a]	73* [b]	70-130/30
100-41-4	Ethylbenzene	ND		52.8	5.8	11* [a]	28.2	55* [a]	132* [b]	70-130/30
591-78-6	2-Hexanone	ND		52.8	18.7	35* [a]	40.2	79	73* [b]	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		52.8	19.5	37* [a]	40.7	80	70* [b]	70-130/30
75-09-2	Methylene chloride	ND		52.8	18.8	36* [a]	36.2	71	63* [b]	70-130/30
100-42-5	Styrene	ND		52.8	ND	0* [a]	3.1	6* [a]	200* [b]	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		52.8	14.7	28* [a]	34.5	68* [a]	80* [b]	70-130/30
127-18-4	Tetrachloroethene	ND		52.8	6.6	13* [a]	31.1	61* [a]	130* [b]	70-130/30
108-88-3	Toluene	1.3	J	52.8	10.3	17* [a]	33.4	63* [a]	106* [b]	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		52.8	11.7	22* [a]	35.9	71	102* [b]	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		52.8	16.1	31* [a]	33.9	67* [a]	71* [b]	70-130/30
79-01-6	Trichloroethene	ND		52.8	12.3	23* [a]	34.6	68* [a]	95* [b]	70-130/30
75-01-4	Vinyl chloride	ND		52.8	21.0	40* [a]	42.9	84	69* [b]	70-130/30
1330-20-7	Xylene (total)	2.3	J	158	17.0	9* [a]	80.0	51* [a]	130* [b]	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16889-1MS	M53064.D	1	12/21/12	AMY	n/a	n/a	MSM1801
MC16889-1MSD	M53065.D	1	12/21/12	AMY	n/a	n/a	MSM1801
MC16889-1	M53059.D	1	12/21/12	AMY	n/a	n/a	MSM1801

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC16950-8, MC16950-14

CAS No.	Surrogate Recoveries	MS	MSD	MC16889-1	Limits
1868-53-7	Dibromofluoromethane	85%	83%	79%	70-130%
2037-26-5	Toluene-D8	88%	88%	90%	70-130%
460-00-4	4-Bromofluorobenzene	80%	82%	83%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC16950-1	N71392.D	96.0	103.0	120.0
MC16950-2	N71393.D	97.0	102.0	114.0
MC16950-3	N71394.D	96.0	103.0	117.0
MC16950-4	G123110.D	77.0	72.0	92.0
MC16950-20	G123095.D	80.0	83.0	93.0
MC16950-21	G123096.D	79.0	84.0	91.0
MC16857-4MS	N71401.D	98.0	103.0	100.0
MC16857-4MSD	N71402.D	100.0	104.0	102.0
MC16977-1MS	G123100.D	81.0	84.0	89.0
MC16977-1MSD	G123101.D	80.0	85.0	91.0
MSG4892-BS	G123090.D	79.0	85.0	93.0
MSG4892-BSD	G123091.D	79.0	84.0	91.0
MSG4892-MB	G123093.D	79.0	84.0	90.0
MSN2683-BS	N71380.D	101.0	104.0	101.0
MSN2683-MB	N71382.D	98.0	102.0	108.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Volatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC16950-5	K65842.D	105.0	108.0	112.0
MC16950-7	K65843.D	103.0	104.0	108.0
MC16950-8	M53053.D	83.0	87.0	89.0
MC16950-13	K65844.D	105.0	106.0	104.0
MC16950-14	M53054.D	84.0	86.0	89.0
MC16889-1MS	M53064.D	85.0	88.0	80.0
MC16889-1MSD	M53065.D	83.0	88.0	82.0
MC16927-3MS	K65845.D	99.0	105.0	106.0
MC16927-3MSD	K65846.D	94.0	104.0	107.0
MSK2164-BS	K65829.D	99.0	106.0	107.0
MSK2164-BSD	K65830.D	99.0	107.0	105.0
MSK2164-MB	K65832.D	106.0	106.0	103.0
MSM1801-BS	M53043.D	85.0	89.0	82.0
MSM1801-MB	M53045.D	82.0	88.0	80.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MB	W8112.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	250	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	490	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	490	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	490	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	980	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	490	ug/kg	
95-48-7	2-Methylphenol	ND	490	ug/kg	
	3&4-Methylphenol	ND	490	ug/kg	
88-75-5	2-Nitrophenol	ND	490	ug/kg	
100-02-7	4-Nitrophenol	ND	980	ug/kg	
87-86-5	Pentachlorophenol	ND	490	ug/kg	
108-95-2	Phenol	ND	250	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	490	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	490	ug/kg	
83-32-9	Acenaphthene	ND	98	ug/kg	
208-96-8	Acenaphthylene	ND	98	ug/kg	
120-12-7	Anthracene	ND	98	ug/kg	
56-55-3	Benzo(a)anthracene	ND	98	ug/kg	
50-32-8	Benzo(a)pyrene	ND	98	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	98	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	98	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	98	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	ug/kg	
106-47-8	4-Chloroaniline	ND	490	ug/kg	
86-74-8	Carbazole	ND	98	ug/kg	
218-01-9	Chrysene	ND	98	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	490	ug/kg	

