Former Weld Shop
1823 Route 9 South
Chesterfield, New York 12944

REMEDIAL INVESTIGATION WORK PLAN

June 13, 2018
Revised: July 25, 2018

Prepared for:

Estate of George Moore
PO Box 385
187 Pleasant Street, Suite 2
Keeseville, New York 12944

kas
environmental science & engineering
13 Latour Avenue, Suite 204
PO Box 2787
Plattsburgh, NY 12901
www.kas-consulting.com
518 563.9445 p
518 563.5189 f

TABLE OF CONTENTS

1.0 INTRODUCTION AND BACKGROUND

This Remedial Investigation Work Plan (RIWP) is for what is known as the former George Moore Trucking & Equipment weld shop (former weld shop) located at 1823 Route 9 South, Chesterfield, New York. An Interim Order of Consent between New York State Department of Environmental Conservation (NYSDEC) and the Estate of George Moore has been executed and received May 23, 2018, which requires a Remedial Investigation Work Plan be prepared within 30 days. The property was formerly owned by George Moore Trucking & Equipment and is now owned by NC Properties, Inc. The "site" is defined as the area that has been used for vehicle and equipment storage. The Estate of George Moore has hired KAS, Inc. (KAS) to prepare the necessary work plan for the site. A Site Plan has been included in Appendix A. The following previous investigations and remedial work has been conducted for the site:

- Initial Subsurface Investigation Report – Weld Shop Facility prepared by ESPC and dated January 31, 2005;
- Additional Site Investigation and Soil Remediation Work Plan prepared by ESPC and dated May 8, 2006;
- Work Plan for Remedial Investigation and Remedial Action prepared by ESPC and dated November 24, 2006 (not implemented); and,
- Soil Sampling and Groundwater Monitoring Summary – Scrap Yard and Sampling of Core Sand – Former Weld Shop prepared KAS and dated February 1, 2013.

The work performed by ESPC did not identify any significant contamination and the de-minimis impacts identified were addressed. The only outstanding issue from prior site investigation and abatement measures was the composition of the core sand on-site and results of the 2013 sampling indicated that the core sand is non-hazardous. Copies of the reports are included in Appendix B.

In May of 2016, NYSDEC performed an inspection of the site. The purpose of the NYSDEC inspection in May 2016 was to identify and resolve any remaining environmental issues for the former Weld Shop. As part of the inspection a reportable spill was identified and called into the NYSDEC Spill hotline. The spill was identified as NYSDEC Spill Number 1601199 and consisted of approximately 5 gallons of motor oil that had leaked onto the ground from mechanical equipment. Other minor quantities of staining were observed under old equipment and stored items and NYSDE requested a Remedial Action Work Plan to properly address these items. A Remedial Action Work Plan was submitted on September 12, 2016 and Mr. Brian Hyuck with NYSDEC provided comment, which was subsequently addressed. A copy of the Remedial Action Work Plan has been included in Appendix C.

To comply with the Interim Consent Order, KAS has prepared this approvable Remedial Investigation/Remedial Action Work Plan as required by Exhibit C – Item 1. The investigation portion of the Work Plan will confirm that the nature and extent of any contamination has been investigated. The remedial action portion of the Work Plan will be consistent with the previously submitted Remedial Action Work Plan. The reason for submitting the combined Remedial Investigation and Remedial Action Work Plan is to expedite the process for the Estate of George Moore and to facilitate the Department's review so that any remaining issues can be timely implemented.

2.0 REMEDIAL INVESTIGATION

This remedial investigation will investigate perimeter areas of the equipment/vehicle storage areas (site) that were not previously investigated and groundwater. Access to the site will be provided in accordance with Exhibit D of the Interim Consent Order. The investigation and sampling activities will adhere to KAS' established protocols for these activities including soil and groundwater sampling. Copies of these protocols will be on-site during field activities and are available for review upon request.

2.1 Health and Safety Planning

A site-specific HASP will be prepared and implemented to govern the safety aspects of the remedial investigation in accordance with OSHA requirements. KAS will appoint one of its 40-hour OSHA 1910.120 trained personnel as the Site Safety Officer. The KAS Site Safety Officer or his/her consignee will have final authority in all safety-related decisions. No work will take place at the site without a Site Safety Officer present. A copy of the HASP will be kept at the site and will be available to other parties at any time requested. Investigation work will not begin until the HASP has been prepared. Additionally, KAS will contact Dig Safe of New York to perform underground utility locates a minimum of 72 hours prior to commencement of investigation activities.

2.2 Soil Investigation

The site has largely been investigated by previously conducted work; however, to confirm a current comprehensive site-wide understanding and to develop a more comprehensive site conceptual model, KAS will install ten (10) soil borings to the soil/groundwater interface. A proposed boring location map has been included in Appendix A. A geoprobe rig will be used to install the soil borings to an estimated depth of 20 feet below ground surface (bgs) or approximately 2-5 feet into saturated soils, whichever is encountered first. Soils will be visually observed, screened for volatile organic compounds (VOCs) using a properly calibrated photoionization detector (PID) continuously during drilling and soil types logged. The contaminants of concern would be VOCs, semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs) given the storage of various vehicles and equipment

and the potential for these constituents to be mobile. One soil sample will be collected per boring for laboratory analysis. The soil sample for laboratory analysis will be collected from the highest PID reading, area of observed possible impacts or the bottom of the boring at the discretion of KAS' field personnel and the NYSDEC. All samples will be placed in a cooler with ice along with a properly completed chain of custody for storage and transportation to the laboratory. Soil samples will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270 and PCBs by EPA Method 8082. VOC and SVOC analyses will also include Tentatively Identified Compounds (TICs).

Additionally, equipment and stored items on the site will be moved to allow for visual inspection of the grounds. Areas of staining will be documented and addressed in the Remedial Action.

2.3 Groundwater Investigation

To investigate groundwater, the four (4) soil borings located along Route 9 and in close proximity of the former Weld Shop and three (3) of the other soil borings along the eastern extent of the property will be completed as monitoring wells. The monitoring wells will consist of slotted 2" PVC pipe spanning the water table with a solid PVC pipe extending to grade. A silica sand pack will be installed around the wells to within approximately five (5) feet of surface and a bentonite seal will be installed to grade. The monitoring wells along Route 9 and the former Weld Shop will be finished as flush mounted wells with roadboxes. The monitoring wells along the eastern extent of the site will have stickup wellheads to assist in locating and preventing damage. The wells along Route 9 and in close proximity to the former Weld Shop will be field surveyed and depth to groundwater measured on the day of installation. The data will be used to assist in determining which three (3) soil borings along the eastern extent of the property will be completed as monitoring wells. Once all seven (7) monitoring wells have been installed, the wells will be developed by purging of five (5) well volumes or until dry, whichever occurs first. KAS will return to the site, to sample the wells on a separate day. The installed wells will be surveyed to a reference elevation for use in determining groundwater flow direction.

Upon returning, KAS will collect depth to groundwater measurements from the monitoring wells on the site. Three (3) well volumes will be purged from the monitoring wells prior to collection of groundwater samples. Disposal bailers will be used for purging and sampling. Groundwater samples will be collected in laboratory-provided containers. Samples will be collected and analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270. The VOCs and SVOCs will include TICs.

2.4 Quality Assurance/Quality Control

Field equipment will be calibrated in accordance with manufacturer specifications and KAS' protocol prior to use. KAS will prepare and include a trip blank for each day that sampling is conducted on the site. A minimum of one duplicate sample will be collected for every twenty (20) samples collected for a given matrix. All laboratory analysis will be performed by New York State ELAP-approved laboratories. Duplicate samples results will be compared to parent sample results to evaluate the data. Copies of the laboratory data will be provided in the final report. No other data validation or electronic submittal will be provided.

2.5 Site Reporting

KAS will prepare a summary report following completion of the investigation and receipt of laboratory results. The following will be included with the report, but will not be limited to:

- Summary of field work performed;
- Boring Logs;
- Summary of laboratory results with comparison to regulatory limits;
- Site Plan including locations of soil borings, monitoring wells and observed staining;
- Groundwater and Chemical Distribution Maps, if applicable; and,
- Conclusions and recommendations.

Based upon results of the remedial investigation and upon approval from NYSDEC, a Remedial Action Work Plan will be generated.

3.0 SCHEDULE

The work will be scheduled and performed in accordance with the Interim Consent Order.

APPENDIX A

Maps

Site Plan
Proposed Boring Location Map

NOTES:
1. BASE MAP DEVELOPED: ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

GRAPHIC SCALE
240' 0 120' 240' 480'
1 INCH = 240FEET

KAS #:407125024

589 Avenue D, Suite 10
PO Box 787
Williston, VT 05495
www.kas-consulting.com
802 383.0486 p
802 383.0490 f
kas environmental science & engineering

FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

SITE MAP

DATE: 5/29/18	DWG. #: 1	SCALE: 1"=240'	DRN.: TB	APP.: AR

NOTES:
1. BASE MAP DEVELOPED: ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.
3. PSB-1 = PROPOSED SOIL BORING
4. SEVEN OF THE TEN SOIL BORING WILL BE CONVERTED TO MONITORING WELLS: INCLUDING THE FOUR BORING LOCATED CLOSEST TO ROUTE 9 AND THREE OF THE SIX BORING ALONG THE EASTERN SIDE OF THE AREA OF CONCERN.

GRAPHIC SCALE

240' 0 120' 240' 480'

1 INCH = 240FEET

KAS #:407125024

589 Avenue D, Suite 10
PO Box 787
Williston, VT 05495
www.kas-consulting.com
802 383.0486 p
802 383.0490 f

kas environmental science & engineering

FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

PROPOSED SOIL BORING LOCATION MAP

DATE: 7/23/18	DWG. #: 2	SCALE: 1"=240'	DRN.: TB	APP.: AR

APPENDIX B

Previous Investigation and Remedial Action Reports

Initial Subsurface Investigation Report Weld Shop Facility

January 31, 2005

Site Location:

Northern Car Crushers
Weld Shop Facility
Route 9
Keeseville, New York

Prepared For:

Northern Car Crushers
P.O. Box 385
Keeseville, NY 12944

Prepared By:

ESPC
Erik Sandblom, PC

1785 Military Turnpike, Suite 13 • Plattsburgh, New York 12901 • 518-563-9445
FAX: 518-563-5189 • email: eriks@espc-consulting.com

TABLE OF CONTENTS

APPENDICIES

1.0 Introduction

This report provides a summary of the tasks completed for an initial subsurface investigation and other work associated with environmental compliance for the Northern Car Crushers (NCC) Weld Shop facility located on Route 9 South in Keeseville, New York. This work was conducted in response to alleged violations identified by the New York State Department of Environmental Conservation (NYSDEC). Erik Sandblom, PC (ESPC) performed this work for NCC, owner of the site, in accordance with the Work Plan prepared by Griffin International, Inc. for the site dated June 15, 2004 and revised August 11, 2004 and modified by a letter to Mr. Richard Wagner of the NYSDEC from Mr. Erik Sandblom dated September 27, 2004, as well as in accordance with previous correspondence including NYSDEC's letter dated October 27, 2003 and correspondence from NCC's counsel dated April 5, 2004.

The scope of work presented in this report includes the investigation of potential spill sites at the facility. Specific work elements included conducting test pits, soil screening, soil and groundwater sample analysis, excavation and stockpiling of impacted soils, and conducting an assessment of potentially sensitive receptors. This investigation was conducted to determine whether suspected spill areas at the site are contaminated and to what degree and extent. Other environmental compliance work conducted at the site including development of a stormwater pollution prevention plan (SWPPP), assessment, closure, and registration of petroleum bulk storage (PBS) tanks, and characterization of used motor oil at the facility are addressed in separate reports and correspondence.

2.0 Site Description

Northern Car Crushers, Inc. is an automotive recycling company that operates four facilities in the Village of Keeseville, New York. The Weld Shop facility is located along a flat stretch of Route 9 south of the central Village. Operations at the Weld Shop include vehicle and equipment maintenance and repair, and vehicle, trailer, and equipment storage. The weld shop is where vehicles are primarily dismantled if salvaged and where the majority of NCC's repair work is conducted. The main building on the site consists of a maintenance garage and is located near the northwest corner of the site. A large shed is located to the south of the maintenance building. Both buildings are constructed upon a concrete slab foundation.

According to NCC representatives, the site is the location of a former air field. A runway, several hangers and fuel tanks used to be located at the site. The hangars and fuel tanks have been removed and representatives of the NYSDEC reportedly oversaw their removal. Groundwater monitoring wells were installed at the site circa 1994-1996 as part of an environmental investigation. The environmental firm conducting the work has reportedly ceased doing business since and the location or disposition of any groundwater monitoring wells is unknown. A large uncovered stockpile of spent foundry sand is also located at the site. This stockpile was present at the site prior to when NCC began operations at the site. Historic analytical testing data of samples of the sand are available and are presented in Section 5.0 of this report.

The site is primarily unpaved with gravel access drives throughout the site. A concrete pad / loading dock is located to the east of the maintenance garage and was installed and used by previous owners of the site. The site is generally flat with a slight downward pitch to the northeast, toward a delineated wetland per Adirondack Park Agency (APA) GIS mapping located approximately 450 feet from the site. Otherwise the closest surface water is an unnamed tributary to the Ausable River located approximately 860 feet to the north of the site. A site location map and site map based on aerial photographs are included in Appendix A.

The site is served by municipal water and sewer. There are no known water supply wells, septic systems, pits, ponds, or lagoons located at the subject site. Water and sewer service lines are the only known subsurface utilities located at the site. All other utilities (electric and communications) are located overhead. The main building is heated by a used oil burner.

The site is bounded to the west by Route 9 followed by residential properties, to the north by a golf cart sales and repair business, to the south by a concrete plant, and to the east by wooded, undeveloped wetland. All neighboring properties are reportedly served by the municipal water and sewer systems.

According to the Surficial Geologic Map of New York – Adirondack Sheet (1991, Donald H. Cadwell and Donald C. Parr), the site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Field observation confirms this. Groundwater is located approximately 9 feet below grade in the vicinity of the maintenance building. Groundwater flow direction has not been measured. Based on review of site topography and soil types, groundwater likely flows to the northeast or to the north, toward the Ausable River tributary.

According to mapped sources (Geologic Map of New York – Adirondack Sheet, 1970, Isachsen and Fischer), bedrock geology consists of Potsdam sandstone. Bedrock depths are not known at this site.

3.0 Subsurface Investigation

3.1 Procedure

On October 26 and October 27, 2004, soil was excavated at the Weld Shop Facility from specific areas of alleged concern that were previously identified by NYSDEC personnel. An ESPC engineer oversaw the excavations. Northern Car Crushers provided a backhoe operator and a bucket loader operator. Mr. Greg Handly of the NYSDEC was present for all excavations.

Test pits were excavated at previously identified locations in accordance with the Work Plan, and as shown on the Site Map in Appendix A:

- TP – 1D ~ on and beside the loading dock to the east of the maintenance building; and,
- TP – 2D ~ the former storage location of two car crushers in the yard. To the east of TP-1D.

To determine the horizontal and vertical extent of potential contamination, soil samples were collected at two-foot intervals and screened for volatile organic compounds (VOCs) using a photoionization detector (PID). ESPC personnel used an HNu Model PI-101 PID equipped with a 10.2 eV ultraviolet bulb. The PID was calibrated each day in the field to an isobutylene standard. Soils were screened using the Jar / Polyethylene Bag Headspace Screening Protocol contained in the Work Plan, which conforms to state and industry standards. PID readings and soil characteristics were recorded in detailed logs by the supervising engineer. Data is described below and is also included in Appendix B.

Excavations were extended in the vertical and horizontal directions to the limit of impact as determined by PID readings of less than 1.0 part per million (ppm) in soils collected from the bottom and sides of each test pit, or until the limit of the equipment or as warranted by site conditions. To the extent required by the Work Plan, excavated soils were transported and stockpiled on polyethylene sheeting at the southeastern corner of the property as indicated on the site map. A separate segregated soil pile was generated for each test pit. Each soil pile was clearly marked and placed upon and covered with polyethylene sheeting.

For each test pit, characterization soil samples were collected from what appeared to be the most impacted soils, as determined by PID readings. A 16-ounce soil jar was filled with a grab sample for analysis of semi-volatile organic compounds (SVOCs), RCRA (8) metals, and ethylene glycol. A sample for analysis of volatile organic compounds (VOCs) was collected in a laboratory provided 40-millilliter vial containing methanol. A 16-ounce site composite sample was collected from all test pits for analysis of PCBs and pesticides.

After the limits of each excavation were defined, a composite confirmation sample was gathered from the sides and bottom of each test pit. Groundwater was encountered in TP-1D so a groundwater sample was collected in lieu of a soil sample. Confirmation samples were collected for analysis of VOCs, SVOCs, RCRA (8) metals, and ethylene glycol. A confirmation sample was also collected for analysis of PCBs and pesticides. Confirmation samples were held by the laboratory until the completion of characterization sample analyses. Confirmation samples were then subsequently analyzed only for compounds of concern based on the characterization sample results. A summary of the results are included in Appendix C and discussed in Section 4.0.

The sides of each excavation were sloped back and secured following the completion of each excavation. NCC backfilled each excavation with clean soils after a few days elapsed.

The subsequent sections contain a brief summary of field observations and screening results from each test pit.

3.2 Test Pit 1D

Test Pit 1D is located east of the Weld Shop, and consisted of soils both on and to the north of a concrete loading dock. This location was investigated due to apparent black staining observed on the loading dock and on soils adjacent to the loading dock. The

area was bounded to the north and east by scrap metal. Scrap was removed from the western boundary for equipment access. Scrap along the western pit boundary was relocated for this test pit, which was first excavated on October 26, 2004. Excavation was stopped on October 26 due to an equipment malfunction and resumed on October 27.

Soils in Test Pit 1D were primarily medium brown to orange brown moist sands. The average PID reading in soils in the test pit was 57 ppm, and the peak PID reading was 190 ppm. Black, tar-like soil was removed from channels in the concrete pad and stockpiled with the soil. The top 12" of soil was stained. At 3' below grade, a strong, sweet odor was encountered in the test pit.

At 108" below grade, groundwater was encountered. Since impacted soils as measured with the PID were encountered to the groundwater depth and in accordance with the approved Work Plan, the laboratory was instructed not to analyze the characterization soil sample. Instead, a groundwater sample was collected from the test pit on October 28, 2004 and analyzed for all compounds. For quality assurance / quality control (QA/QC) purposes a duplicate groundwater sample was collected for analysis of VOCs only. The quantity of soil excavated from TP-1D was not measured, although it is estimated to be approximately 20 cubic yards.

On December 8, 2004, TP-1D was re-excavated to approximately 12' below grade in order to collect an additional groundwater sample. This additional sampling was performed since sample holding times were exceeded by the laboratory for VOCs for the sample collected in October 2004. A backhoe was utilized to excavate straight down to the groundwater surface and a sample was collected by lowering a clean container into the excavation. Mr. Greg Handly of the NYSDEC was present at the time of the sample collection. Mr. Handly collected a split sample of the groundwater to be analyzed independently by the NYSDEC. The excavation was backfilled with the excavated material on this day and compacted.

3.3 Test Pit 2D

Test Pit 2D is located east of the weld shop adjacent to the site access road in the former location of two car crushers. The area was bounded by the dirt access drive and large scrap vehicles. The car crushers were relocated elsewhere on site for this test pit, which was excavated on October 26, 2004. This area was identified for investigation due to hydraulic oil leakage observed from one of the car crushers and resulting visible staining on the ground surface.

The soils in TP-2D were primarily medium brown to orange brown silty sands. Soils in the top 12" of the test pit were dark brown with visible stained lenses. The average PID reading in soils in the test pit was 2.2 ppm, and the peak PID reading was 20 ppm. A characterization sample was collected from the soils in the center of the excavation, approximately 1.5' below grade.

Vertically, the test pit was excavated to approximately 3' below grade, at the point where PID readings were non-detectable. An approximately 6" lens of stained soil was present along the western test pit boundary, but the excavation was limited horizontally to the west by a large army vehicle.

The excavation expanded to the east into the access driveway, tracing a dark, stained layer of soil approximately 16" below grade and 4" thick. It was hypothesized that the staining extended below the dirt access driveway. To confirm this, three additional test pits, each equivalent to two-bucket volumes, were excavated within the dirt driveway. These samples were located approximately 30' apart, and each exhibited the same soil profile as the eastern boundary of Test Pit 2D. The excavation was terminated to maintain the functionality of the driveway.

Neither bedrock nor groundwater was encountered in the test pit. The quantity of soil excavated from TP-1D was not measured, although it is estimated to be approximately 40 cubic yards.

4.0 Soil and Groundwater Sample Analytical Results

The characterization sample collected from TP-2D and the groundwater sample collected from TP-1D on October 27, 2004 were analyzed for the full list of VOCs (EPA Method 8260), STARS list SVOCs (EPA Method 8270 B/N), RCRA 8 metals and ethylene glycol. The site composite consisting of a mixture of characterization soil samples was analyzed for PCBs and pesticides (EPA Method 8081 / 8082). Although no detectible concentrations of pesticides or PCBs were present in the composite sample, the sample collected from TP-2D was inadvertently analyzed by the laboratory for PCBs and pesticides. The confirmation samples collected from TP-2D were analyzed for full list VOCs and select metals based on the results of the characterization samples. The groundwater sample collected from TP-1D on December 8, 2004 was analyzed for STARS list VOCs, full list SVOCs, RCRA 8 metals, and ethylene glycol.

All laboratory analysis was conducted by Hudson Environmental Services (HES) of South Glens Falls, New York, a NELAC certified environmental laboratory approved by the New York State Department of Health (NYSDOH) and an approved NYSDEC contractor.

Results are summarized in the table in Appendix C at the end of this report. Based on the results, VOCs were reported above detection limits in all samples collected (characterization, confirmation, and duplicate samples). All of the compounds detected are typical compounds found in petroleum products (fuels and lubrication oils). The levels of all detected compounds in all of the groundwater samples collected from TP-1D were below NYSDEC standards for groundwater with the exception of xylenes, 1,3,5 – trimethylbenzene, and 1,2,4 – trimethylbenzene, which were detected slightly above standards. No SVOCs, metals, or ethylene glycol were detected in any of the groundwater samples collected from TP-1D at the site.

Both the characterization and confirmation samples collected from TP-2D contained VOCs at concentration that are below soil cleanup objectives to protect groundwater quality as published in NYSDEC's Technical and Administrative Guidance Memorandum #4046 (TAGM). Toluene and m-Xylene / p-Xylene were detected in excess of their TCLP Alternative Guidance Value as reported in the NYSDEC Petroleum-Contaminated Soil Guidance Policy (STARS#1). No SVOCs or ethylene glycol were reported above method detection limits in any of the samples analyzed. None of the samples analyzed

contained elevated levels of heavy metals. No pesticides or PCBs were reported above method detection limits for the site composite sample or the sample collected from TP-1D.

All samples were collected and handled according to the Surface / Subsurface / Stockpiled Soil Sampling Protocol, Surface Water Sampling Protocol, Sample Containerization, Preservation and Handling Procedure, and Sample Packaging Protocol, contained in the Work Plan, which conform to industry and state standards. All samples were hand delivered to an HES courier under proper chain of custody.

The groundwater sample and duplicate collected on October 28, 2004 from TP-1D was analyzed 22 days following sample collection. The standard holding time according to method procedures and laboratory protocol is 14 days. Due to this breach in protocol, the groundwater sample from TP-1D was recollected on December 8, 2004. The laboratory inadvertently analyzed the sample past holding time and reported the results to ESPC by mistake. These results have already been provided to the NYSDEC by email and are provided in this report for informational purposes only. It is not considered likely that the data has been significantly compromised due to sample preservation and laboratory sample handling procedure which minimizes the likelihood of volatilization or degradation; however, the data cannot be adequately validated given the exceeded holding time and the data should not be relied upon.

It is noted that the relative percent difference (RPD) for the October 28, 2004 groundwater sample VOC results between the main sample and the duplicate are relatively high (50% and greater). Since this data is already not valid due to the exceeded holding time, the high RPD is inconsequential.

Review of the laboratory data, chain of custody documentation, and field documentation indicates that adequate quality assurance and quality control (QA/QC) were maintained for all other samples collected as part of this investigation.

5.0 Historical Sample Analysis Results

In addition to the sample analysis results obtained as part of this investigation, NCC provided ESPC with the analytical results of samples collected from surficial soils throughout the site and from a large stockpile of foundry sand located at the site. The samples were collected on May 10, 1995 prior to Northern Car Crushers acquiring the property. The results are included in a separate appendix at the end of this report.

According to the lab report from Champlain Laboratories of Plattsburgh, NY, the samples were analyzed for total petroleum hydrocarbons (TPH, method not reported), and for VOCs per EPA Method 8021. According to the report, it appears that the samples analyzed for TPH were collected from various locations throughout the site and the sample analyzed for VOCs was a composite sample collected from the foundry sand stockpile.

TPH was detected in samples ranging from 40.1 ppm to 43.6 ppm, with the exception of one sample collected from "behind garage cement pad", which is the same location as TP-1D. This sample contained 191 ppm TPH. None of the VOCs tested for were

detected in the foundry sand sample with the exception of cis-1,2-Dichloroethane, which was detected at a concentration of 31 ppb[1].

ESPC is not aware of a New York soil standard for TPH. The TAGM soil cleanup objective for cis-1,2-Dichloroethane is 6000 ppb and the TCLP Alternative Guidance Value is 100 ppb.

6.0 Sensitive Receptor Assessment

A receptor risk assessment was conducted to identify known and potential receptors of impact from petroleum compounds detected, if any, at the Northern Car Crushers Weld Shop Facility. A visual survey was conducted over the course of several visits to the site during this investigation. Based on these observations, a determination of the potential risk to identified receptors was made based on proximity to the expected source area, topography, presumed groundwater flow direction, and contaminant concentration levels in soils.

Water Supplies
The on-site buildings and surrounding sites are serviced by the municipal water system and there are no known public or private water supplies in proximity to the site. Based on the lack of water supplies in the vicinity of the site and the relatively low levels of contaminants detected in shallow soils at the site, water supplies do not appear to be at risk of impact.

Buildings in the Vicinity
The nearest building to any of the investigated areas is the maintenance garage located at the subject site. This building is constructed upon a slab foundation. The maintenance garage does not appear to be at risk of impact from residual petroleum compounds detected at the site, due to its distance from the source, and the overall low magnitude of contamination.

Surface Water
The closest surface water to the site and investigated areas is a mapped wetland 460' to the northeast of the site and the unnamed tributary located 865 feet to the north of the edge of the property. Due to the distance from the site and the low overall magnitude of contamination detected, these surface waters are considered to have minimal risk of petroleum impact from the subject site.

Utility Corridors
The area surrounding the site is serviced by public water and sewer. The location of the water and sewer lines in not known; however, the depth to these buried utilities is likely to be less than the depth to groundwater, approximately 9' below grade. Based on this and the low magnitude of contamination the potential of contaminant migration via utility corridors is considered minimal, if utility corridors do exist in the area.

7.0 Findings and Conclusions

- Based on available mapping and data gathered from the excavation and sample collection from two test pits conducted in October and December of 2004, the

site is underlain predominantly by silty sands and some gravels. Bedrock depth is unknown. Depth to surficial groundwater is approximately 9' below grade.

- PID screening and laboratory analysis of soil and groundwater samples indicate that moderate to low concentrations of petroleum compounds were present in both test locations. Confirmatory sampling indicates that low-level petroleum contaminated soils remain at both locations at concentrations below TAGM cleanup objectives. Xylenes and 1,3,5 – trimethylbenzene were detected in groundwater slightly above standards in TP-1D and toluene and xylenes were detected in soil above the STARS TCLP Alternative Guidance Values in TP-2D.

- Based on soil types, groundwater depth, known minimal impact to groundwater at TP-1D, and distance to identified potentially sensitive receptors, the relatively low residual concentration of petroleum compounds in TP-1D and TP-2D (significantly below TAGM cleanup objectives for the protection of groundwater) does not pose a significant risk of impact to receptors or of off-site migration of contaminants in excess of standards.

- The soils showing higher impacts have been excavated and remain temporarily and securely stockpiled at the site. Two soil stockpiles currently remain at the site. The characterization samples collected from TP-2D during excavation is representative of the highest expected concentration of contaminants in its corresponding stockpile. The groundwater confirmation sample should be considered representative of the qualitative characterization of petroleum impacts to the TP-1D stockpile; however it is likely that contaminant concentrations exceed those reported in the groundwater sample.

- Historical sample analysis results from 1995 show elevated TPH concentrations in surficial soils in the vicinity of TP-1D as compared to other locations at the site. This could indicate that this area was impacted prior to Northern Car Crushers' purchase of the property. A low concentration of cis-1,2-Dichloroethane was detected in a composite foundry sand sample below TAGM guidelines and TCLP Alternative Guidance values. Based on the lo level of contamination and the passing of almost ten years, the spent foundry sand is not expected to exhibit continued impacts.

8.0 Recommendations

The following recommendations are presented subject to agreement on a consent order as referenced in NYSDEC correspondence to NCC dated October 27, 2003 and further confirmed in a letter from Mr. Joseph Picciotti, Esq, Harris Beach, LLC (NCC legal counsel) to Mr. Chris Lacombe, NYSDEC Attorney, dated April 5, 2004 and in the Work Plan.

- Stockpiles of soil removed from TP-1D and TP-2D contain petroleum compounds in excess of STARS TCLP Alternative Guidance Values and therefore must be appropriately reused, disposed, or treated in accordance with NYSDEC standards. It is recommended to treat these soils on-site using bioremediation. Given the relatively similar contaminant profile among the stockpiles, they may be combined for more efficient storage and treatment. A soil stockpile

remediation plan should be submitted to the NYSDEC for approval and work should begin by the late Spring of 2005.

- Given the relatively low residual concentration of petroleum compounds in soil and groundwater at the site and the unlikelihood of significant impact to receptors, no further investigative work is proposed for the Northern Car Crushers Main Office Facility.

9.0 References

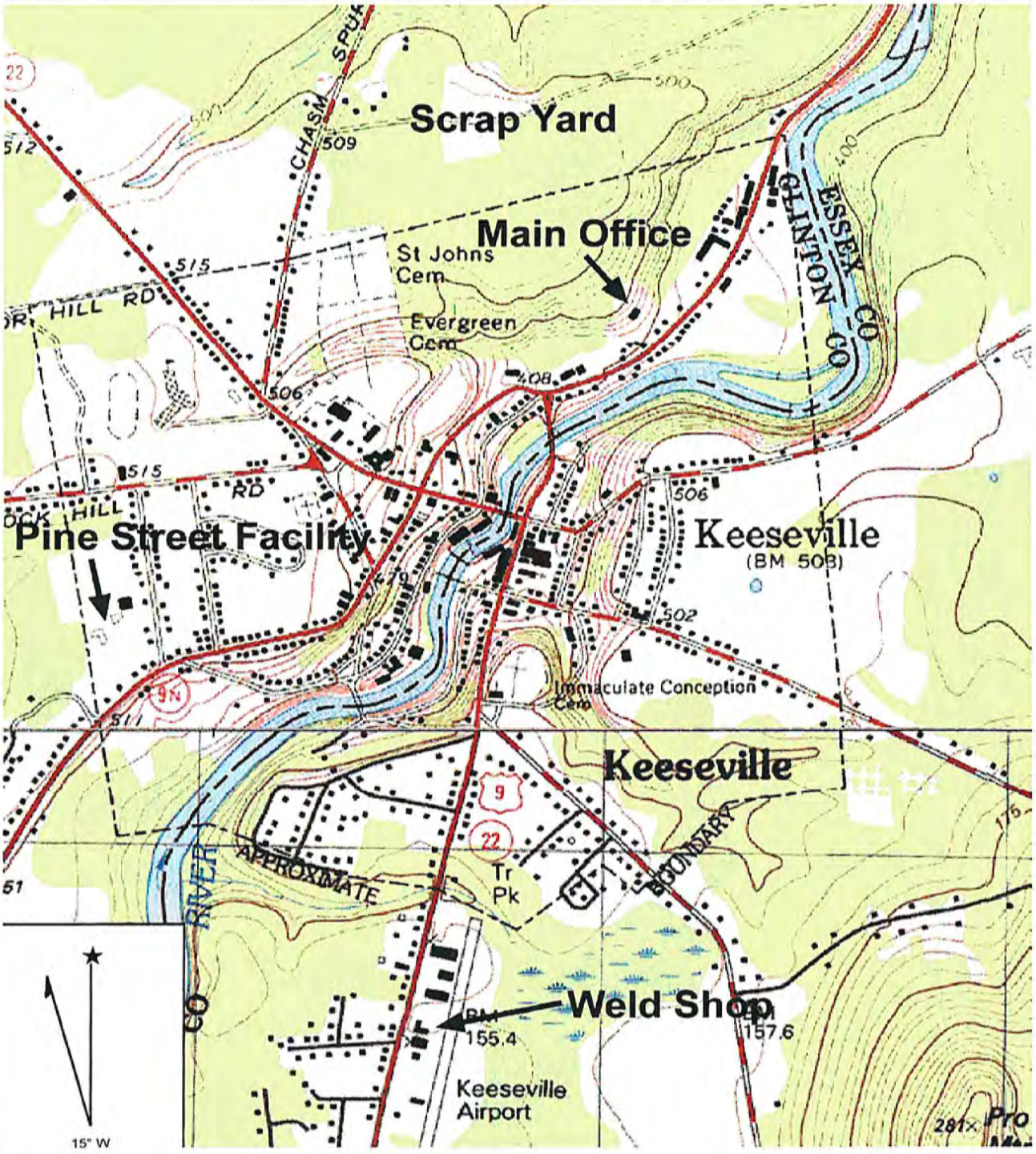
- Work Plan for Preliminary Site Assessment and Environmental Compliance, Griffin International, Inc., June 15, 2004 (Revised August 11, 2004).
- Letter to Mr. Richard Wagner, New York State Department of Environmental Conservation, from Mr. Erik Sandblom, dated September 27, 2004.
- Cadwell, Donald H. and Donald C. Parr, *Surficial Geologic Map of New York – Adirondack Sheet*, 1991.
- Isachsen and Fischer, *Geologic Map of New York – Adirondack Sheet*, 1970.
- Spill Technology and Remediation Series (STARS) #1: *Petroleum-Contaminated Soil Guidance Policy*, New York State Department of Environmental Conservation, August, 1992.
- Technical and Administrative Guidance Memorandum #4046: Determination of Soil Cleanup Objectives and Cleanup Levels, New York State Department of Environmental Conservation, January 24, 1994
- *DRAFT Preliminary Site Assessments (PSA) Guidance,* New York State Department of Environmental Conservation Division of Environmental Remediation (DER) (undated).
- *Draft Guidance for the Preparation of Work Plans and Reports for Site Investigations at Petroleum Spill Sites*, New York State Department of Environmental Conservation, April 29, 2004
- New York State Cyber Security and Critical Infrastructure Coordination, NYSGIS Clearinghouse, http://www.nysgis.stste.ny.us, 30 South Pear Street, 11th Floor, Albany, NY 12207-3425