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MB	W8112.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	98	ug/kg	
132-64-9	Dibenzofuran	ND	98	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	ug/kg	
84-66-2	Diethyl phthalate	ND	250	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	ug/kg	
206-44-0	Fluoranthene	ND	98	ug/kg	
86-73-7	Fluorene	ND	98	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	490	ug/kg	
67-72-1	Hexachloroethane	ND	250	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	98	ug/kg	
78-59-1	Isophorone	ND	250	ug/kg	
91-57-6	2-Methylnaphthalene	ND	98	ug/kg	
88-74-4	2-Nitroaniline	ND	490	ug/kg	
99-09-2	3-Nitroaniline	ND	490	ug/kg	
100-01-6	4-Nitroaniline	ND	490	ug/kg	
91-20-3	Naphthalene	ND	98	ug/kg	
98-95-3	Nitrobenzene	ND	250	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	ug/kg	
85-01-8	Phenanthrene	ND	98	ug/kg	
129-00-0	Pyrene	ND	98	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	30-130%
4165-62-2	Phenol-d5	45%	30-130%
118-79-6	2,4,6-Tribromophenol	57%	30-130%
4165-60-0	Nitrobenzene-d5	49%	30-130%

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MB	W8112.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	49%	30-130%
1718-51-0	Terphenyl-d14	95%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
791-28-6	Triphenylphosphine oxide	10.65	280	ug/kg	JN
	Total TIC, Semi-Volatile		280	ug/kg	J