Footnotes

1 The Champlain laboratories computerized printout reports results in mg/kg (ppm). However, this method is typically reported at the magnitude of ug/kg (ppb), and the units reported on the summary of result contained in the same report are ug/kg. Therefore it is presumed that the units printed on the computerized printout is a misprint and that the detected concentration of cis-1,2,-Dichloroethane is 31 ug/kg.

Appendix A

Site Location Map and Site Map



ESPC Project 20041039

ESPC
Erik Sandblom, PC
Engineering and
Environmental Consulting
Williston, VT Plattsburgh, NY

Northern Car Crushers, Inc.
Keeseville, New York

Site Location Map
USGS Mapping

Date: 01/21/05	Drawing No. 1	Scale: 1:24000	By: ES

Weld Sshers Routork

Legend

Test Pits

Location

- TP 1D
- TP 2D
- 20' Contours

ESPC

Erik C.F. Sandblom, P.E. P.C.

Engineering and Environmental Consulting Services

Williston, VT Plattsburgh, NY

0 0.025 0.05

Appendix B

Test Pit Logs

Site Investigation
Weld Shop, Route 9

Northern Car Crushers
Keeseville, New York

TP 1D ~ On and Beside Concrete Loading Dock

Tuesday 10/26/2004

PID READINGS, PARTS PER MILLION (ppm)

	Location									
Depth	**East**	**S1**	**S2**	**S3**	**S4**	**S5**	**S6**	**S7**	**S8**	**SA**
surface	1.0									
1'	<0.5	<0.5	<0.5	<0.5	32.0	<0.5				
2'	<0.5			2.0	9.0	190.0	7.0			
3'				5.0	150.0	<0.5	<0.5			
4'					190.0			0.5		
5'					2.0				0.5	
5.5'					190.0					
6'									0.5	
7'										80
8'										70
8.5'										40

Shaded Box indicates characterization sample collection location

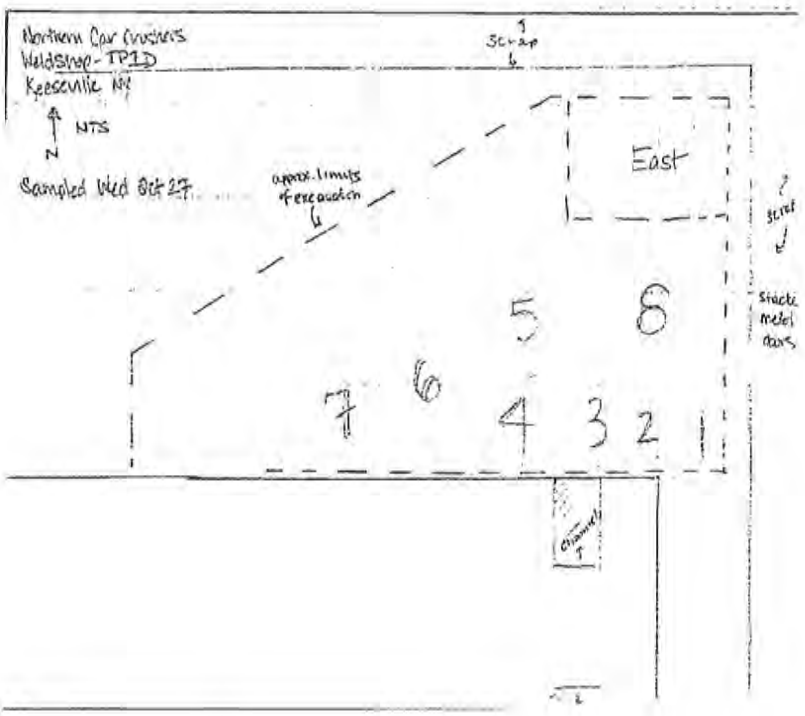
Background PID Reading = 0 ppm

SOIL DESCRIPTIONS

1080

0-12" Medium brown fine grained silty sands with gravel

12-36+" Medium orange-to light brown fine grained silty sands



Site Investigation
Main Office, Route 9

Northern Car Crushers
Keeseville, New York
Monday 10/25/2004

TP 2D ~ Former Location of Two Car Crushers East of the Weld Shop

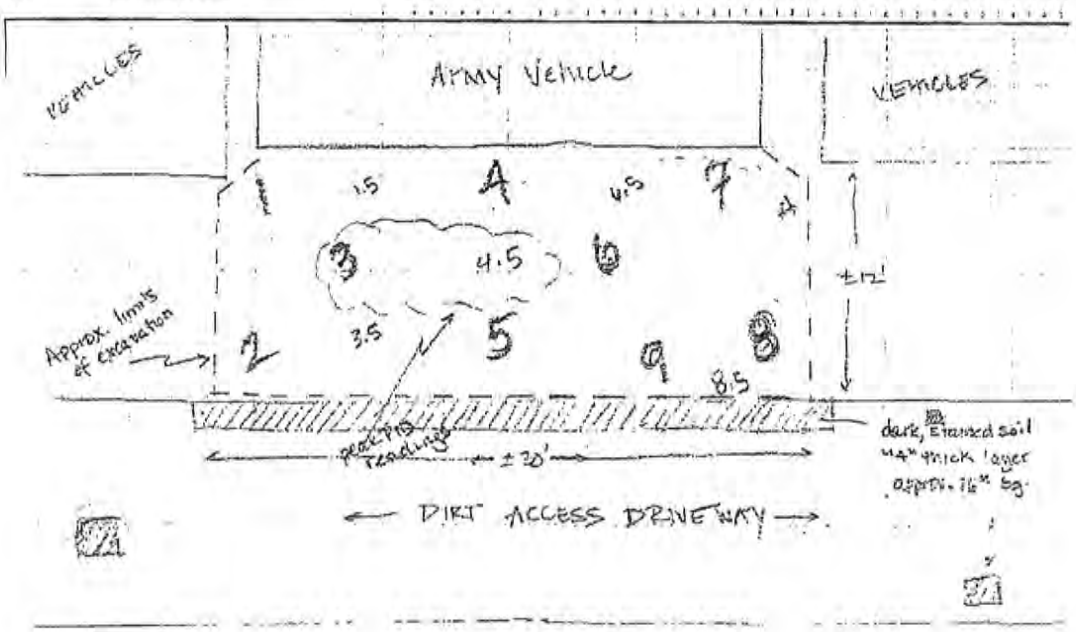
PID READINGS, PARTS PER MILLION (ppm)

	Location														
Depth	**1**	**1.5**	**2**	**3**	**3.5**	**4**	**4.5**	**5**	**6**	**6.5**	**7**	**8**	**8.5**	**9**	**A**
0.5'	0.0		1.0	0.5		0.0		2.0			0.0				
1'	0.5	0.5		4.0	2.0	1.0				1.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.5'				20.0											
2'	0.5		0.5	2.0	1.0	0.5	4.5		<0.5		<0.5		<0.5		
3'						1.0	2.5			<0.5					

Shaded Box indicates characterization sample collection location
Background PID Reading = 0 ppm

SOIL DESCRIPTIONS

0-12" Sand,with oily, dark lenses & 25% gravel
12-36" Medium orange - brown very fine sand, dry
36-60" Medium brown fine sand, moist
60-102" Light orange brown well graded sand, moist. Cobbles (10%) at 85"+
102" Groundwater



Appendix C

Analytical Data Summary

Date Printed: 1/31/2005

ESPC

Northern Car Crushers
Weld Shop Facility
Sample Analytial Results Summary

Parameter	Site Composite	TP 1D GW	TP 1D GW-Dup	TP 1D Resample	TP 2D Char	TP 2D Conf	TAGM Standard	STARS Alt. Std.	GW Standard
Date Collected	10/27/2004	10/27/2004	10/27/2004	12/8/2004	10/26/2004	10/26/2004			
VOCs (type of analysis)		Full List**	Full List**	STARS	Full List	Full List			
Toluene		1.6	0.8	0.9	681	833	1500	100	5
Ethylbenzene		1.0	0.5	ND<0.5	54	60	5500	100	5
m-Xylene/p-Xylene		13	4.0	3.7	112	116	1200 Total	100	5
o-Xylene		24	9.0	15	92	84		100	5
Isopropylbenzene		0.7	ND<0.5	ND<0.5	ND<20	ND<19		100	5
n-Propylbenzene		1.2	ND<0.5	ND<0.5	ND<20	ND<19		100	5
1,3,5 - Trimethylbenzene		8.8	3.0	7.2	65	ND<19		100	5
2-Chlorotoluene		ND<0.5	ND<0.5	0.9	ND<20	ND<19			
4-Chlorotoluene		ND<0.5	ND<0.5	9.0	ND<20	ND<19			
1,2,4 - Trimethylbenzene		27	7.0	ND<0.5	35	ND<19		100	5
Napthalene		5.0	2.0	1.2	40	ND<19	10,000		
Total Detectable VOCs		79.7	25	**37.9**	**1079**	**200**	10,000		
SVOCs (type of analysis)		STARS		Full List	STARS				
Benzo(a)pyrene		ND<10		ND<10	ND<344			0.04	0.002 (ND)
Total Detectable SVOCs		**ND**		**ND**	**ND**		500,000		
Metals									
Arsenic (mg/kg, mg/L)		ND<0.005		ND<0.005	1.2		7.5 or SB	100	5
Barium (mg/kg, mg/L)		ND<0.20		0.40	32		300 or SB	2000	100
Cadmium (mg/kg, mg/L)		ND<0.02		ND<0.02	2.0	1.3	1 or SB	20	1
Chromium (mg/kg, mg/L)		ND<0.05		ND<0.05	5.6	5.5	10 or SB	100	5
Lead (mg/kg, mg/L)		ND<0.100		0.36	33	46	SB*	100	5
Mercury (mg/kg, mg/L)		ND<0.001		ND<0.001	ND<0.052		0.1	4	
Selenium (mg/kg, mg/L)		ND<0.005		ND<0.005	ND<0.26		2 or SB	20	
Silver (mg/kg, mg/L)		ND<0.001		ND<0.001	2.4		SB	100	5
Pesticides									
Aldrin	ND<1.8				ND<1.8		41		ND (<0.5)
beta-BHC	ND<1.8				ND<1.8		200		ND (<0.1)
gamma-BHC	ND<3.5				ND<3.6				
Endosulfan II	ND<1.8				ND<1.8		900		0.1
Heptachlor	ND<1.8				ND<1.8		100		ND (<0.01)
Total Detectable pesticides	**ND**				**ND**		10,000		
PCBs (mg/kg, mg/L)	ND<0.2				ND<0.2		10		0.1 ppb
Ethylene Glycol (mg/kg, mg/L)		ND<50		ND<50	ND<52				

All parameters reported in ug/mg (ppb) for soil and ug/l (ppb) for groundwater except where noted
Blank entries mean that the sample was not analyzed for that parameter
ug/kg - microgram per kilogram; ug/L - microgram per liter
mg/kg - milligram per kilogram; mg/L - milligram per liter
ppb - parts per billion ; ppm - parts per million
SB - Site Background
*Typical lead soil background concentrations range from 4-61 ppm in undeveloped rural areas and 200-500 ppm in metropolitan, suburban areas or near highways.
**** The groundwater samples collected on 10/27/04 were analyzed past holding times. The data does not meet adequate validation criteria and is reported here for informational purposes only.**

Appendix D

Laboratory Analytical Reports

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TP1D
MATRIX: Groundwater
LOCATION: Keeseville, NY
H.E.S.#: 041028U04

DATE SAMPLED: 10/27/04
TIME SAMPLED: 10:00-12:00
DATE SAMPLE RECD: 10/28/04
TYPE SAMPLE: Grab
SAMPLER: K.Adams/ESPC

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8260B	<0.5	ug/l	11/19/04
Chloromethane	SW846-8260B	<0.5	ug/l	11/19/04
Vinyl chloride	SW846-8260B	<0.5	ug/l	11/19/04
Chloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Bromomethane	SW846-8260B	<0.5	ug/l	11/19/04
Trichlorofluoromethane	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
Methylene chloride	SW846-8260B	<0.5	ug/l	11/19/04
trans-1,2-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
2,2-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
cis-1,2-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
Bromochloromethane	SW846-8260B	<0.5	ug/l	11/19/04
Chloroform	SW846-8260B	<0.5	ug/l	11/19/04
1,1,1-Trichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
Carbon Tetrachloride	SW846-8260B	<0.5	ug/l	11/19/04
Benzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Trichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
Dibromomethane	SW846-8260B	<0.5	ug/l	11/19/04
Bromodichloromethane	SW846-8260B	<0.5	ug/l	11/19/04
cis-1,3-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
Toluene	SW846-8260B	1.6	ug/l	11/19/04
trans-1,3-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
1,1,2-Trichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Tetrachloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,3-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
Dibromochloromethane	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dibromoethane	SW846-8260B	<0.5	ug/l	11/19/04
Chlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP1D

H.E.S.#: 041028U04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
1,1,1,2-Tetrachloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Ethylbenzene	SW846-8260B	1.0	ug/l	11/19/04
m-Xylene/p-Xylene	SW846-8260B	13	ug/l	11/19/04
o-Xylene	SW846-8260B	24	ug/l	11/19/04
Styrene	SW846-8260B	<0.5	ug/l	11/19/04
Bromoform	SW846-8260B	<0.5	ug/l	11/19/04
Isopropylbenzene	SW846-8260B	0.7	ug/l	11/19/04
Bromobenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,1,2,2-Tetrachloroethane	SW846-8260B	<0.5	ug/l	11/19/04
1,2,3-Trichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
n-Propylbenzene	SW846-8260B	1.2	ug/l	11/19/04
2-Chlorotoluene	SW846-8260B	<0.5	ug/l	11/19/04
4-Chlorotoluene	SW846-8260B	<0.5	ug/l	11/19/04
1,3,5-Trimethylbenzene	SW846-8260B	8.8	ug/l	11/19/04
p-Isopropyltoluene	SW846-8260B	<0.5	ug/l	11/19/04
1,2,4-Trimethylbenzene	SW846-8260B	27	ug/l	11/19/04
sec-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,3-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
tert-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,4-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
n-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dibromo-3-chloropropane	SW846-8260B	<0.5	ug/l	11/19/04
1,2,4-Trichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
Hexachlorobutadiene	SW846-8260B	<0.5	ug/l	11/19/04
Naphthalene	SW846-8260B	5.0	ug/l	11/19/04
1,2,3-Trichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP1D

H.E.S.#: 041028U04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Naphthalene	SW846-8270C	<10	ug/l	11/25/04
Acenaphthene	SW846-8270C	<10	ug/l	11/25/04
Fluorene	SW846-8270C	<10	ug/l	11/25/04
Phenanthrene	SW846-8270C	<10	ug/l	11/25/04
Anthracene	SW846-8270C	<10	ug/l	11/25/04
Fluoranthene	SW846-8270C	<10	ug/l	11/25/04
Pyrene	SW846-8270C	<10	ug/l	11/25/04
Benzo (a) anthracene	SW846-8270C	<10	ug/l	11/25/04
Chrysene	SW846-8270C	<10	ug/l	11/25/04
Benzo (b) fluoranthene	SW846-8270C	<10	ug/l	11/25/04
Benzo (k) fluoranthene	SW846-8270C	<10	ug/l	11/25/04
Benzo (a) pyrene	SW846-8270C	<10	ug/l	11/25/04
Indeno (1,2,3-CD) pyrene	SW846-8270C	<10	ug/l	11/25/04
Dibenz (a,h) anthracene	SW846-8270C	<10	ug/l	11/25/04
Benzo (g,h,i) perylene	SW846-8270C	<10	ug/l	11/25/04
Non-Target Peaks		Positive		

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP1D

H.E.S.#: 041028U04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Arsenic	SW846-7060A	<0.005	mg/l	11/23/04
Barium	SW846-7080A	<0.20	mg/l	11/20/04
Cadmium	SW846-7130	<0.02	mg/l	11/19/04
Chromium	SW846-7190	<0.05	mg/l	11/20/04
Lead	SW846-7420	<0.100	mg/l	11/19/04
Mercury	SW846-7471A	<0.001	mg/l	10/17/04
Selenium	SW846-7740	<0.005	mg/l	11/23/04
Silver	SW846-7760A	<0.001	mg/l	11/29/04
Ethylene Glycol	SW846-8015B	<50	mg/l	12/09/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP1D-Dup

MATRIX: Groundwater

LOCATION: Keeseville, NY

H.E.S.#: 041028U05

DATE SAMPLED: 10/27/04

TIME SAMPLED: 10:00

DATE SAMPLE RECD: 10/28/04

TYPE SAMPLE: Grab

SAMPLER: K.Adams/ESPC

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8260B	<0.5	ug/l	11/19/04
Chloromethane	SW846-8260B	<0.5	ug/l	11/19/04
Vinyl chloride	SW846-8260B	<0.5	ug/l	11/19/04
Chloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Bromomethane	SW846-8260B	<0.5	ug/l	11/19/04
Trichlorofluoromethane	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
Methylene chloride	SW846-8260B	<0.5	ug/l	11/19/04
trans-1,2-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
2,2-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
cis-1,2-Dichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
Bromochloromethane	SW846-8260B	<0.5	ug/l	11/19/04
Chloroform	SW846-8260B	<0.5	ug/l	11/19/04
1,1,1-Trichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
1,1-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
Carbon Tetrachloride	SW846-8260B	<0.5	ug/l	11/19/04
Benzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Trichloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
Dibromomethane	SW846-8260B	<0.5	ug/l	11/19/04
Bromodichloromethane	SW846-8260B	<0.5	ug/l	11/19/04
cis-1,3-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
Toluene	SW846-8260B	0.8	ug/l	11/19/04
trans-1,3-Dichloropropene	SW846-8260B	<0.5	ug/l	11/19/04
1,1,2-Trichloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Tetrachloroethene	SW846-8260B	<0.5	ug/l	11/19/04
1,3-Dichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
Dibromochloromethane	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dibromoethane	SW846-8260B	<0.5	ug/l	11/19/04
Chlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP1D-Dup

H.E.S.#: 041028U05 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
1,1,1,2-Tetrachloroethane	SW846-8260B	<0.5	ug/l	11/19/04
Ethylbenzene	SW846-8260B	0.5	ug/l	11/19/04
m-Xylene/p-Xylene	SW846-8260B	4.0	ug/l	11/19/04
o-Xylene	SW846-8260B	9.0	ug/l	11/19/04
Styrene	SW846-8260B	<0.5	ug/l	11/19/04
Bromoform	SW846-8260B	<0.5	ug/l	11/19/04
Isopropylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
Bromobenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,1,2,2-Tetrachloroethane	SW846-8260B	<0.5	ug/l	11/19/04
1,2,3-Trichloropropane	SW846-8260B	<0.5	ug/l	11/19/04
n-Propylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
2-Chlorotoluene	SW846-8260B	<0.5	ug/l	11/19/04
4-Chlorotoluene	SW846-8260B	<0.5	ug/l	11/19/04
1,3,5-Trimethylbenzene	SW846-8260B	3.0	ug/l	11/19/04
p-Isopropyltoluene	SW846-8260B	<0.5	ug/l	11/19/04
1,2,4-Trimethylbenzene	SW846-8260B	7.0	ug/l	11/19/04
sec-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,3-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
tert-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,4-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
n-Butylbenzene	SW846-8260B	<0.5	ug/l	11/19/04
1,2-Dibromo-3-chloropropane	SW846-8260B	<0.5	ug/l	11/19/04
1,2,4-Trichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04
Hexachlorobutadiene	SW846-8260B	<0.5	ug/l	11/19/04
Naphthalene	SW846-8260B	2.0	ug/l	11/19/04
1,2,3-Trichlorobenzene	SW846-8260B	<0.5	ug/l	11/19/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TF 1D-Confirmation
MATRIX: Groundwater
LOCATION: Keeseville, NY
H.E.S. #: 041210I01

DATE SAMPLED: 12/08/04
DATE SAMPLE RECD: 12/10/04
TIME SAMPLED: 13:55
TYPE SAMPLE: Grab
SAMPLER: E.Sandbloom/EPSC

PARAMETER	METHOD	RESULT		MRL	UNITS	TEST DATE
MTBE	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Benzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Trichloroethylene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Toluene*	SW846-8260B	0.9	B	0.5	ug/l	12/17/04
Tetrachloroethylene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Chlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Ethylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
m-Xylene/p-Xylene	SW846-8260B	3.7		0.5	ug/l	12/17/04
o-Xylene	SW846-8260B	15		0.5	ug/l	12/17/04
Styrene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Isopropylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
n-Propylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Bromobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,3,5-trimethylbenzene	SW846-8260B	7.2		0.5	ug/l	12/17/04
2-Chlorotouene	SW846-8260B	0.9		0.5	ug/l	12/17/04
4-Chlorotoluene	SW846-8260B	9.0		0.5	ug/l	12/17/04
tert-Butylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,2,4-Trimethylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
sec-Butylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
p-Isopropyltoluene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,3-Dichlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,4-Dichlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
n-Butylbenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,2-Dichlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
1,2,4-Trichlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Hexachlorobutadiene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Naphthalene	SW846-8260B	1.2		0.5	ug/l	12/17/04
1,2,3-Trichlorobenzene	SW846-8260B	<0.5		0.5	ug/l	12/17/04
Non-Target Peaks		Negative				

B = Found in method blank: Toluene = 2.9 ug/l.

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TP 1D-Confirmation
H.E.S. #: 041210I01 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Phenol	SW846-8270C	<10	ug/kg	12/22/04
bis(2-Chloroethyl)ether	SW846-8270C	<10	ug/kg	12/22/04
2-Chlorophenol	SW846-8270C	<10	ug/kg	12/22/04
1,3-Dichlorobenzene	SW846-8270C	<10	ug/kg	12/22/04
1,4-Dichlorobenzene	SW846-8270C	<10	ug/kg	12/22/04
1,2-Dichlorobenzene	SW846-8270C	<10	ug/kg	12/22/04
4-Methylphenol	SW846-8270C	<10	ug/kg	12/22/04
2-Methylphenol/3-Methylphenol	SW846-8270C	<10	ug/kg	12/22/04
bis(2-chloroisopropyl)ether	SW846-8270C	<10	ug/kg	12/22/04
n-Nitroso-di-n-propylamine	SW846-8270C	<10	ug/kg	12/22/04
Hexachloroethane	SW846-8270C	<10	ug/kg	12/22/04
Nitrobenzene	SW846-8270C	<10	ug/kg	12/22/04
2-Nitrophenol	SW846-8270C	<10	ug/kg	12/22/04
bis(2-Chloroethoxy)methane	SW846-8270C	<10	ug/kg	12/22/04
2,4-Dichlorophenol	SW846-8270C	<10	ug/kg	12/22/04
1,2,4-Trichlorobenzene	SW846-8270C	<10	ug/kg	12/22/04
Naphthalene	SW846-8270C	<10	ug/kg	12/22/04
4-Chloroaniline	SW846-8270C	<10	ug/kg	12/22/04
Hexachlorobutadiene	SW846-8270C	<10	ug/kg	12/22/04
4-Chloro-3-methylphenol	SW846-8270C	<10	ug/kg	12/22/04
2,4,6-Trichlorophenol	SW846-8270C	<10	ug/kg	12/22/04
Hexachlorocyclopentadiene	SW846-8270C	<10	ug/kg	12/22/04
2-Chloronaphthalene	SW846-8270C	<10	ug/kg	12/22/04
2-Nitroaniline	SW846-8270C	<10	ug/kg	12/22/04
3-Nitroaniline	SW846-8270C	<10	ug/kg	12/22/04
Pyridine	SW846-8270C	<10	ug/kg	12/22/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TP 1D-Confirmation
H.E.S. #: 041210I01 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dimethylphthalate	SW846-8270C	<10	ug/kg	12/22/04
Acenaphthylene	SW846-8270C	<10	ug/kg	12/22/04
2,6-Dinitrotoluene	SW846-8270C	<10	ug/kg	12/22/04
Acenaphthene	SW846-8270C	<10	ug/kg	12/22/04
2,4-Dinitrophenol	SW846-8270C	<10	ug/kg	12/22/04
Dibenzofuran	SW846-8270C	<10	ug/kg	12/22/04
4-Nitrophenol	SW846-8270C	<10	ug/kg	12/22/04
2,4-Dinitrotoluene	SW846-8270C	<10	ug/kg	12/22/04
Fluorene	SW846-8270C	<10	ug/kg	12/22/04
Diethylphthalate	SW846-8270C	<10	ug/kg	12/22/04
4-Chlorophenyl-phenylether	SW846-8270C	<10	ug/kg	12/22/04
4,6-Dinitro-2-methylphenol	SW846-8270C	<10	ug/kg	12/22/04
4-Nitroaniline	SW846-8270C	<10	ug/kg	12/22/04
n-Nitrosodiphenylamine	SW846-8270C	<10	ug/kg	12/22/04
4-Bromophenyl-phenylether	SW846-8270C	<10	ug/kg	12/22/04
Hexachlorobenzene	SW846-8270C	<10	ug/kg	12/22/04
Pentachlorophenol	SW846-8270C	<10	ug/kg	12/22/04
Phenanthrene	SW846-8270C	<10	ug/kg	12/22/04
Anthracene	SW846-8270C	<10	ug/kg	12/22/04
Di-n-butylphthalate	SW846-8270C	<10	ug/kg	12/22/04
Fluoranthene	SW846-8270C	<10	ug/kg	12/22/04
Pyrene	SW846-8270C	<10	ug/kg	12/22/04
Butylbenzylphthalate	SW846-8270C	<10	ug/kg	12/22/04
Benzo(a)anthracene	SW846-8270C	<10	ug/kg	12/22/04
Chyrsene	SW846-8270C	<10	ug/kg	12/22/04
bis(2-Ethylhexyl)phthalate	SW846-8270C	<10	ug/kg	12/22/04
Di-n-octylphthalate	SW846-8270C	<10	ug/kg	12/22/04
Benzo(b)fluoranthene	SW846-8270C	<10	ug/kg	12/22/04
Benzo(k)fluoranthene	SW846-8270C	<10	ug/kg	12/22/04
Benzo(a)pyrene	SW846-8270C	<10	ug/kg	12/22/04
Indeno(1,2,3-cd)pyrene	SW846-8270C	<10	ug/kg	12/22/04
Dibenzo(a,h)anthracene	SW846-8270C	<10	ug/kg	12/22/04
Benzo(g,h,i)perylene	SW846-8270C	<10	ug/kg	12/22/04
Non-Target Peaks		Negative		

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP 1D-Confirmation

H.E.S. #: 041210I01 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Arsenic	SW846-7060A	<0.005	mg/l	12/17/04
Barium	SW846-7080A	0.40	mg/l	12/17/04
Cadmium	SW846-7130	<0.02	mg/l	12/17/04
Chromium	SW846-7190	<0.05	mg/l	12/17/04
Lead	SW846-7420	0.360	mg/l	12/17/04
Mercury	SW846-7471A	<0.001	mg/l	12/20/04
Selenium	SW846-7740	<0.005	mg/l	12/23/04
Silver	SW846-7760A	<0.001	mg/l	12/29/04
Ethylene Glycol	SW846-8015B	<50	mg/l	12/22/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TP2D-Weld Shop-Charac
MATRIX: Soil
LOCATION: Keeseville, NY
H.E.S.#: 041027A04

DATE SAMPLED: 10/26/04
TIME SAMPLED: 10:30
DATE SAMPLE RECD: 10/27/04
TYPE SAMPLE: Composite & Grab
SAMPLER: K.Adams/ESPC

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8260B	<20	ug/kg	11/05/04
Chloromethane	SW846-8260B	<20	ug/kg	11/05/04
Vinyl chloride	SW846-8260B	<20	ug/kg	11/05/04
Chloroethane	SW846-8260B	<20	ug/kg	11/05/04
Bromomethane	SW846-8260B	<20	ug/kg	11/05/04
Trichlorofluoromethane	SW846-8260B	<20	ug/kg	11/05/04
1,1-Dichloroethene	SW846-8260B	<20	ug/kg	11/05/04
Methylene chloride	SW846-8260B	<20	ug/kg	11/05/04
trans-1,2-Dichloroethene	SW846-8260B	<20	ug/kg	11/05/04
1,1-Dichloroethane	SW846-8260B	<20	ug/kg	11/05/04
2,2-Dichloropropane	SW846-8260B	<20	ug/kg	11/05/04
cis-1,2-Dichloroethene	SW846-8260B	<20	ug/kg	11/05/04
Bromochloromethane	SW846-8260B	<20	ug/kg	11/05/04
Chloroform	SW846-8260B	<20	ug/kg	11/05/04
1,1,1-Trichloroethane	SW846-8260B	<20	ug/kg	11/05/04
1,1-Dichloropropene	SW846-8260B	<20	ug/kg	11/05/04
Carbon Tetrachloride	SW846-8260B	<20	ug/kg	11/05/04
Benzene	SW846-8260B	<20	ug/kg	11/05/04
1,2-Dichloroethane	SW846-8260B	<20	ug/kg	11/05/04
Trichloroethene	SW846-8260B	<20	ug/kg	11/05/04
1,2-Dichloropropane	SW846-8260B	<20	ug/kg	11/05/04
Dibromomethane	SW846-8260B	<20	ug/kg	11/05/04
Bromodichloromethane	SW846-8260B	<20	ug/kg	11/05/04
cis-1,3-Dichloropropene	SW846-8260B	<20	ug/kg	11/05/04
Toluene	SW846-8260B	681	ug/kg	11/05/04
trans-1,3-Dichloropropene	SW846-8260B	<20	ug/kg	11/05/04
1,1,2-Trichloroethane	SW846-8260B	<20	ug/kg	11/05/04
Tetrachloroethene	SW846-8260B	<20	ug/kg	11/05/04
1,3-Dichloropropane	SW846-8260B	<20	ug/kg	11/05/04
Dibromochloromethane	SW846-8260B	<20	ug/kg	11/05/04
1,2-Dibromoethane	SW846-8260B	<20	ug/kg	11/05/04
Chlorobenzene	SW846-8260B	<20	ug/kg	11/05/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP2D-Weld Shop Charac