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-BS	W8113.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	4940	5590	113	30-130
59-50-7	4-Chloro-3-methyl phenol	4940	5690	115	30-130
120-83-2	2,4-Dichlorophenol	4940	5800	118	30-130
105-67-9	2,4-Dimethylphenol	4940	5310	108	30-130
51-28-5	2,4-Dinitrophenol	4940	5040	102	30-130
534-52-1	4,6-Dinitro-o-cresol	4940	6550	133* [a]	30-130
95-48-7	2-Methylphenol	4940	5590	113	30-130
	3&4-Methylphenol	9870	11400	115	30-130
88-75-5	2-Nitrophenol	4940	5720	116	30-130
100-02-7	4-Nitrophenol	4940	5710	116	30-130
87-86-5	Pentachlorophenol	4940	6010	122	30-130
108-95-2	Phenol	4940	5690	115	30-130
95-95-4	2,4,5-Trichlorophenol	4940	6060	123	30-130
88-06-2	2,4,6-Trichlorophenol	4940	6060	123	30-130
83-32-9	Acenaphthene	2470	1900	77	40-140
208-96-8	Acenaphthylene	2470	1390	56	40-140
120-12-7	Anthracene	2470	1950	79	40-140
56-55-3	Benzo(a)anthracene	2470	2190	89	40-140
50-32-8	Benzo(a)pyrene	2470	1820	74	40-140
205-99-2	Benzo(b)fluoranthene	2470	2050	83	40-140
191-24-2	Benzo(g,h,i)perylene	2470	1990	81	40-140
207-08-9	Benzo(k)fluoranthene	2470	2140	87	40-140
101-55-3	4-Bromophenyl phenyl ether	2470	1870	76	40-140
85-68-7	Butyl benzyl phthalate	2470	2080	84	40-140
91-58-7	2-Chloronaphthalene	2470	1970	80	40-140
106-47-8	4-Chloroaniline	2470	1640	66	40-140
86-74-8	Carbazole	2470	2100	85	40-140
218-01-9	Chrysene	2470	1920	78	40-140
111-91-1	bis(2-Chloroethoxy)methane	2470	1650	67	40-140
111-44-4	bis(2-Chloroethyl)ether	2470	1850	75	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2470	2120	86	40-140
7005-72-3	4-Chlorophenyl phenyl ether	2470	1800	73	40-140
95-50-1	1,2-Dichlorobenzene	2470	1840	75	40-140
541-73-1	1,3-Dichlorobenzene	2470	1810	73	40-140
106-46-7	1,4-Dichlorobenzene	2470	1830	74	40-140
121-14-2	2,4-Dinitrotoluene	2470	2010	81	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-BS	W8113.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	2470	1900	77	40-140
91-94-1	3,3'-Dichlorobenzidine	2470	1770	72	40-140
53-70-3	Dibenzo(a,h)anthracene	2470	2070	84	40-140
132-64-9	Dibenzofuran	2470	1880	76	40-140
84-74-2	Di-n-butyl phthalate	2470	2030	82	40-140
117-84-0	Di-n-octyl phthalate	2470	2090	85	40-140
84-66-2	Diethyl phthalate	2470	1910	77	40-140
131-11-3	Dimethyl phthalate	2470	1850	75	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2470	2070	84	40-140
206-44-0	Fluoranthene	2470	2070	84	40-140
86-73-7	Fluorene	2470	1900	77	40-140
118-74-1	Hexachlorobenzene	2470	1900	77	40-140
87-68-3	Hexachlorobutadiene	2470	1860	75	40-140
77-47-4	Hexachlorocyclopentadiene	2470	1110	45	40-140
67-72-1	Hexachloroethane	2470	1940	79	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2470	2060	83	40-140
78-59-1	Isophorone	2470	1840	75	40-140
91-57-6	2-Methylnaphthalene	2470	1900	77	40-140
88-74-4	2-Nitroaniline	2470	1990	81	40-140
99-09-2	3-Nitroaniline	2470	1550	63	40-140
100-01-6	4-Nitroaniline	2470	1660	67	40-140
91-20-3	Naphthalene	2470	1870	76	40-140
98-95-3	Nitrobenzene	2470	1890	77	40-140
621-64-7	N-Nitroso-di-n-propylamine	2470	2050	83	40-140
86-30-6	N-Nitrosodiphenylamine	2470	1960	79	40-140
85-01-8	Phenanthrene	2470	2000	81	40-140
129-00-0	Pyrene	2470	1990	81	40-140
120-82-1	1,2,4-Trichlorobenzene	2470	1840	75	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	77%	30-130%
4165-62-2	Phenol-d5	73%	30-130%
118-79-6	2,4,6-Tribromophenol	81%	30-130%
4165-60-0	Nitrobenzene-d5	78%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-BS	W8113.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	77%	30-130%
1718-51-0	Terphenyl-d14	90%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MS	W8114.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
OP31467-MSD	W8115.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
MC16917-1	W8116.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16917-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		5340	5510	103	4280	80	25	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		5340	6130	115	5980	112	2	30-130/30
120-83-2	2,4-Dichlorophenol	ND		5340	5820	109	4900	92	17	30-130/30
105-67-9	2,4-Dimethylphenol	ND		5340	5570	104	4760	89	16	30-130/30
51-28-5	2,4-Dinitrophenol	ND		5340	5970	112	6120	115	2	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		5340	7350	138* [a]	7500	141* [a]	2	30-130/30
95-48-7	2-Methylphenol	ND		5340	5560	104	4430	83	23	30-130/30
	3&4-Methylphenol	ND		10700	11200	105	9450	89	17	30-130/30
88-75-5	2-Nitrophenol	ND		5340	5780	108	4680	88	21	30-130/30
100-02-7	4-Nitrophenol	ND		5340	6410	120	6650	125	4	30-130/30
87-86-5	Pentachlorophenol	ND		5340	6910	129	7200	135* [a]	4	30-130/30
108-95-2	Phenol	ND		5340	5550	104	4440	83	22	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		5340	6380	119	6300	118	1	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		5340	6240	117	5930	111	5	30-130/30
83-32-9	Acenaphthene	ND		2670	1930	72	1880	71	3	40-140/30
208-96-8	Acenaphthylene	ND		2670	1420	53	1360	51	4	40-140/30
120-12-7	Anthracene	ND		2670	2160	81	2220	83	3	40-140/30
56-55-3	Benzo(a)anthracene	ND		2670	2400	90	2490	94	4	40-140/30
50-32-8	Benzo(a)pyrene	ND		2670	2080	78	2170	82	4	40-140/30
205-99-2	Benzo(b)fluoranthene	ND		2670	2300	86	2430	91	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	ND		2670	2200	82	2270	85	3	40-140/30
207-08-9	Benzo(k)fluoranthene	ND		2670	2400	90	2500	94	4	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2670	1990	75	2030	76	2	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2670	2300	86	2370	89	3	40-140/30
91-58-7	2-Chloronaphthalene	ND		2670	1960	73	1750	66	11	40-140/30
106-47-8	4-Chloroaniline	ND		2670	1660	62	1490	56	11	40-140/30
86-74-8	Carbazole	ND		2670	2300	86	2390	90	4	40-140/30
218-01-9	Chrysene	ND		2670	2170	81	2210	83	2	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2670	1630	61	1320	50	21	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2670	1820	68	1450	54	23	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2670	2090	78	1650	62	24	40-140/30
7005-72-3	4-Chlorophenyl phenyl ether	ND		2670	1900	71	1920	72	1	40-140/30
95-50-1	1,2-Dichlorobenzene	ND		2670	1770	66	1440	54	21	40-140/30
541-73-1	1,3-Dichlorobenzene	ND		2670	1740	65	1430	54	20	40-140/30
106-46-7	1,4-Dichlorobenzene	ND		2670	1770	66	1430	54	21	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2670	2180	82	2250	85	3	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MS	W8114.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
OP31467-MSD	W8115.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
MC16917-1	W8116.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16917-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		2670	2060	77	2050	77	0	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2670	1970	74	2120	80	7	40-140/30
53-70-3	Dibenzo(a,h)anthracene	ND		2670	2260	85	2350	88	4	40-140/30
132-64-9	Dibenzofuran	ND		2670	1970	74	1970	74	0	40-140/30
84-74-2	Di-n-butyl phthalate	ND		2670	2270	85	2340	88	3	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2670	2450	92	2520	95	3	40-140/30
84-66-2	Diethyl phthalate	ND		2670	2080	78	2170	82	4	40-140/30
131-11-3	Dimethyl phthalate	ND		2670	1970	74	2010	76	2	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2670	2350	88	2370	89	1	40-140/30
206-44-0	Fluoranthene	ND		2670	2300	86	2410	91	5	40-140/30
86-73-7	Fluorene	ND		2670	2010	75	2040	77	1	40-140/30
118-74-1	Hexachlorobenzene	ND		2670	2020	76	2060	77	2	40-140/30
87-68-3	Hexachlorobutadiene	ND		2670	1770	66	1380	52	25	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2670	1090	41	925	35* [a]	16	40-140/30
67-72-1	Hexachloroethane	ND		2670	1860	70	1470	55	23	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2670	2260	85	2350	88	4	40-140/30
78-59-1	Isophorone	ND		2670	1860	70	1680	63	10	40-140/30
91-57-6	2-Methylnaphthalene	ND		2670	1890	71	1610	60	16	40-140/30
88-74-4	2-Nitroaniline	ND		2670	2130	80	2160	81	1	40-140/30
99-09-2	3-Nitroaniline	ND		2670	1670	63	1790	67	7	40-140/30
100-01-6	4-Nitroaniline	ND		2670	1790	67	1840	69	3	40-140/30
91-20-3	Naphthalene	ND		2670	1860	70	1510	57	21	40-140/30
98-95-3	Nitrobenzene	ND		2670	1860	70	1500	56	21	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2670	2040	76	1700	64	18	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2670	2120	79	2180	82	3	40-140/30
85-01-8	Phenanthrene	ND		2670	2210	83	2270	85	3	40-140/30
129-00-0	Pyrene	ND		2670	2210	83	2260	85	2	40-140/30
120-82-1	1,2,4-Trichlorobenzene	ND		2670	1800	67	1420	53	24	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC16917-1	Limits
367-12-4	2-Fluorophenol	68%	53%		30-130%
4165-62-2	Phenol-d5	66%	52%		30-130%
118-79-6	2,4,6-Tribromophenol	79%	83%		30-130%
4165-60-0	Nitrobenzene-d5	70%	57%	50%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31467-MS	W8114.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
OP31467-MSD	W8115.D	1	12/19/12	KR	12/17/12	OP31467	MSW382
MC16917-1	W8116.D	1	12/19/12	KR	12/17/12	OP31467	MSW382