H.E.S.#: 041027A04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
1,1,1,2-Tetrachloroethane	SW846-8260B	<20	ug/kg	11/05/04
Ethylbenzene	SW846-8260B	54	ug/kg	11/05/04
m-Xylene/p-Xylene	SW846-8260B	112	ug/kg	11/05/04
o-Xylene	SW846-8260B	92	ug/kg	11/05/04
Styrene	SW846-8260B	<20	ug/kg	11/05/04
Bromoform	SW846-8260B	<20	ug/kg	11/05/04
Isopropylbenzene	SW846-8260B	<20	ug/kg	11/05/04
Bromobenzene	SW846-8260B	<20	ug/kg	11/05/04
1,1,2,2-Tetrachloroethane	SW846-8260B	<20	ug/kg	11/05/04
1,2,3-Trichloropropane	SW846-8260B	<20	ug/kg	11/05/04
n-Propylbenzene	SW846-8260B	<20	ug/kg	11/05/04
2-Chlorotoluene	SW846-8260B	<20	ug/kg	11/05/04
4-Chlorotoluene	SW846-8260B	<20	ug/kg	11/05/04
1,3,5-Trimethylbenzene	SW846-8260B	65	ug/kg	11/05/04
p-Isopropyltoluene	SW846-8260B	<20	ug/kg	11/05/04
1,2,4-Trimethylbenzene	SW846-8260B	35	ug/kg	11/05/04
sec-Butylbenzene	SW846-8260B	<20	ug/kg	11/05/04
1,3-Dichlorobenzene	SW846-8260B	<20	ug/kg	11/05/04
tert-Butylbenzene	SW846-8260B	<20	ug/kg	11/05/04
1,4-Dichlorobenzene	SW846-8260B	<20	ug/kg	11/05/04
1,2-Dichlorobenzene	SW846-8260B	<20	ug/kg	11/05/04
n-Butylbenzene	SW846-8260B	<20	ug/kg	11/05/04
1,2-Dibromo-3-chloropropane	SW846-8260B	<20	ug/kg	11/05/04
1,2,4-Trichlorobenzene	SW846-8260B	<20	ug/kg	11/05/04
Hexachlorobutadiene	SW846-8260B	<20	ug/kg	11/05/04
Naphthalene	SW846-8260B	40	ug/kg	11/05/04
1,2,3-Trichlorobenzene	SW846-8260B	<20	ug/kg	11/05/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP2D-Weld Shop Charac

MATRIX: Soil

H.E.S.#: 041027A04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Naphthalene	SW846-8270C	<344	ug/kg	11/24/04
Acenaphthene	SW846-8270C	<344	ug/kg	11/24/04
Fluorene	SW846-8270C	<344	ug/kg	11/24/04
Phenanthrene	SW846-8270C	<344	ug/kg	11/24/04
Anthracene	SW846-8270C	<344	ug/kg	11/24/04
Fluoranthene	SW846-8270C	<344	ug/kg	11/24/04
Pyrene	SW846-8270C	<344	ug/kg	11/24/04
Benzo (a) anthracene	SW846-8270C	<344	ug/kg	11/24/04
Chrysene	SW846-8270C	<344	ug/kg	11/24/04
Benzo (b) fluoranthene	SW846-8270C	<344	ug/kg	11/24/04
Benzo (k) fluoranthene	SW846-8270C	<344	ug/kg	11/24/04
Benzo (a) pyrene	SW846-8270C	<344	ug/kg	11/24/04
Indeno (1,2,3-CD) pyrene	SW846-8270C	<344	ug/kg	11/24/04
Dibenz (a,h) anthracene	SW846-8270C	<344	ug/kg	11/24/04
Benzo (g,h,i) perylene	SW846-8270C	<344	ug/kg	11/24/04
Non-Target Peaks		Positive		

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP2D-Weld Shop Charac

MATRIX: Soil

H.E.S.#: 041027A04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Arsenic	SW846-7060A	2.0	mg/kg	11/23/04
Barium	SW846-7080A	32	mg/kg	11/19/04
Cadmium	SW846-7130	2.0	mg/kg	11/19/04
Chromium	SW846-7190	5.6	mg/kg	11/19/04
Lead	SW846-7420	33	mg/kg	11/19/04
Mercury	SW846-7471A	<0.05	mg/kg	11/17/04
Selenium	SW846-7740	<0.26	mg/kg	11/23/04
Silver	SW846-7760A	2.4	mg/kg	11/29/04
Total Solid	EPA 160.3	96	%	11/22/04
Ethylene Glycol	SW846-8015B	<52	mg/kg	12/09/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION:TP2D-Weld Shop Charac
H.E.S.#: 041027A04(Continued)

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
Aldrin	SW846-8081	<1.8	ug/kg	11/08/04
α-BHC	SW846-8081	<1.8	ug/kg	11/08/04
β-BHC	SW846-8081	<1.8	ug/kg	11/08/04
δ-BHC	SW846-8081	<5.4	ug/kg	11/08/04
γ-BHC	SW846-8081	<3.6	ug/kg	11/08/04
Chlordane	SW846-8081	<5.4	ug/kg	11/08/04
4,4'-DDD	SW846-8081	<3.6	ug/kg	11/08/04
4,4'-DDE	SW846-8081	<43	ug/kg	11/08/04
4,4'-DDT	SW846-8081	<1.8	ug/kg	11/08/04
Dieldrin	SW846-8081	<3.6	ug/kg	11/08/04
Endosulfan I	SW846-8081	<1.8	ug/kg	11/08/04
Endosulfan II	SW846-8081	<1.8	ug/kg	11/08/04
Endosulfan sulfate	SW846-8081	<3.6	ug/kg	11/08/04
Endrin	SW846-8081	<17	ug/kg	11/08/04
Endrin aldehyde	SW846-8081	<5.6	ug/kg	11/08/04
Heptachlor	SW846-8081	<1.8	ug/kg	11/08/04
Heptachlor epoxide	SW846-8081	<1.8	ug/kg	11/08/04
Methoxychlor	SW846-8081	<5.6	ug/kg	11/08/04
Toxaphene	SW846-8081	<174	ug/kg	11/08/04
PCB's	SW846-8082	<0.2	mg/kg	11/08/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: TP2D-Weld Shop-Conf
MATRIX: Soil
LOCATION: Keeseville, NY
H.E.S.#: 041027A05

DATE SAMPLED: 10/26/04
TIME SAMPLED: 13:10
DATE SAMPLE RECD: 10/27/04
TYPE SAMPLE: Composite & Grab
SAMPLER: K.Adams/ESPC

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8260B	<19	ug/kg	11/08/04
Chloromethane	SW846-8260B	<19	ug/kg	11/08/04
Vinyl chloride	SW846-8260B	<19	ug/kg	11/08/04
Chloroethane	SW846-8260B	<19	ug/kg	11/08/04
Bromomethane	SW846-8260B	<19	ug/kg	11/08/04
Trichlorofluoromethane	SW846-8260B	<19	ug/kg	11/08/04
1,1-Dichloroethene	SW846-8260B	<19	ug/kg	11/08/04
Methylene chloride	SW846-8260B	<19	ug/kg	11/08/04
trans-1,2-Dichloroethene	SW846-8260B	<19	ug/kg	11/08/04
1,1-Dichloroethane	SW846-8260B	<19	ug/kg	11/08/04
2,2-Dichloropropane	SW846-8260B	<19	ug/kg	11/08/04
cis-1,2-Dichloroethene	SW846-8260B	<19	ug/kg	11/08/04
Bromochloromethane	SW846-8260B	<19	ug/kg	11/08/04
Chloroform	SW846-8260B	<19	ug/kg	11/08/04
1,1,1-Trichloroethane	SW846-8260B	<19	ug/kg	11/08/04
1,1-Dichloropropene	SW846-8260B	<19	ug/kg	11/08/04
Carbon Tetrachloride	SW846-8260B	<19	ug/kg	11/08/04
Benzene	SW846-8260B	<19	ug/kg	11/08/04
1,2-Dichloroethane	SW846-8260B	<19	ug/kg	11/08/04
Trichloroethene	SW846-8260B	<19	ug/kg	11/08/04
1,2-Dichloropropane	SW846-8260B	<19	ug/kg	11/08/04
Dibromomethane	SW846-8260B	<19	ug/kg	11/08/04
Bromodichloromethane	SW846-8260B	<19	ug/kg	11/08/04
cis-1,3-Dichloropropene	SW846-8260B	<19	ug/kg	11/08/04
Toluene	SW846-8260B	833	ug/kg	11/08/04
trans-1,3-Dichloropropene	SW846-8260B	<19	ug/kg	11/08/04
1,1,2-Trichloroethane	SW846-8260B	<19	ug/kg	11/08/04
Tetrachloroethene	SW846-8260B	<19	ug/kg	11/08/04
1,3-Dichloropropane	SW846-8260B	<19	ug/kg	11/08/04
Dibromochloromethane	SW846-8260B	<19	ug/kg	11/08/04
1,2-Dibromoethane	SW846-8260B	<19	ug/kg	11/08/04
Chlorobenzene	SW846-8260B	<19	ug/kg	11/08/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP2D-Weld Shop Conf

H.E.S.#: 041027A05 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
1,1,1,2-Tetrachloroethane	SW846-8260B	<19	ug/kg	11/08/04
Ethylbenzene	SW846-8260B	60	ug/kg	11/08/04
m-Xylene/p-Xylene	SW846-8260B	116	ug/kg	11/08/04
o-Xylene	SW846-8260B	84	ug/kg	11/08/04
Styrene	SW846-8260B	<19	ug/kg	11/08/04
Bromoform	SW846-8260B	<19	ug/kg	11/08/04
Isopropylbenzene	SW846-8260B	<19	ug/kg	11/08/04
Bromobenzene	SW846-8260B	<19	ug/kg	11/08/04
1,1,2,2-Tetrachloroethane	SW846-8260B	<19	ug/kg	11/08/04
1,2,3-Trichloropropane	SW846-8260B	<19	ug/kg	11/08/04
n-Propylbenzene	SW846-8260B	<19	ug/kg	11/08/04
2-Chlorotoluene	SW846-8260B	<19	ug/kg	11/08/04
4-Chlorotoluene	SW846-8260B	<19	ug/kg	11/08/04
1,3,5-Trimethylbenzene	SW846-8260B	<19	ug/kg	11/08/04
p-Isopropyltoluene	SW846-8260B	<19	ug/kg	11/08/04
1,2,4-Trimethylbenzene	SW846-8260B	<19	ug/kg	11/08/04
sec-Butylbenzene	SW846-8260B	<19	ug/kg	11/08/04
1,3-Dichlorobenzene	SW846-8260B	<19	ug/kg	11/08/04
tert-Butylbenzene	SW846-8260B	<19	ug/kg	11/08/04
1,4-Dichlorobenzene	SW846-8260B	<19	ug/kg	11/08/04
1,2-Dichlorobenzene	SW846-8260B	<19	ug/kg	11/08/04
n-Butylbenzene	SW846-8260B	<19	ug/kg	11/08/04
1,2-Dibromo-3-chloropropane	SW846-8260B	<19	ug/kg	11/08/04
1,2,4-Trichlorobenzene	SW846-8260B	<19	ug/kg	11/08/04
Hexachlorobutadiene	SW846-8260B	<19	ug/kg	11/08/04
Naphthalene	SW846-8260B	<19	ug/kg	11/08/04
1,2,3-Trichlorobenzene	SW846-8260B	<19	ug/kg	11/08/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Perry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers

SAMPLE DESCRIPTION: TP2D-Weld Shop Conf

H.E.S.#: 041027A05 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Cadmium	SW846-7130	1.3	mg/kg	12/17/04
Chromium	SW846-7190	5.5	mg/kg	12/17/04
Lead	SW846-7420	46	mg/kg	12/17/04
Total Solids	EPA 160.3	94	%	11/22/04

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northern Car Crushers
SAMPLE DESCRIPTION: Weld Shop Site
MATRIX: Soil
LOCATION: Keeseville, NY
H.E.S.#: 041028U06

DATE SAMPLED: 10/27/04
TIME SAMPLED: 1200
DATE SAMPLE RECD: 10/28/04
TYPE SAMPLE: Composite
SAMPLER: K.Adams/ESPC

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
Aldrin	SW846-8081	<1.8	ug/kg	11/24/04
α-BHC	SW846-8081	<1.8	ug/kg	11/24/04
β-BHC	SW846-8081	<1.8	ug/kg	11/24/04
δ-BHC	SW846-8081	<5.2	ug/kg	11/24/04
γ-BHC	SW846-8081	<3.5	ug/kg	11/24/04
Chlordane	SW846-8081	<5.2	ug/kg	11/24/04
4,4'-DDD	SW846-8081	<3.5	ug/kg	11/24/04
4,4'-DDE	SW846-8081	<42	ug/kg	11/24/04
4,4'-DDT	SW846-8081	<1.8	ug/kg	11/24/04
Dieldrin	SW846-8081	<3.5	ug/kg	11/24/04
Endosulfan I	SW846-8081	<1.8	ug/kg	11/24/04
Endosulfan II	SW846-8081	<1.8	ug/kg	11/24/04
Endosulfan sulfate	SW846-8081	<3.5	ug/kg	11/24/04
Endrin	SW846-8081	<17	ug/kg	11/24/04
Endrin aldehyde	SW846-8081	<5.2	ug/kg	11/24/04
Heptachlor	SW846-8081	<1.8	ug/kg	11/24/04
Heptachlor epoxide	SW846-8081	<1.8	ug/kg	11/24/04
Methoxychlor	SW846-8081	<5.2	ug/kg	11/24/04
Toxaphene	SW846-8081	<167	ug/kg	11/24/04
PCB's	SW846-8082	<0.2	mg/kg	11/24/04
Total Solids	EPA 160.3	96	%	11/22/04

HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Road, South Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., South Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CHAIN OF CUSTODY RECORD/ Lab Work Request

Client: Northern Car Crushers (N.C.C.)
Client Contact/Person #: Kate Adams / ESPC ph#(802) 857-0105
Project Location: Keeseville, NY
Purchase Order:
HES Contact: Buddy Beams

Mail Address: PO Box 385
Keeseville NY
Attn. George Moore,
Phone #: (518) 834-7817

HES Use Only Lab ID	Sample ID / Description	Date Collected	TIME A=a.m. P=p.m.		SAMPLE TYPE C=Composite G=Grab MATRIX	C	G	# Conts.	ANALYSIS REQUIRED
A 24028404	TP 1D	10/27/04	1200	A/P	GW		X	1-1L.	SVOC (stars)
B	TP 1D	10/27/04	1200	A/P	GW		X	1	RCRA (8)
C	TP 1D	10/27/04	1200	A/P	GW		X	1	Ethylene glycol
(DE)	TP 1D	10/28/04	1000	A/P	GW		X	2-40mL	VOCs (stars)
(AD) 405	TP 1D - Dup	10/28/04	1000	A/P	GW		X	2-40mL	VOCs (stars)
				A/P					
406	Weld Shop Site	10/27/04	1200	A/P	S	X		1	PCBs, Pesticides
				A/P					

Matrix
S - Soil, SE - Sediment, O - Solid, SL - Sludge, O - Oil, DW - Drinking Water, GW - Ground Water, SW - Surface Water, L - Leachate, A - Air, WI - Wipe, DS - Drum Solids, DL - Drum Liquids, X - Other, WW - Waste Water

Special Instructions:

Sampled by: (Signature) Kate Adams	Date/Time 10/27 to 10/28/04	Received by: (Signature)	Date/Time
Relinquished by: (Signature) Kate Adams	Date/Time 10/28/04 1330	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dispatched by: (Signature)	Method of Shipment:		Date/Time
Received @ Laboratory: Pam Brown	Date/Time 10/28/04 1:40 pm 5:20 pm	Turnaround Time: Normal	Lab Approval:

WHITE - Lab Copy
YELLOW - Sampler Copy
PINK - Generator Copy

HES Use Only

Samples Were:
1. Shipped or Hand Delivered
NOTES:

2. Ambient or Chilled
NOTES:

3. Received Broken/ Leaking (Improperly Sealed) Y N
NOTES:

4. Properly Preserved Y N
NOTES:

5. Received Within Holding Times Y N
NOTES:

COC Tape Was:
1. Present on Outer Package Y N
2. Unbroken on Outer Package Y N
3. Present on Sample Y N
4. Unbroken on Sample Y N
NOTES:

COC Record Was:
1. Present upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Road, South Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., South Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CHAIN OF CUSTODY RECORD/ Lab Work Request