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Surrogate Recoveries	MS	MSD	MC16917-1	Limits
321-60-8	2-Fluorobiphenyl	70%	62%	56%	30-130%
1718-51-0	Terphenyl-d14	90%	92%	90%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC16950-5	W8220.D	36.0	37.0	33.0	38.0	38.0	43.0
MC16950-8	W8221.D	40.0	43.0	46.0	43.0	49.0	57.0
MC16950-13	W8222.D	55.0	56.0	55.0	56.0	61.0	70.0
MC16950-14	W8223.D	48.0	48.0	42.0	49.0	48.0	52.0
OP31467-BS	W8113.D	77.0	73.0	81.0	78.0	77.0	90.0
OP31467-MB	W8112.D	46.0	45.0	57.0	49.0	49.0	95.0
OP31467-MS	W8114.D	68.0	66.0	79.0	70.0	70.0	90.0
OP31467-MSD	W8115.D	53.0	52.0	83.0	57.0	62.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

New England ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GPO3898-MB	PO68099.D	1	12/18/12	AP	n/a	n/a	GPO3898

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
107-21-1	Ethylene Glycol	ND	10000	ug/kg	

CAS No.	Surrogate Recoveries		Limits
78-92-2	sec-Butyl Alcohol	119%	30-150%

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GPO3899-MB	PO68109.D	1	12/20/12	AP	n/a	n/a	GPO3899

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
57-55-6	Propylene Glycol	ND	10000	ug/kg	

CAS No.	Surrogate Recoveries		Limits
75-65-0	Tertiary Butyl Alcohol	99%	30-150%

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GPO3898-BSP	PO68100.D	1	12/18/12	AP	n/a	n/a	GPO3898

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
107-21-1	Ethylene Glycol	25000	22600	92	50-150

CAS No.	Surrogate Recoveries	BSP	Limits
78-92-2	sec-Butyl Alcohol	113%	30-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GPO3899-BSP	PO68110.D	1	12/20/12	AP	n/a	n/a	GPO3899

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
57-55-6	Propylene Glycol	50000	44000	88	30-150

CAS No.	Surrogate Recoveries	BSP	Limits
75-65-0	Tertiary Butyl Alcohol	61%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16950-14MS	PO68105.D	1	12/18/12	AP	n/a	n/a	GPO3898
MC16950-14MSD	PO68106.D	1	12/18/12	AP	n/a	n/a	GPO3898
MC16950-14	PO68104.D	1	12/18/12	AP	n/a	n/a	GPO3898

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16950-14 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
107-21-1	Ethylene Glycol	ND		27300	28700	104	37700	140	27	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC16950-14	Limits
78-92-2	sec-Butyl Alcohol	131%	119%	121%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC16950-13MS	PO68115.D	1	12/20/12	AP	n/a	n/a	GPO3899
MC16950-13MSD	PO68116.D	1	12/20/12	AP	n/a	n/a	GPO3899
MC16950-13	PO68114.D	1	12/20/12	AP	n/a	n/a	GPO3899

The QC reported here applies to the following samples: **Method:** DAI

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16950-13 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
57-55-6	Propylene Glycol	ND		55500	64200	116	87700	158* [a]	31* [a]	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC16950-13	Limits
75-65-0	Tertiary Butyl Alcohol	81%	82%	97%	30-150%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: DAI **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
MC16950-5	PO68111.D		91.0
MC16950-5	PO68101.D	112.0	
MC16950-8	PO68112.D		119.0
MC16950-8	PO68102.D	116.0	
MC16950-13	PO68114.D		97.0
MC16950-13	PO68103.D	131.0	
MC16950-14	PO68113.D		88.0
MC16950-14	PO68104.D	121.0	
GPO3898-BSP	PO68100.D	113.0	
GPO3898-MB	PO68099.D	119.0	
GPO3899-BSP	PO68110.D		61.0
GPO3899-MB	PO68109.D		99.0
MC16950-13MS	PO68115.D		81.0
MC16950-13MSD	PO68116.D		82.0
MC16950-14MS	PO68105.D	131.0	
MC16950-14MSD	PO68106.D	119.0	

Surrogate Compounds	Recovery Limits
S1 = sec-Butyl Alcohol	30-150%
S2 = Tertiary Butyl Alcohol	30-150%

(a) Recovery from GC signal #1

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31469-MB	BE33575.D	1	12/20/12	AP	12/19/12	OP31469	GBE1814

The QC reported here applies to the following samples: **Method:** SW846 8081

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	6.4	ug/kg	
319-84-6	alpha-BHC	ND	6.4	ug/kg	
319-85-7	beta-BHC	ND	6.4	ug/kg	
319-86-8	delta-BHC	ND	6.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	6.4	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.4	ug/kg	
60-57-1	Dieldrin	ND	6.4	ug/kg	
72-54-8	4,4'-DDD	ND	6.4	ug/kg	
72-55-9	4,4'-DDE	ND	6.4	ug/kg	
50-29-3	4,4'-DDT	ND	6.4	ug/kg	
72-20-8	Endrin	ND	6.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.4	ug/kg	
959-98-8	Endosulfan-I	ND	6.4	ug/kg	
33213-65-9	Endosulfan-II	ND	6.4	ug/kg	
76-44-8	Heptachlor	ND	6.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	6.4	ug/kg	
72-43-5	Methoxychlor	ND	6.4	ug/kg	
53494-70-5	Endrin ketone	ND	6.4	ug/kg	
8001-35-2	Toxaphene	ND	64	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	32%	30-150%
877-09-8	Tetrachloro-m-xylene	31%	30-150%
2051-24-3	Decachlorobiphenyl	45%	30-150%
2051-24-3	Decachlorobiphenyl	40%	30-150%

Method Blank Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31461-MB	YZ77519.D	1	12/18/12	CZ	12/17/12	OP31461	GYZ6995

The QC reported here applies to the following samples: **Method:** SW846 8082

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	98	ug/kg	
11104-28-2	Aroclor 1221	ND	98	ug/kg	
11141-16-5	Aroclor 1232	ND	98	ug/kg	
53469-21-9	Aroclor 1242	ND	98	ug/kg	
12672-29-6	Aroclor 1248	ND	98	ug/kg	
11097-69-1	Aroclor 1254	ND	98	ug/kg	
11096-82-5	Aroclor 1260	ND	98	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	30-150%
877-09-8	Tetrachloro-m-xylene	95%	30-150%
2051-24-3	Decachlorobiphenyl	101%	30-150%
2051-24-3	Decachlorobiphenyl	102%	30-150%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31469-BS	BE33587.D	1	12/21/12	AP	12/19/12	OP31469	GBE1815
OP31469-BSD	BE33588.D	1	12/21/12	AP	12/19/12	OP31469	GBE1815

The QC reported here applies to the following samples: **Method:** SW846 8081

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	13	6.8	52	7.5	58	10	40-140/30
319-84-6	alpha-BHC	13	5.2	40	5.2	40	0	40-140/30
319-85-7	beta-BHC	13	7.3	56	7.9	61	8	40-140/30
319-86-8	delta-BHC	13	6.0	46	6.6	51	10	40-140/30
58-89-9	gamma-BHC (Lindane)	13	6.0	46	6.7	51	11	40-140/30
5103-71-9	alpha-Chlordane	13	6.8	52	7.7	59	12	40-140/30
5103-74-2	gamma-Chlordane	13	7.1	55	8.0	61	12	40-140/30
60-57-1	Dieldrin	13	7.4	57	8.3	64	11	40-140/30
72-54-8	4,4'-DDD	13	7.7	59	8.2	63	6	40-140/30
72-55-9	4,4'-DDE	13	7.0	54	8.0	61	13	40-140/30
50-29-3	4,4'-DDT	13	7.5	58	8.0	61	6	40-140/30
72-20-8	Endrin	13	8.1	63	9.7	75	18	40-140/30
1031-07-8	Endosulfan sulfate	13	8.0	62	8.9	68	11	40-140/30
7421-93-4	Endrin aldehyde	13	7.1	55	7.9	61	11	40-140/30
959-98-8	Endosulfan-I	13	7.9	61	8.4	65	6	40-140/30
33213-65-9	Endosulfan-II	13	7.0	54	7.8	60	11	40-140/30
76-44-8	Heptachlor	13	6.3	49	6.7	51	6	40-140/30
1024-57-3	Heptachlor epoxide	13	7.5	58	8.4	65	11	40-140/30
72-43-5	Methoxychlor	13	9.1	70	10.1	78	10	40-140/30
53494-70-5	Endrin ketone	13	8.0	62	8.7	67	8	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	39%	39%	30-150%
877-09-8	Tetrachloro-m-xylene	36%	37%	30-150%
2051-24-3	Decachlorobiphenyl	57%	58%	30-150%
2051-24-3	Decachlorobiphenyl	55%	58%	30-150%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31461-BS	YZ77520.D	1	12/18/12	CZ	12/17/12	OP31461	GYZ6995
OP31461-BSD	YZ77526.D	1	12/19/12	CZ	12/17/12	OP31461	GYZ6996

The QC reported here applies to the following samples: **Method:** SW846 8082

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	262	237	91	217	85	9	40-140/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	262	254	97	284	111	11	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	92%	75%	30-150%
877-09-8	Tetrachloro-m-xylene	93%	77%	30-150%
2051-24-3	Decachlorobiphenyl	100%	135%	30-150%
2051-24-3	Decachlorobiphenyl	99%	129%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31469-MS	BE33577.D	1	12/20/12	AP	12/19/12	OP31469	GBE1814
OP31469-MSD	BE33578.D	1	12/20/12	AP	12/19/12	OP31469	GBE1814
MC16950-5	BE33579.D	1	12/20/12	AP	12/18/12	OP31469	GBE1814