Client: Northern Car Crushers
Client Contact/Person #: KateAdams/ ESPC ph# (802) 857-0105
Project Location: Keeseville, NY
Purchase Order:
HES Contact: Buddy Beams

Mail Address: PO Box 385
Keeseville NY 12944
ATTN George Moore
Phone #: (518) 834-7817

HES Use Only Lab ID	Sample ID / Description	Date Collected	TIME A=a.m. P=p.m.	SAMPLE TYPE C=Composite G=Grab MATRIX	C	G	# Conts.	ANALYSIS REQUIRED
041027 (A) A04	TP2D - WeldShop - Charac	10/26/04	1030 (A) P	Soil		X	1-16oz	SVOCs (Stars), (8) RCRA, Ethylene Glycol
(A) A05	TP2D - WeldShop - Conf	10/26/04	1330 A (P)	S	X	X	1-16oz	SVOCs (Stars)*, (8) RCRA*, Ethylene Glycol**
(B) A04	TP2D - WeldShop - Charac	10/26/04	1030 (A) P	S	X		1-16oz	PCBs**, Pesticides**
(C)	TP2D Charac	10/26/04	1030 (A) P	S		X	1-40mL	VOC (Stars)
(B) A05	TP2D Conf	10/26/04	13:10 (P)	S		X	1-40mL	VOC (Stars)*
			A P					
A06	TP5A - Conf	10/25/04	11:40 (A) P	S		X	1-40mL	VOC (stars)*
A07	TP5A - Charac	10/25/04	11:40 (A) P	S		X	1-40mL	VOC (stars)

Matrix
S - Soil, SE - Sediment, SO - Solid, SL - Sludge, O - Oil, DW - Drinking Water, GW - Ground Water, SW - Surface Water, L - Leachate, A - Air, WI - Wipe, DS - Drum Solids, DL - Drum Liquids, X - Other, WW - Waste Water

Special Instructions:
* Run samples only if analyte in charac. sample was > detect
** Run samples only if analyte in site charac. sample was > detect

Sampled by: (Signature) Kate Adams	Date/Time 10/26/04 1030	Received by: (Signature) Cam Bjorn	Date/Time 10/26/04 4:20pm
Relinquished by: (Signature) Kate Adams	Date/Time 10/26/04 1600	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dispatched by: (Signature)	Method of Shipment: HES P/U		Date/Time
Received @ Laboratory: Cam Bjorn	Date/Time: 10/26/04 5:30PM	Turnaround Time: Normal	Lab Approval:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

HES Use Only

Samples Were:
1. Shipped or Hand Delivered
NOTES:

2. Ambient or Chilled
NOTES: 5

3. Received Broken/ Leaking (Improperly Sealed)
Y (N)
NOTES:

4. Properly Preserved
NOTES: (Y) N

5. Received Within Holding Times
(Y) N
NOTES:

COC Tape Was:
1. Present on Outer Package Y N
2. Unbroken on Outer Package Y N
3. Present on Sample Y N
4. Unbroken on Sample Y N
NOTES:

COC Record Was:
1. Present upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Road, South Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., South Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CHAIN OF CUSTODY RECORD/ Lab Work Request

DUPLICATE

Client: NORTHERN CAR CRUSHERS
Client Contact/Person #: ERIK SANDBLOM/ESPL 802-383-0486
Project Location: KEESEVILLE, NY
Purchase Order:
HES Contact: BUDDY BEAMS

Mail Address: PO BOX 385 Keeseville, NY 12944 ATTN: GEORGE MOORE
Phone #:
PLS send results to ESPL fax # 802-383-0490

HES Use Only Lab ID	Sample ID / Description	Date Collected	TIME A=a.m. P=p.m.		SAMPLE TYPE C=Composite G=Grab: MATRIX	C	G	# Conts.	ANALYSIS REQUIRED
	TP-5C CHARACTERIZATION	12/8/04	0853	A/P	S		X	2-VOA 1-16oz	ETHYLENE GLYCOL VOC STARS, SVOC STARS, RCRA 8 METALS
	TP-1D Confirmatory		1355	A/P	GW		X	2-VOA 2-40z	
	TP-1C Characterization		1425	A/P	S		X	2-VOA 2-16oz	
	TP-2C Characterization		1436	A/P	S		X		
	TP-3C Characterization		1457	A/P	S		X		
	TP-4C Characterization		1512	A/P	S		X		
	TP-6C Characterization		1536	A/P	S		X		☆ ☆
	PINE STREET COMPOSITE	☆	1605	A/P	S	X		1-16oz	PCBs / Pesticides

Matrix: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; O - Oil; DW - Drinking Water; GW - Ground Water; SW - Surface Water; L - Leachate; A - Air; WI - Wipe; DS - Drum Solids; DL - Drum Liquids; X - Other; WW - Waste Water

Special Instructions:

Sampled by: (Signature)	Date/Time 12/8/04 1640	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time 12/8/04 1750	Received by: (Signature)	Date/Time 12/9/04 8:05
Relinquished by: (Signature)	Date/Time 12/9/04 1630	Received by: (Signature)	Date/Time 12/9/04 1630
Dispatched by: (Signature)	Method of Shipment:		Date/Time
Received @ Laboratory:	Date/Time	Turnaround Time:	Lab Approval:

HES Use Only

Samples Were:
1. Shipped or Hand Delivered NOTES:
2. Ambient or Chilled NOTES:
3. Received Broken/ Leaking (Improperly Sealed) Y N NOTES:
4. Properly Preserved NOTES: Y N
5. Received Within Holding Times Y N NOTES:

COC Tape Was:
1. Present on Outer Package Y N
2. Unbroken on Outer Package Y N
3. Present on Sample Y
4. Unbroken on Sample NOTES: Y N

COC Record Was:
1. Present upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N NOTES:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Appendix E

Historical Analytical Laboratory Reports

CHAMPLAIN LABORATORIES

14 Healey Ave.
PLATTSBURGH, NY 12901 (518) 563 -1720

Client:

Name: George Moore Truck & Equipment Corporation

Address:

Sample Location: Route 9 Keeseville, N.Y. 12944

Attention: George Moore

Date & Time Samples Collected 5/10/95
Collected By:
Date & Time Samples Received 5/12/95
Received By: RH
Date & Time Tests Started:
Client's Telephone # 834-7571
Client's Account # GE-7571
Work Requested By:

(SAMPLE INFORMATION) 5 composites samples for Total Petroleum Hydrocarbons
2 composite samples for EPA 8021

LAB NO	SAMPLING LOCATION	TESTS	RESULTS
132A	Composite 132-09 & 132-10	TPH	43.6 mg/kg
132B	Composite 132-08 & 132-11	TPH	41.7 mg/kg
132C	Composite 132-07 & 132-12	TPH	191.0 mg/kg
132D	Composite 132-06 & 132-13	TPH	40.1 mg/kg
132E	Composite 132-14 & 132-15	TPH	40.3 mg/kg
			ND <12.5 ug/kg
132F	Composite 132-06, 132-07, 132-09, 132-11, 132-15	EPA 8021	
132G	Composite 132-08, 132-10, 132-12, 132-13, 132-14	EPA 8021	ND
			cis-1,2-dichloroethene 31 ug/kg

Lab Director 1/19 date

TC = Total Coliform Bacteria
FC = Fecal Coliform Bacteria
LT = Less Than
Est = Estimated

TPH - $80/sample EPA 8021 - $120/sample

CHAMPLAIN LABORATORIES

14 Healey Ave.
PLATTSBURGH, NY 12901 (518) 563 -1720

Client:

Name: George Moore Truck & Equipment Corp.

Address: Route 9

Sample Location: Keeseville, NY 12944

Attention: George Moore

Date & Time Samples Collected 5-10-95
Collected By:
Date & Time Samples Received 5-12-95
Received By: RH
Date & Time Tests Started:
Client's Telephone # 518-834-7571
Client's Account # GE-7571
Work Requested By:

(SAMPLE INFORMATION)

LAB NO.	SAMPLING LOCATION	TESTS	RESULTS
132-06-50	250' from back of garage 5' down		
132-07-50	Behind garage cement pad down 5'		
132-08-50	250' behind storage building and 24" down 5/10/95		
132-09-50	5/10/95 200' from south line 700' from main road 5' down next to woods		

Lab Director / /19 date

TC = Total Coliform Bacteria
FC = Fecal Coliform Bacteria
LT = Less Than
Est = Estimated

ANALYTICAL REQUEST & REPORT CONTINUED FROM PAGE 1

ALSN

SAMPLE INFORMATION			TESTS	RESULTS
Lab No.	Client No.	Description		
132-10-50		5/10/95 200" from south line 700' from main road 24" down-next to woods		
132-11-50		5/10/95 250' behind storage building - 5' down		
132-12-50		Behind garage cement pad Down 24" 5/10/95		
132-13-50		250' from back of garage & 24" Down		
132-14-50		20' from south line & 400' back from main road 24" Down 5/10/95		
132-15-50		20' from south line & 400' back from main road 5' down 5/10/95	↓	

ADIRONDACK LABORATORIES

Director

General Information

Illness involved?

Source of sample:

Source treated?

If yes, how?

Other information:

AL9804

Composite 132-01 & 132-10

Composite 132-08 & 132-11

Composite 132-07 & 132-12

Composite 132-06 & 132-13

Composite 132-14 & 132-15

5 samples for Total Petroleum Hydrocarbons

Need 50-100 grams TPH - for each composite

8021

11

2 composites
5 from 24" down
5 from 5' down

EPA 8021

(1) Composite 132-06, 132-07, 132-09, 132-11, and 132-15

(2) Composite 132-08, 132-10, 132-12, 132-13, and 132-14

CHAMPLAIN LABORATORIES

14 Healey Avenue
Plattsburgh, New York 12901
Phone: (518)563-1720

PURCHASE ORDER

Account No.: GE-7571 Date: 5/16/95

Source: George Moore

Contracted Lab: F.L.I.

Champlain Lab No.	Type Of Sample	Test(s) Required	Date and Time Sample Collected
132A	SOIL	TOTAL PETROLEUM HYDROCARBONS	5/10/95
132B	SOIL	TOTAL PETROLEUM HYDROCARBONS	↓
132C	SOIL	TOTAL PETROLEUM HYDROCARBONS	
132D	SOIL	TOTAL PETROLEUM HYDROCARBONS	
132E	SOIL	TOTAL PETROLEUM HYDROCARBONS	
132F	SOIL	EPA 8021	
132G	SOIL	EPA 8021	
		BT X	
		Oil & Grease	
		Mercury	
		% Solids	
		Nitrate	
		Nitrite	
		Turbidity	
		POC's & Vinyl Chloride	
		VOCs	
		SOCs/Group I or II	

CHAMPLAIN LABORATORIES

14 Healey Avenue
Plattsburgh, New York 12901
Phone: (518) 563-1720

Certification No. 11531/10252 PAGE 1 OF 5

Acc't No. GE-7571

ALSN: 132A thru 132G - Soil Samples
5 composite samples for Total Petroleum Hydrocarbons
2 composite samples for EPA 8021

Client: George Moore Truck & Equipment Corporation
Route 9
Keeseville, New York 12944

DATE SAMPLE COLLECTED: 5-10-95
DATE SAMPLE RECEIVED: 5-12-95

LOCATION	TEST	RESULTS
200' from south line 700' from main road 2' & 5' down - next to woods	TPH	43.6 mg/kg
250' behind storage building 2' & 5' down	TPH	41.7 mg/kg
Behind garage cement pad 2' & 5' down	TPH	191.0 mg/kg
250' from back of garage 2' & 5' down.	TPH	40.1 mg/kg
20' from south line 400' back from main road 2' & 5' down	TPH	40.3 mg/kg

ALSN: 192F

METHOD: EPA 8021

LOCATION	TARGET ANALYTES	RESULTS(mg/kg)
All locations 5' down	Dichlorodifluoromethane	ND < 12.5
	Chloromethane	ND < 12.5
	Vinyl Chloride	ND < 12.5
	Bromomethane	ND < 12.5
	Chloroethane	ND < 12.5
	Trichlorofluoromethane	ND < 12.5
	1,1-Dichloroethene	ND < 12.5
	Methylene Chloride	ND < 12.5
	trans-1,2-Dichloroethene	ND < 12.5
	1,1-Dichloroethane	ND < 12.5
	2,2-Dichloropropane	ND < 12.5
	cis-1,2-Dichloroethene	31
	Bromochloromethane	ND < 12.5
	Chloroform	ND < 12.5
	1,1,1-Trichloroethane	ND < 12.5
	Carbon Tetrachloride	ND < 12.5
	1,1-Dichloropropene	ND < 12.5
	Benzene	ND < 12.5
	1,2-Dichloroethane	ND < 12.5
	Trichloroethene	ND < 12.5
	1,2-Dichloropropane	ND < 12.5
	Dibromomethane	ND < 12.5
	Bromodichloromethane	ND < 12.5
	2-Chloroethylvinylether	ND < 12.5
	cis-1,3-Dichloropropene	ND < 12.5
	Toluene	ND < 12.5
	trans-1,3-Dichloropropene	ND < 12.5
	1,1,2-Trichloroethane	ND < 12.5
	Tetrachloroethene	ND < 12.5
	1,3-Dichloropropane	ND < 12.5
	Dibromochloromethane	ND < 12.5
	1,2-Dibromoethane (EDB)	ND < 12.5
	Chlorobenzene	ND < 12.5
	1,1,1,2-Tetrachloroethane	ND < 12.5
	Ethylbenzene	ND < 12.5
	p-Xylene/m-Xylene	ND < 12.5
	o-Xylene	ND < 12.5
	Styrene	ND < 12.5
	Bromoform	ND < 12.5
	Isopropylbenzene	ND < 12.5
	Bromobenzene	ND < 12.5
	1,1,2,2-Tetrachloroethane	ND < 12.5
	1,2,3-Trichloropropane	ND < 12.5
	n-Propylbenzene	ND < 12.5
	2-Chlorotoluene	ND < 12.5
	4-Chlorotoluene	ND < 12.5
	1,3,5-Trimethylbenzene	ND < 12.5
	tert-Butylbenzene	ND < 12.5
	1,2,4-Trimethylbenzene	ND < 12.5

ALSN: 132F

METHOD: EPA 8021

LOCATION	TARGET ANALYTES	RESULTS(mg/kg)
All locations 5 feet down	sec-Butylbenzene	ND < 12.5
	1,3-Dichlorobenzene	ND < 12.5
	1,4-Dichlorobenzene	ND < 12.5
	4-Isopropyltoluene	ND < 12.5
	1,2-Dichlorobenzene	ND < 12.5
	n-Butylbenzene	ND < 12.5
	1,2-Dibromo-3-chloropropane	ND < 12.5
	Surrogate Recovery (%)	
	PID	83
	ELCD	73
	1,2,4-Trichlorobenzene	ND < 12.5
	Hexachlorobutadiene	ND < 12.5
	Naphthalene	ND < 12.5
	1,2,3-Trichlorobenzene	ND < 12.5
	Surrogate Recovery (%)	
	PID	86
	ELCD	70

> = Greater than
< = Less than

Approved by: [signature] signing for Rachel Hawkins on: 6/16/95

Additional Site Investigation and Soil Remediation Work Plan

May 08, 2006

Site Location:
Four Facilities Operated by
Northern Car Crushers, Inc.:
1) Main Office, Route 9, Keeseville
2) Weld Shop, Route 9, Keeseville
3) Scrap Yard, Grove Street, Keeseville
4) Trailer Yard, Pine Street, Keeseville

Prepared For:
Northern Car Crushers, Inc.
1823 Route 9
North Ausable Road
P.O. Box 385
Keeseville, New York 12944

Project #20041039

Prepared By:

ESPC
civil and environmental engineering
1785 Military Turnpike, Suite 13 • Plattsburgh, NY 12901
p:518-563-9445 • f:518-563-5189
email info@espc-consulting.com • web www.espc-consulting.com

TABLE OF CONTENTS

APPENDICIES

1.0 Introduction / Background

This Work Plan provides the scope and rationale for tasks required to conduct additional site investigation and / or remediation at four (4) facilities operated by Northern Car Crushers in Keeseville, New York. The four sites are known as (1) the Main Office facility on Route 9, (2) the Weld Shop facility on Route 9, (3) the Scrap Yard facility off of Grove Street, and (4) the Trailer Yard facility on Pine Street.

A preliminary site investigation was completed at each of the four sites by Erik Sandblom, PC (ESPC) in 2004 and 2005 which is reported in four individual Site Investigation Reports, all dated January 31, 2005. The Preliminary Site Investigations were conducted to investigate alleged spills at the sites identified by the New York State Department of Environmental Conservation (NYSDEC). The preliminary investigations were conducted in accordance with a Work Plan for the site dated June 15, 2004 and revised August 11, 2004 and modified by a letter to Mr. Richard Wagner of the NYSDEC from Mr. Erik Sandblom dated September 27, 2004, as well as in accordance with previous correspondence including NYSDEC's letter dated October 27, 2003 and correspondence from NCC's counsel dated April 5, 2004.

Results of the Preliminary Site Investigations are summarized in subsequent sub-sections of this Work Plan. Detailed site descriptions, investigation results, and analysis of potential receptors are provided in the individual Preliminary Site Investigation Reports.

Although the Preliminary Site Investigation Reports were submitted to the NYSDEC in January of 2005, no formal response to the reports has been provided. Representatives of the NYSDEC expressed the need to conduct additional investigation at a meeting at NYSDEC offices on June 28, 2005. The purpose of conducting additional site investigation work at the four sites is in response to the NYSDEC's verbal comments regarding the preliminary investigations, to further evaluate potential risk of residual petroleum constituents in the subsurface at some of the sites, and to follow through with the recommendations presented in the preliminary site investigation reports.

Specific work elements are described in detail in Section 2.0 of this document. Generally work will include the implementation of remediation plans for soil stockpiles located at each of the four facilities, and additional investigation of potential residual subsurface contamination at two of the four facilities.

2.0 Work Plan Objectives, Scope, and Rationale

A separate site-specific approach and scope of investigation and / or remediation has been developed for each of the four facilities depending on actual site conditions and results of the preliminary investigation. The following sub-sections provide an approach and justification for each approach proposed for each facility, followed by a detailed description of work scope tasks. If through the conduct of the work scope tasks at any of the sites, contamination to the environment is detected or other evidence of a spill is observed, the NYSDEC will be notified within 24- hours as required by law.

2.1 Main Office Facility

2.1.1 Background

Operations at the Main Office include general administration and management, vehicle storage, and certain scrap metal storage (e.g., radiators). Five (5) specific areas of concern were identified as part of the preliminary investigation conducted at the Main Office Facility. These areas were identified due to observed stains on the ground surface or as a result of observed practices or materials stored in the vicinity and were generally dispersed across the site. Areas of concern were investigated by conducting soils testing in excavations.

Results of the investigation revealed moderate to low concentrations of petroleum-type compounds in soils, which were excavated, poly-encapsulated, and stockpiled on-site. Very low concentrations of petroleum compounds remain in some of the areas of concern, all below soil cleanup objectives to protect groundwater quality as published in NYSDEC's Technical and Administrative Guidance Memorandum #4046 (TAGM) and TCLP Alternative Guidance Value as reported in the NYSDEC Petroleum-Contaminated Soil Guidance Policy (STARS#1).

The site is underlain predominantly by coarse to fine gravel and sand stratified and generally well sorted, with some isolated areas of silt and clay. No groundwater was encountered in any of the excavations conducted at the site, although shallow bedrock was encountered in some areas and is exposed in some areas of the site. Groundwater flow direction is presumed to be to the southeast, toward the Ausable River.

2.1.2 Approach

Based on the results of the preliminary investigation, which identified low levels of soil impacts originally and no impacts to soils above standards following excavation at the areas of concern, the low level of activity at this site (i.e., primarily storage, no vehicle recycling), and minimal corresponding risk to potentially sensitive receptors, no additional site investigative measures are warranted at the Main Office. Petroleum-impacted soils stockpiled at the facility do remain, however, and a soil remediation plan (contained herein) shall be implemented as part of the scope of work for this project.

2.1.3 Soil Remediation Plan

The soils that are currently stockpiled in separate piles corresponding to the test pit location will be bio-remediated on-site. The separate piles will be combined and treated in one biopile located at the site. The biopile design and operation will generally comply with the NYSDEC STARS #2 publication entitled Biocell and Biopile Designs for Small-Scale Petroleum-Contaminated Soil Projects.

Baseline conditions in the soil will be determined by utilizing existing testing data and conducting additional testing. Baseline soil contaminant concentration levels will be established by the characterization sample analysis results from the preliminary investigation. In addition, soil pH will be measured in each of the four soil piles at the site to determine the level of lime and fertilizer that must be added to the biopile during construction. Soils will also be screened for volatile organic compounds (VOCs) with a

photo-ionization detector (PID) to determine the relative difference in soil contaminant concentrations since the preliminary investigation was completed.

Following initial testing, a biopile will be constructed in the approximate location of the existing soil piles. A double-layer, 6-mil polyethylene liner will be placed on the ground and the soil placed upon it in the shape of an elongated pile with a trapezoidal cross-section no more than four feet in height. A soil berm will be constructed around the biopile with the bottom liner extending over the top of the berm. The soil will be placed in lifts of no more that 18-inches in height and mixed with an appropriate quantity of lime and fertilizer, as determined by the initial testing, as it is put into place. At each 18-inch lift, sections of 4-inch diameter slotted PVC piping will be placed, spaced 4-feet on center, in the biopile with ends open to the atmosphere to passively aerate the biopile during treatment. Water will also be added to the soil during construction to increase moisture levels to levels desirable for bioremediation (60-70%). A layer of tires will be placed on the top of the soil biopile to allow for increased air circulation, and the entire pile will be covered with black 6-mil polyethylene liner, with holes cut to allow the PVC pipes to penetrate to the atmosphere.

Once constructed, the biopile will be monitored for moisture content on a monthly basis and un-chlorinated water added to the pile as necessary through direct application onto the soil and through the PVC aeration piping. Water will not be added to the pile whe it is frozen. Soil samples will be collected on a semi-annual basis (spring and fall) and screened with a PID for VOCs. Once VOC concentrations are less than 1.0 ppm as measured with a PID, soil samples will be collected from the soil biopile and analyzed in accordance with NYSDEC Stars Memo #1 to confirm that soil treatment is complete and the soils will be spread on-site.

2.1.4 Reporting

A summary report will be prepared for submittal to the NYSDEC following the completion of the biopile initial monitoring and construction. The report will include all initial monitoring results, biopile as-built drawings, calculations, and quantities of materials.

During the biopile operation and monitoring period, a brief summary report will be submitted on an annual basis reporting on testing results and maintenance and operations conducted during the previous year. This will occur annually from the time that the biopile construction is completed until the pile has been satisfactorily treated.

2.2 Weld Shop Facility

2.2.1 Background

Operations at the Weld Shop include vehicle and equipment maintenance and repair, and vehicle, trailer, and equipment storage. The site was formerly a construction company, and an old airstrip is located on the property. Two (2) specific areas of concern were identified as part of the preliminary investigation conducted at the Weld Shop Facility. These areas were identified due to observed stains on the ground surface. Areas of concern were investigated by conducting soils and groundwater testing in excavations. Results of the investigation revealed moderate to low concentrations of petroleum-type compounds in soils at both locations and low

concentrations in groundwater at one area of concern. Soils from both areas were excavated, poly-encapsulated, and stockpiled on-site. Low concentrations of petroleum compounds remain in the areas of concern, all below TAGM soil cleanup objectives. Two petroleum compounds (xylene and 1,2,4 – trimethylbenzene) were detected in groundwater at one of the areas slightly above groundwater standards.

The site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Groundwater that was encountered in one of the excavations was located at 9 feet below grade. Groundwater flow direction is presumed to be to the west or northwest, toward the Ausable River. Bedrock depth is unknown.

2.2.2 Approach

The results of the preliminary investigation at the Weld Shop identified low levels of soil impacts originally and no impacts to soils above cleanup standards following excavation at the areas of concern. In addition, low levels of impact were identified in groundwater. Based on soil types, groundwater depth, known minimal impact to groundwater directly at the area of concern, and distance to identified potentially sensitive receptors, the relatively low residual concentration of petroleum compounds at the site (significantly below TAGM cleanup objectives for the protection of groundwater) does not pose a significant risk of impact to receptors or of off-site migration of contaminants in excess of standards. Given this low level of risk and the low level of activity at this site (i.e., primarily storage, no vehicle recycling), no additional site investigative measures are warranted at the Weld Shop facility. Petroleum-impacted soils stockpiled at the facility do remain, however, and a soil remediation plan (contained herein) shall be implemented as part of the scope of work for this project.

2.2.3 Soil Remediation Plan

A soil remediation plan similar in scope to that proposed for the Main Office facility will be implemented at the Weld Shop. Two soil stockpiles currently exist at the Weld Shop, which will be combined for the construction of a biopile in the approximate location as the existing soil stockpiles.

2.2.4 Reporting

A summary report will be prepared for submittal to the NYSDEC following the completion of the biopile initial monitoring and construction. The report will include all initial monitoring results, biopile as-built drawings, calculations, and quantities of materials.

During the biopile operation and monitoring period, a brief summary report will be submitted on an annual basis reporting on testing results and maintenance and operations conducted during the previous year. This will occur annually from the time that the biopile construction is completed until the pile has been satisfactorily treated.

2.3 Grove Street Scrap Yard Facility

2.3.1 Background

The majority of scrap metal processed by NCC is stored at the scrap yard. Materials stored on site primarily include scrap metal, scrap vehicles, tires, batteries (under cover), and clean wood. Moderate to low concentrations of petroleum-related compounds were detected and excavated from five (5) areas of concern at the Grove Street Scrap Yard Facility. In addition, low concentrations of a solvent and a refrigerant were detected in two locations investigated that were relatively close to one another. The areas of concern were identified due to observed stains on the ground surface or as a result of observed practices or materials stored in the vicinity and were generally dispersed across the site. Soils from all five areas of investigation were poly-encapsulated and stockpiled at the site. No compounds remain at any of the five areas of concern in excess of either STARS alternative TCLP or TAGM cleanup standards, with the exception of methylene chloride and chloromethane detected in two areas close together. The detection of both of these compounds is isolated and appear to be anomalous based on the conditions in which they were detected (see Preliminary Site Investigation Report for details).

The site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. No groundwater or bedrock was encountered in any of the excavations conducted at the site. Groundwater depth is expected to be located at 30 to 40 feet below surface grade and groundwater flow is inferred to be directed to the southeast or east.

2.3.2 Approach

Additional subsurface investigation is warranted to identify whether the detections of a refrigerant and solvent in two of the areas of concern are anomalous or are in fact present at the site. Rather than target the areas of concern that were the focus of the preliminary investigation; however, it is recommended to take a site-wide approach to develop a better characterization of the overall site and to directly address NYSDEC concerns regarding potential off-site impacts. This will be accomplished by installing five groundwater monitoring wells within and at the perimeter of the site and conducting soil screening and groundwater testing. Samples from all wells will be analyzed for full-list VOCs and SVOCs.

Petroleum-impacted soils also remain stockpiled at the facility and a soil remediation plan will be implemented as part of the scope of work for this project.

2.3.3 Soil Remediation Plan

A soil remediation plan similar in scope to that proposed for the Main Office and Weld Shop facilities will be implemented at the Scrap Yard. Currently, the soil stockpiles present at the Scrap Yard are in different locations at site. One of the piles includes a small quantity of petroleum-impacted soils that were generated from the Main Office facility. All of the stockpiles will be moved and consolidated into one biopile at an acceptable location at the facility.

2.3.4 Groundwater Monitoring Well Installation

Five (5) soil borings will be advanced with the use of hollow stem auger drilling techniques. The soil borings will be installed in the locations identified on the attached Site Map in Appendix B of this document and are intended to be completed as monitoring wells. Three of the wells will serve as downgradient perimeter monitoring locations, one as an up-gradient perimeter monitoring location, and one in the vicinity of TP-4B and TP-5B to further investigate the potential presence of a solvent and a refrigerant in this area as detected in the preliminary investigation.

The indicated soil boring/monitoring well locations are approximate only. The actual locations may be adjusted in the field to avoid subsurface utilities or overhead obstructions, or other obstructions not shown on the site map, or as a result of real-time soil screening, contaminant data, or geologic data obtained during the process of soil boring installations.

During boring advancement, soil samples will be collected from at minimum five-foot intervals. Soils will be screened for VOCs with a PID and will be visually inspected for signs of impact, and soil types will be logged in detail. The monitoring wells will be advanced to at least five feet below the water table, or to refusal, whichever is encountered first.

Monitoring wells will be constructed within the soil borings with 2-inch diameter well screen and riser. For each well, an up to ten-foot length of 0.010-inch, factory slotted, PVC screen will be installed with its midpoint at the approximate groundwater elevation. The wells will be completed a minimum of three feet above grade with a schedule 40 PVC flush-threaded riser. A silica sand pack will be placed in the annulus of the well between the borehole wall and the screen to a level approximately one foot above the top of the screened interval. A bentonite seal will be placed above the sand pack, to isolate the screened interval and prevent migration of surface runoff water into the well. The wells will be completed above the ground surface with a lockable protective stick-up steel casing set in concrete. Once completed, each well will be developed by bailing. Monitoring well construction specifications will be provided in the summary report. Following drilling, each new well will be located in azimuth and elevation for inclusion on the existing Site Map.

If refusal is encountered that appears to be bedrock surface, a well will not be completed in this location. Instead, a soil sample will be collected for laboratory analysis from the point of highest VOC concentration as measured with the PID, or, if no elevated PID readings are obtained, from the soil / rock interface.

2.3.5 Groundwater Sample Collection and Flow Measurement

A minimum of one week following the completion of groundwater wells, depth to water will be measured in each well from the top of casing reference point. Liquid levels will be measured with an interface probe in order to detect any light non-aqueous phase liquid (LNAPL), if present. These data will be used to calculate the water level elevation.

The groundwater flow direction and gradient beneath the site will be determined by plotting the groundwater elevations on the Site Map and interpolating groundwater elevation contours between the monitoring well locations.

Groundwater samples will be collected from each of the site-related monitoring wells that contain sufficient water. Groundwater samples will be analyzed for full-list VOCs by EPA Method 8260 and for semi-volatile organic compounds (SVOCs) by EPA Method 8270 (base/neutral). In accordance with ESPC protocols and for quality control purposes, a duplicate sample and trip blank will also be collected and analyzed for VOCs only. Samples will be submitted under chain of custody for analysis to HES for analysis. If a soil sample is collected in lieu of installing a monitoring well, it also will be analyzed for VOCs and SVOCs by the methods indicated.

2.3.6 Reporting

A summary report will be prepared for submittal to the NYSDEC following the completion of the biopile initial monitoring and construction and receipt of laboratory analytical data. The report will include: a revised site map; an area map; soil boring logs and well construction records; a groundwater contour map; contaminant distribution information; groundwater analytical data; initial soil monitoring results, biopile as-built drawings, calculations, and quantities of materials; conclusions; and recommendations, as applicable.

During the biopile operation and monitoring period, a brief summary report will be submitted on an annual basis reporting on testing results and maintenance and operations conducted during the previous year. This will occur annually from the time that the biopile construction is completed until the pile has been satisfactorily treated.

2.4 Pine Street Trailer Yard Facility

2.4.1 Background

Operations at the Pine Street Facility include equipment maintenance and repair, and vehicle, trailer, and equipment storage. Moderate to low concentrations of petroleum compounds were detected in seven (7) areas of concern that were sampled as part of the preliminary investigation at the Pine Street Trailer Yard facility. Soil excavated from each of these areas was poly-encapsulated and stockpiled separately at the site. Soil screening results indicate that no petroleum impacts remain in any of the areas of concern; however, laboratory analytical data is not available to confirm this. Stockpiled soils are impacted with petroleum compounds; an elevated lead concentration was also detected in one of the stockpiles.

A former oil / water separator (OWS) was also permanently closed and removed from the ground as part of the preliminary investigation. The OWS closure generated black sludge and sediment from within the OWS that exhibited elevated levels of petroleum-related VOCs and SVOCs. Soil from below the OWS to near the water table exhibiting significantly lesser petroleum compound impacts was also excavated. Petroleum impacts above standards do not extend to the groundwater as indicated by a saturated soil sample collected from below the water table that exhibited very low concentrations

of toluene and naphthalene (both below TAGM cleanup levels and STARS alternative TCLP levels). Since conducting the preliminary investigation an new, properly designed, steel OWS has been installed at the site and is currently in operation.

The site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Groundwater is located approximately 14 feet below surface grade and is inferred to flow to the southeast, toward the Ausable River. No bedrock has been encountered at the site.