The QC reported here applies to the following samples: **Method:** SW846 8081

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16950-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		15.3	4.6	30	4.2	27* [a]	9	30-150/30
319-84-6	alpha-BHC	ND		15.3	4.0	26* [a]	4.9	32	20	30-150/30
319-85-7	beta-BHC	ND		15.3	3.9	26* [a]	4.0	26* [a]	3	30-150/30
319-86-8	delta-BHC	ND		15.3	4.1	27* [a]	5.7	37	33* [a]	30-150/30
58-89-9	gamma-BHC (Lindane)	ND		15.3	4.9	32	6.8	44	32* [a]	30-150/30
5103-71-9	alpha-Chlordane	ND		15.3	5.2	34	4.7	31	10	30-150/30
5103-74-2	gamma-Chlordane	ND		15.3	7.0	46	6.8	44	3	30-150/30
60-57-1	Dieldrin	7.2		15.3	9.3	14* [a]	9.3	14* [a]	0	30-150/30
72-54-8	4,4'-DDD	5.1		15.3	11.2	40	10.8	37	4	30-150/30
72-55-9	4,4'-DDE	ND		15.3	7.9	52	6.6	43	18	30-150/30
50-29-3	4,4'-DDT	ND		15.3	10.6	69	13.0	85	20	30-150/30
72-20-8	Endrin	ND		15.3	5.6	37	5.3	35	6	30-150/30
1031-07-8	Endosulfan sulfate	ND		15.3	4.2	27* [a]	4.8	31	13	30-150/30
7421-93-4	Endrin aldehyde	ND		15.3	8.7	57	8.7	57	0	30-150/30
959-98-8	Endosulfan-I	ND		15.3	5.7	37	5.1	33	11	30-150/30
33213-65-9	Endosulfan-II	ND		15.3	4.1	27* [a]	4.5	29* [a]	9	30-150/30
76-44-8	Heptachlor	ND		15.3	6.9	45	5.8	38	17	30-150/30
1024-57-3	Heptachlor epoxide	ND		15.3	4.7	31	5.3	35	12	30-150/30
72-43-5	Methoxychlor	ND		15.3	6.7	44	4.0	26* [a]	50* [a]	30-150/30
53494-70-5	Endrin ketone	ND		15.3	8.3	54	11.7	77	34* [a]	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC16950-5	Limits
877-09-8	Tetrachloro-m-xylene	29%* [b]	27%* [b]	31%	30-150%
877-09-8	Tetrachloro-m-xylene	25%* [b]	29%* [b]	32%	30-150%
2051-24-3	Decachlorobiphenyl	41%	51%	33%	30-150%
2051-24-3	Decachlorobiphenyl	33%	33%	35%	30-150%

(a) Outside control limits due to possible matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31461-MS	YZ77521.D	1	12/18/12	CZ	12/17/12	OP31461	GYZ6995
OP31461-MSD	YZ77522.D	1	12/18/12	CZ	12/17/12	OP31461	GYZ6995
MC16893-1	YZ77523.D	1	12/18/12	CZ	12/17/12	OP31461	GYZ6995

The QC reported here applies to the following samples: **Method:** SW846 8082

MC16950-5, MC16950-8, MC16950-13, MC16950-14

CAS No.	Compound	MC16893-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		320	227	71	237	74	4	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	29.2		320	278	78	261	73	6	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC16893-1	Limits
877-09-8	Tetrachloro-m-xylene	83%	90%	86%	30-150%
877-09-8	Tetrachloro-m-xylene	85%	88%	84%	30-150%
2051-24-3	Decachlorobiphenyl	96%	102%	99%	30-150%
2051-24-3	Decachlorobiphenyl	91%	96%	95%	30-150%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: SW846 8081 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC16950-5	BE33579.D	31.0	32.0	33.0	35.0
MC16950-8	BE33593.D	20.0* [c]	23.0* [c]	45.0	36.0
MC16950-8	BE33580.D	20.0* [c]	21.0* [c]	39.0	30.0
MC16950-13	BE33594.D	24.0* [c]	23.0* [c]	51.0	48.0
MC16950-13	BE33581.D	26.0* [c]	21.0* [c]	48.0	45.0
MC16950-14	BE33595.D	24.0* [c]	27.0* [c]	53.0	51.0
MC16950-14	BE33582.D	27.0* [c]	22.0* [c]	51.0	43.0
OP31469-BS	BE33587.D	39.0	36.0	57.0	55.0
OP31469-BSD	BE33588.D	39.0	37.0	58.0	58.0
OP31469-MB	BE33575.D	32.0	31.0	45.0	40.0
OP31469-MS	BE33577.D	29.0* [d]	25.0* [d]	41.0	33.0
OP31469-MSD	BE33578.D	27.0* [d]	29.0* [d]	51.0	33.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits due to matrix interference. Confirmed by reanalysis.

Semivolatile Surrogate Recovery Summary

Job Number: MC16950
Account: KASNYP KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC16950-5	YZ77535.D	92.0	92.0	128.0	121.0
MC16950-5	YZ77530.D	80.0	83.0	112.0	110.0
MC16950-8	YZ77531.D	65.0	99.0	98.0	92.0
MC16950-13	YZ77532.D	76.0	84.0	135.0	122.0
MC16950-14	YZ77533.D	56.0	65.0	109.0	101.0
OP31461-BS	YZ77520.D	92.0	93.0	100.0	99.0
OP31461-BSD	YZ77526.D	75.0	77.0	135.0	129.0
OP31461-MB	YZ77519.D	94.0	95.0	101.0	102.0
OP31461-MS	YZ77521.D	83.0	85.0	96.0	91.0
OP31461-MSD	YZ77522.D	90.0	88.0	102.0	96.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20248 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/18/12

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0035	.012	-0.0013	<0.033

Associated samples MP20248: MC16950-6, MC16950-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20248
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/18/12

Metal	MC16893-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.012	0.54	0.556	95.0	80-120

Associated samples MP20248: MC16950-6, MC16950-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20248 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/18/12

Metal	MC16893-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.012	0.58	0.565	100.6	7.1	20

Associated samples MP20248: MC16950-6, MC16950-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20248
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:			12/18/12				12/18/12		
Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.47	0.5	94.0	80-120	0.46	0.5	92.0	2.2	30

Associated samples MP20248: MC16950-6, MC16950-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20248
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/18/12

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	3.8	4.05	93.8	72-128

Associated samples MP20248: MC16950-6, MC16950-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20255 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/19/12

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0035	.012	0.0075	<0.033

Associated samples MP20255: MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20255
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/12

Metal	MC16431-3R Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.068	0.56	0.488	100.8	80-120

Associated samples MP20255: MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20255 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/19/12

Metal	MC16431-3R Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.068	0.57	0.503	99.7	1.8	20

Associated samples MP20255: MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20255
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/12 12/19/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.49	0.5	98.0	80-120	0.50	0.5	100.0	2.0	30

Associated samples MP20255: MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20255
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/12

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	3.9	4.05	96.3	72-128

Associated samples MP20255: MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/20/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	3.1	3.1	1.4	<20
Antimony	1.0	.18	.18	0.23	<1.0
Arsenic	1.0	.083	.13	0.090	<1.0
Barium	5.0	.078	.078	0.11	<5.0
Beryllium	0.40	.019	.04	0.020	<0.40
Boron	10	.11	.11		
Cadmium	0.40	.021	.022	0.0	<0.40
Calcium	500	5	5	11.4	<500
Chromium	1.0	.039	.066	0.0	<1.0
Cobalt	5.0	.016	.032	0.010	<5.0
Copper	2.5	.092	.092	0.030	<2.5
Gold	5.0	.25	.25		
Iron	10	.51	1.9	1.3	<10
Lead	1.0	.23	.23	-0.050	<1.0
Magnesium	500	4.3	4.3	2.1	<500
Manganese	1.5	.019	.26	0.040	<1.5
Molybdenum	10	.058	.062		
Nickel	4.0	.07	.07	0.040	<4.0
Palladium	5.0	.29	.34		
Platinum	5.0	.79	.87		
Potassium	500	8.8	8.8	7.6	<500
Selenium	1.0	.24	.24	0.050	<1.0
Silicon	10	.15	.56		
Silver	0.50	.15	.15	0.030	<0.50
Sodium	500	6.4	6.4	-2.9	<500
Strontium	1.0	.033	.04		
Thallium	1.0	.11	.18	0.080	<1.0
Tin	10	.054	.12		
Titanium	5.0	.059	.08		
Tungsten	10	.69	.8		
Vanadium	1.0	.075	.12	0.030	<1.0
Zinc	2.0	.29	.29	0.29	<2.0

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/20/12

Metal	MC16950-22 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum	695	788	168	55.5 (a)	75-125
Antimony	0.0	37.9	41.9	90.4	75-125
Arsenic	0.085	40.7	41.9	96.9	75-125
Barium	1.1	159	168	94.2	75-125
Beryllium	0.017	40.6	41.9	96.8	75-125
Boron					
Cadmium	0.026	40.3	41.9	96.1	75-125
Calcium	61.3	2040	2100	94.4	75-125
Chromium	3.8	48.7	41.9	107.1	75-125
Cobalt	0.094	39.1	41.9	93.1	75-125
Copper	11.2	45.8	41.9	82.6	75-125
Gold					
Iron	359	508	168	88.9	75-125
Lead	1.4	80.0	83.8	93.8	75-125
Magnesium	33.1	2100	2100	98.6	75-125
Manganese	4.8	44.4	41.9	94.5	75-125
Molybdenum					
Nickel	1.8	42.9	41.9	98.1	75-125
Palladium					
Platinum					
Potassium	17.4	2020	2100	95.6	75-125
Selenium	0.0	39.2	41.9	93.5	75-125
Silicon					
Silver	0.0	16.8	16.8	100.2	75-125
Sodium	0.0	2020	2100	96.4	75-125
Strontium					
Thallium	0.0	39.6	41.9	94.5	75-125
Tin					
Titanium					
Tungsten					
Vanadium	0.43	40.8	41.9	96.3	75-125
Zinc	11.5	53.0	41.9	99.0	75-125

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/20/12

Metal	MC16950-22 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	695	1310	169	363.9(a)	49.8 (b)	20
Antimony	0.0	38.5	42.3	91.1	1.6	20
Arsenic	0.085	41.2	42.3	97.3	1.2	20
Barium	1.1	161	169	94.6	1.3	20
Beryllium	0.017	41.1	42.3	97.2	1.2	20
Boron						
Cadmium	0.026	40.9	42.3	96.7	1.5	20
Calcium	61.3	2050	2110	94.1	0.5	20
Chromium	3.8	45.6	42.3	98.9	6.6	20
Cobalt	0.094	39.7	42.3	93.7	1.5	20
Copper	11.2	82.2	42.3	168.0(c)	56.9 (b)	20
Gold						
Iron	359	506	169	87.0	0.4	20
Lead	1.4	84.1	84.5	97.9	5.0	20
Magnesium	33.1	2110	2110	98.3	0.5	20
Manganese	4.8	45.6	42.3	96.6	2.7	20
Molybdenum						
Nickel	1.8	42.1	42.3	95.4	1.9	20
Palladium						
Platinum						
Potassium	17.4	2040	2110	95.7	1.0	20
Selenium	0.0	39.8	42.3	94.2	1.5	20
Silicon						
Silver	0.0	17.1	16.9	101.2	1.8	20
Sodium	0.0	2040	2110	96.6	1.0	20
Strontium						
Thallium	0.0	40.2	42.3	95.1	1.5	20
Tin						
Titanium						
Tungsten						
Vanadium	0.43	41.6	42.3	97.4	1.9	20
Zinc	11.5	55.0	42.3	103.0	3.7	20

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.
(c) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			12/20/12					12/20/12	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum	199	200	99.5	80-120	194	200	97.0	2.5	20
Antimony	48.0	50	96.0	80-120	48.0	50	96.0	0.0	20
Arsenic	48.8	50	97.6	80-120	48.1	50	96.2	1.4	20
Barium	186	200	93.0	80-120	186	200	93.0	0.0	20
Beryllium	48.3	50	96.6	80-120	48.5	50	97.0	0.4	20
Boron									
Cadmium	48.0	50	96.0	80-120	47.9	50	95.8	0.2	20
Calcium	2220	2500	88.8	80-120	2360	2500	94.4	6.1	20
Chromium	50.6	50	101.2	80-120	49.9	50	99.8	1.4	20
Cobalt	46.5	50	93.0	80-120	46.6	50	93.2	0.2	20
Copper	46.9	50	93.8	80-120	46.6	50	93.2	0.6	20
Gold									
Iron	197	200	98.5	80-120	194	200	97.0	1.5	20
Lead	94.6	100	94.6	80-120	93.5	100	93.5	1.2	20
Magnesium	2340	2500	93.6	80-120	2430	2500	97.2	3.8	20
Manganese	48.0	50	96.0	80-120	47.7	50	95.4	0.6	20
Molybdenum									
Nickel	47.9	50	95.8	80-120	47.6	50	95.2	0.6	20
Palladium									
Platinum									
Potassium	2250	2500	90.0	80-120	2400	2500	96.0	6.5	20
Selenium	46.6	50	93.2	80-120	46.6	50	93.2	0.0	20
Silicon									
Silver	20.2	20	101.0	80-120	20.1	20	100.5	0.5	20
Sodium	2270	2500	90.8	80-120	2400	2500	96.0	5.6	20
Strontium									
Thallium	47.7	50	95.4	80-120	47.3	50	94.6	0.8	20
Tin									
Titanium									
Tungsten									
Vanadium	48.9	50	97.8	80-120	48.7	50	97.4	0.4	20
Zinc	48.6	50	97.2	80-120	48.5	50	97.0	0.2	20

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/20/12

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum	8930	8360	106.8	40-159
Antimony	90.1	92.9	97.0	8-192
Arsenic	87.6	94.5	92.7	82-117
Barium	154	166	92.8	83-116
Beryllium	49.5	52.6	94.1	84-116
Boron				
Cadmium	55.5	59.9	92.7	84-116
Calcium	5790	6160	94.0	82-118
Chromium	66.6	69.3	96.1	81-119
Cobalt	89.6	101	88.7	84-116
Copper	71.6	78	91.8	84-116
Gold				
Iron	12500	12800	97.7	51-149
Lead	82.5	91.7	90.0	82-118
Magnesium	3030	3030	100.0	76-124
Manganese	269	283	95.1	82-118
Molybdenum				
Nickel	52.7	56.6	93.1	82-118
Palladium				
Platinum				
Potassium	3760	3820	98.4	74-126
Selenium	148	159	93.1	79-121
Silicon				
Silver	32.8	33.9	96.8	66-134
Sodium	611	652	93.7	74-126
Strontium				
Thallium	109	119	91.6	81-119
Tin				
Titanium				
Tungsten				
Vanadium	54.4	56.3	96.6	73-127
Zinc	124	137	90.5	81-119

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/20/12

Metal	MC16950-22 Original	SDL 1:5	%DIF	QC Limits
Aluminum	8160	8070	1.2	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	1.00	0.00	100.0(a)	0-10
Barium	13.4	11.8	11.9 (a)	0-10
Beryllium	0.200	0.00	100.0(a)	0-10
Boron				
Cadmium	0.300	0.00	100.0(a)	0-10
Calcium	720	1340	85.8 (a)	0-10
Chromium	44.4	43.0	3.2	0-10
Cobalt	1.10	1.50	36.4 (a)	0-10
Copper	131	130	0.9	0-10
Gold				
Iron	4220	4220	0.0	0-10
Lead	16.1	16.6	3.1	0-10
Magnesium	388	506	30.4 (a)	0-10
Manganese	56.5	55.6	1.6	0-10
Molybdenum				
Nickel	21.7	22.3	2.8	0-10
Palladium				
Platinum				
Potassium	204	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	5.10	4.70	7.8	0-10
Zinc	134	134	0.1	0-10

Associated samples MP20261: MC16950-6, MC16950-9, MC16950-10, MC16950-11, MC16950-12, MC16950-15, MC16950-16, MC16950-17, MC16950-18, MC16950-19, MC16950-22

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC16950
Account: KASNYP - KAS, Inc.
Project: Scrap Yard, Grove Street, Keeseville, NY

QC Batch ID: MP20261
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).