2.4.2 Approach

Additional investigation is warranted at the Pine Street Facility in order to confirm that the excavations conducted were successful in removing impacted soil in the areas of concern. Rather than target the specific test pit locations; however, it is recommended that a site-wide approach be taken to develop a better characterization of the overall site and to directly address NYSDEC concerns regarding potential off-site impacts. This will be accomplished by installing four groundwater monitoring wells within and at the perimeter of the site and conducting soil screening and groundwater testing. Samples from all wells will be analyzed for full-list VOCs and SVOCs.

Petroleum-impacted soils also remain stockpiled at the facility and a soil remediation plan will be implemented as part of the scope of work for this project.

2.4.3 Soil Remediation Plan

A soil remediation plan will be implemented at the Pine Street Facility in order to properly handle and treat the stockpiles of soil that were generated as part of the preliminary investigation at the site. The heavily stained soils and sludge that was excavated from within the former oil / water separator will be disposed of off site by a certified hazardous waste hauler. Given the relatively high concentrations of contaminants in the soil / sludge, it would not likely be remediated on site by a bio-pile or bio-cell within an acceptable length of time.

The soil pile excavated from Test Pit 1C exhibited elevated levels of total lead (220 – 360 ppm). The soils from this stockpile will be re-sampled and tested for lead using the toxicity characteristic leaching procedure (TCLP). Two composite soil samples will be collected from the pile consisting each of a minimum of five discrete soil samples. Depending on the results of the lead testing the soil pile will be disposed of a hazardous for the lead content or it will be treated on-site in a bio pile for the petroleum constituent that remain in the soil.

The remaining soil stockpiles will be bio-remediated on-site. The scope presented in the soil remediation plan for the Main Office, Weld Shop, and Scrap Yard Facilities will be implemented for these soil piles. The current soil stockpiles will be consolidated into one biopile in the general location of the existing stockpiles, except that the biopile will be separated from the property line by a minimum of 50-feet.

2.4.4 Groundwater Monitoring Well Installation

Four (4) soil borings will be advanced with the use of hollow stem auger drilling techniques. The soil borings will be installed in the locations identified on the attached Site Map in Appendix B of this document and are intended to be completed as monitoring wells. Three of the wells will serve as downgradient perimeter monitoring locations, and one as an up-gradient perimeter monitoring location.

The indicated soil boring/monitoring well locations are approximate only. The actual locations may be adjusted in the field to avoid subsurface utilities or overhead obstructions, or other obstructions not shown on the site map, or as a result of real-time soil screening, contaminant data, or geologic data obtained during the process of soil boring installations.

During boring advancement, soil samples will be collected from at minimum five-foot intervals. Soils will be screened for VOCs with a PID and will be visually inspected for signs of impact, and soil types will be logged in detail. The monitoring wells will be advanced to at least five feet below the water table, or to refusal, whichever is encountered first.

Monitoring well construction and location measurement will be as described in Section 2.3.4 for the Scrap Yard Facility. If refusal is encountered that appears to be bedrock surface, a well will not be completed in this location. Instead, a soil sample will be collected for laboratory analysis from the point of highest VOC concentration as measured with the PID, or, if no elevated PID readings are obtained, from the soil / rock interface.

2.4.5 Groundwater Sample Collection and Flow Measurement

A minimum of one week following the completion of groundwater wells, depth to water will be measured in each well from the top of casing reference point. Liquid levels will be measured with an interface probe in order to detect any light non-aqueous phase liquid (LNAPL), if present. These data will be used to calculate the water level elevation.

The groundwater flow direction and gradient beneath the site will be determined by plotting the groundwater elevations on the Site Map and interpolating groundwater elevation contours between the monitoring well locations.

Groundwater samples will be collected from each of the site-related monitoring wells that contain sufficient water. Groundwater samples will be analyzed for full-list VOCs by EPA Method 8260. SVOCs were not detected above standards in any of the characterization samples collected in the preliminary investigation (except at the OWS which was excavated to below standards) and will not be tested for in this investigation. In accordance with ESPC protocols and for quality control purposes, a duplicate sample and trip blank will also be collected and analyzed for VOCs. Samples will be submitted under chain of custody for analysis to HES for analysis. If a soil sample is collected in lieu of installing a monitoring well, it also will be analyzed for VOCs by the methods indicated.

2.4.6 Reporting

A summary report will be prepared for submittal to the NYSDEC following the receipt of laboratory analytical data, disposal of soils from the OWS and Test Pit 1A (if elevated lead levels are confirmed), and completion of the biopile initial monitoring and construction. The report will include: a revised site map; an area map; soil disposal manifests; soil boring logs and well construction records; a groundwater contour map; contaminant distribution information; groundwater analytical data; initial soil monitoring results, biopile as-built drawings, calculations, and quantities of materials; conclusions; and recommendations, as applicable.

During the biopile operation and monitoring period, a brief summary report will be submitted on an annual basis reporting on testing results and maintenance and operations conducted during the previous year. This will occur annually from the time that the biopile construction is completed until the pile has been satisfactorily treated.

3.0 Quality Assurance / Quality Control Protocol

All work to be completed under this work plan shall be performed by qualified individuals in accordance with applicable laws and regulations and NYSDEC guidelines. A project organizational chart is provided in Appendix C that identifies personnel and subcontractors to be utilized. The following ESPC Standard Protocols and Procedures shall be strictly adhered to in the performance of work. Copies of applicable protocols and procedures will be provided upon request.

- Jar / Polyethylene Bag Headspace Protocol
- Soil Boring Protocol (reference soil classification)
- Use and Maintenance of Mini-RAE Photoionization Detectors
- Surface / Subsurface / Stockpiled Soil Sampling Protocol
- Seepage Sampling Protocol
- Surface Water Sampling Protocol
- Drinking Water Sampling Protocol (VOCs)
- Drinking Water Sampling Protocol (inorganics)
- Sample Containerization, Preservation and Handling Procedure
- Sample Packaging Protocol

In addition to complying with the above, all laboratory reports and field data reports shall be reviewed by the Project Manager. This review will ensure that adequate field record keeping, equipment calibration, sample collection procedures, sample handling procedures and laboratory holding times, duplicate sample results, chain of custody documentation, and waste handling and disposal procedures are adequate and in accordance with requirements. All written documents including reports, letters, faxes, and electronic mail messages shall go though review by ESPC management to ensure all written materials meet high quality standards for technical content, accuracy and readability. All written documents shall be filed in a unique centralized job file. Any issues concerning quality shall immediately be brought to the attention of management and promptly addressed and if appropriate notified to the NYSDEC.

Hudson Environmental Services, Inc. (HES) will conduct sample analyses. HES is a

NELAC certified laboratory providing environmental testing services. HES is approved by the New York State Department of Health (NYSDOH) as an environmental laboratory for the analyses called for under this scope of work. HES shall work directly for Northern Car Crushers and will provide results directly to ESPC for review and distribution to relevant parties, including the NYSDEC. A copy of HES's certifications and Laboratory Quality Manual will be provided upon request.

The procedures and protocols established by ESPC and developed over the years comply with industry and state standards. It is not deemed necessary for the purposes of this work plan to develop a separate site specific Quality Assurance Project Plan (QAPP), nor assign an independent Quality Assurance Officer (QAO) for data validation. The final report will include a section that explains the validation of data, data usability, and validation qualifiers.

4.0 Health and Safety Protocol

Site specific Health and Safety Plans (HASPs) have been developed for each of the four facilities in Keeseville as part of the investigation work conducted in 2004 and 2005. These HASPs will be reviewed and modified accordingly to properly address the scope of work presented in this Work Plan. The HASPs will be implemented at the sites and will govern the safety aspects of the investigations in accordance with Occupational Safety and Health Administration (OSHA) requirements. A separate HASP will be in effect for each of the four sites. Copies of the site specific HASPs will be available at each of the corresponding facilities, and copies of all four HASPs will be provided to the Main Office. ESPC will appoint one of its 40 hour OSHA 1910.120 trained personnel as the Site Safety Officer with a backup also designated. No investigative or remedial activities will take place on the sites without a Site Safety Officer present.

5.0 Permits

ESPC will research what, if any, permits are required to allow the work elements to take place and will acquire all such permits. The only anticipated permits are from the Underground Facilities Protection Organization (UFPO), which will be acquired in accordance with NYCRR Part 753. Drilling sites will be pre-marked in accordance with UFPO requirements. ESPC will additionally coordinate with the Village of Keeseville Public Works Department as necessary and will obtain NYSDEC approval of the work plan prior to commencing work.

6.0 Schedule

The following schedule is anticipated. If the existing soil stockpiles are frozen, soil bio-pile construction will be delayed until the stockpiles are completely thawed.

Task	Weeks from Client Work Plan Approval
Soil Testing (bio-pile initial and lead at Pine St)	2 weeks

Soil Boring	3 weeks
Groundwater Sample Collection	4 weeks
Bio-Pile Construction	4-5 weeks
Report Submittal	8 weeks

7.0 References

- Spill Technology and Remediation Series (STARS) #1: *Petroleum-Contaminated Soil Guidance Policy*, New York State Department of Environmental Conservation, August, 1992.

- Technical and Administrative Guidance Memorandum #4046: *Determination of Soil Cleanup Objectives and Cleanup Levels*, New York State Department of Environmental Conservation, January 24, 1994

- *DRAFT DER-10 Technical Guidance for Site Investigation and Remediation*, New York Department of Environmental Conservation, December 25, 2002.

- *DRAFT Preliminary Site Assessments (PSA) Guidance,* New York State Department of Environmental Conservation Division of Environmental Remediation (DER) (undated).

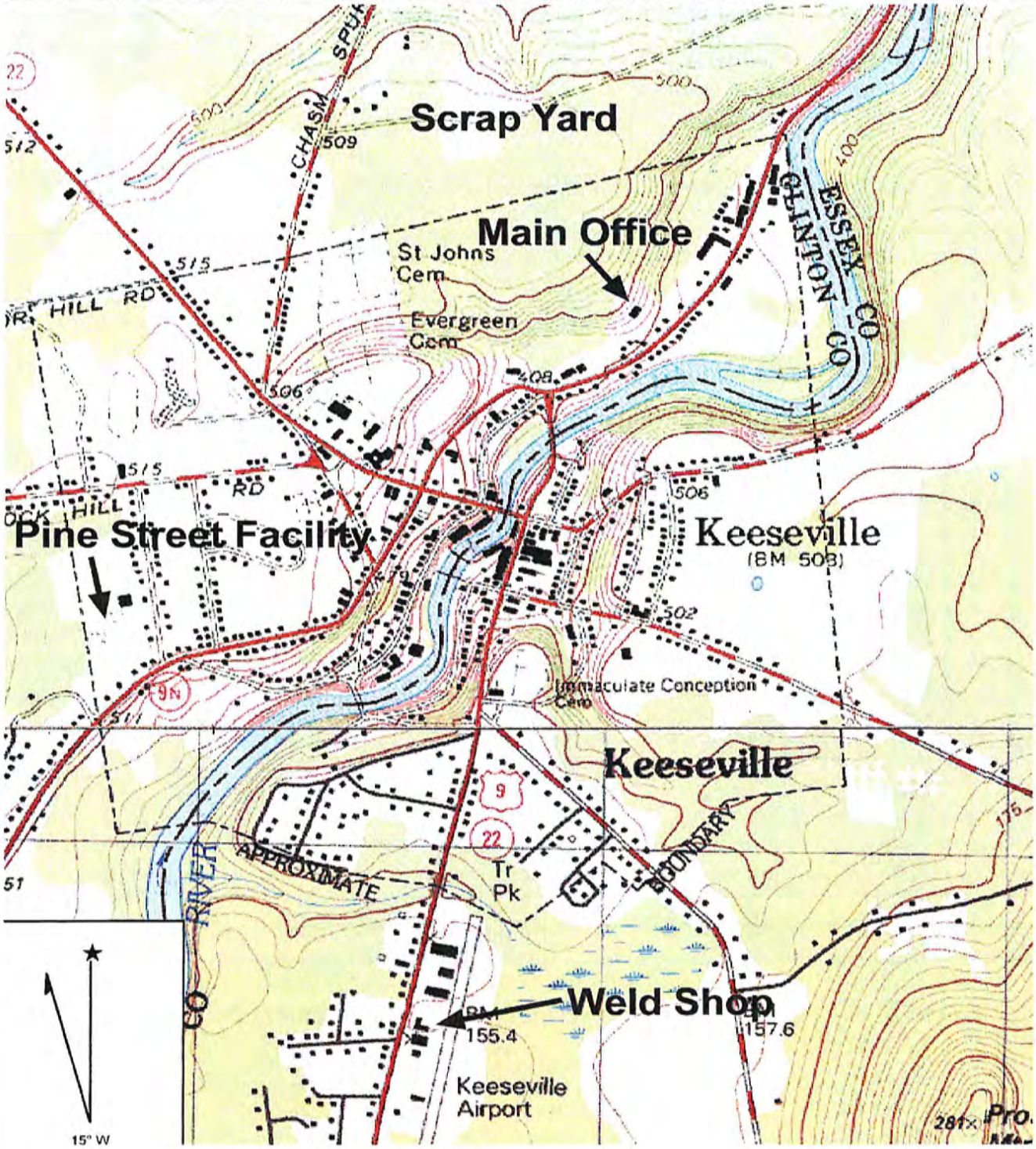
- *Draft Guidance for the Preparation of Work Plans and Reports for Site Investigations at Petroleum Spill Sites*, New York State Department of Environmental Conservation, April 29, 2004

- New York State Cyber Security and Critical Infrastructure Coordination, NYSGIS Clearinghouse, HYPERLINK "http://www.nysgis.stste.ny.us" http://www.nysgis.stste.ny.us, 30 South Pear Street, 11th Floor, Albany, NY 12207-3425

- Letter to Mr. George Moore, Northern Car Crushers, from Mr. Chris Lacombe, NYSDEC Attorney, dated October 27, 2003.

Appendix A

Site Location Map



ESPC Project 20041039

ESPC

Erik Sandblom, PC
Engineering and
Environmental Consulting
Williston, VT Plattsburgh, NY

Northern Car Crushers, Inc.
Keeseville, New York

Site Location Map
USGS Mapping

Date: 01/21/05	Drawing No. 1	Scale: 1:24000	By: ES

Appendix B

Facility Maps

Main Office ~ Northern Car Crushers
Route 9 ~ Keeseville, New York

0 0.025 0.05 0.1 0.15 0.2 0.25 Miles

N
W E
S

Legend

Test Pits

Location

- Stockpile
- TP 1A
- TP 2A
- TP 3A
- TP 4&5A
- 20' Contours

ESPC

Erik C.F. Sandblom, P.E. P.C.

Engineering and Environmental Consulting Services

Williston, VT Plattsburgh, NY

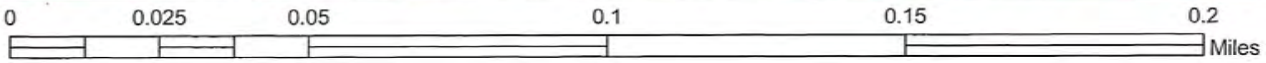
Weld Shop ~ Northern Car Crushers
Route 9 ~ Keeseville, New York

Legend

Test Pits

Location

- TP 1D
- TP 2D
- 20' Contours



ESPC

Erik C.F. Sandblom, P.E. P.C.

Engineering and Environmental Consulting Services

Williston, VT Plattsburgh, NY

Scrap Yard ~ Northern Car Crushers
Grove Street ~ Keeseville, New York

N
W E
S

Legend

Test Pits

Location

- TP 1B
- TP 2B
- TP 3B
- TP 4B
- TP 5B
- 20' Contours

ESPC
Erik C.F. Sandblom, P.E. P.C.
Engineering and Environmental Consulting Services
Williston, VT Plattsburgh, NY

GRAPHIC SCALE

100' 0 50' 100' 200' 400'

(IN FEET)
1 INCH = 100' FT

PMW PROPOSED MONITORING WELL LOCATIONS (5)

Trailer Yard ~ Northern Car Crushers
Pine Street ~ Keeseville, New York

N
W E
S

Legend

Test Pits

Location

- Soil Stockpile
- TP 1C
- TP 2C
- TP 3C
- TP 4C
- TP 5C
- TP 6C
- 20' Contours

ESPC
Erik C.F. Sandblom, P.E. P.C.
Engineering and Environmental Consulting Services
Williston, VT Plattsburgh, NY

GRAPHIC SCALE

120' 0 60' 120' 240' 480'

(IN FEET)

1 INCH = 120' FT.

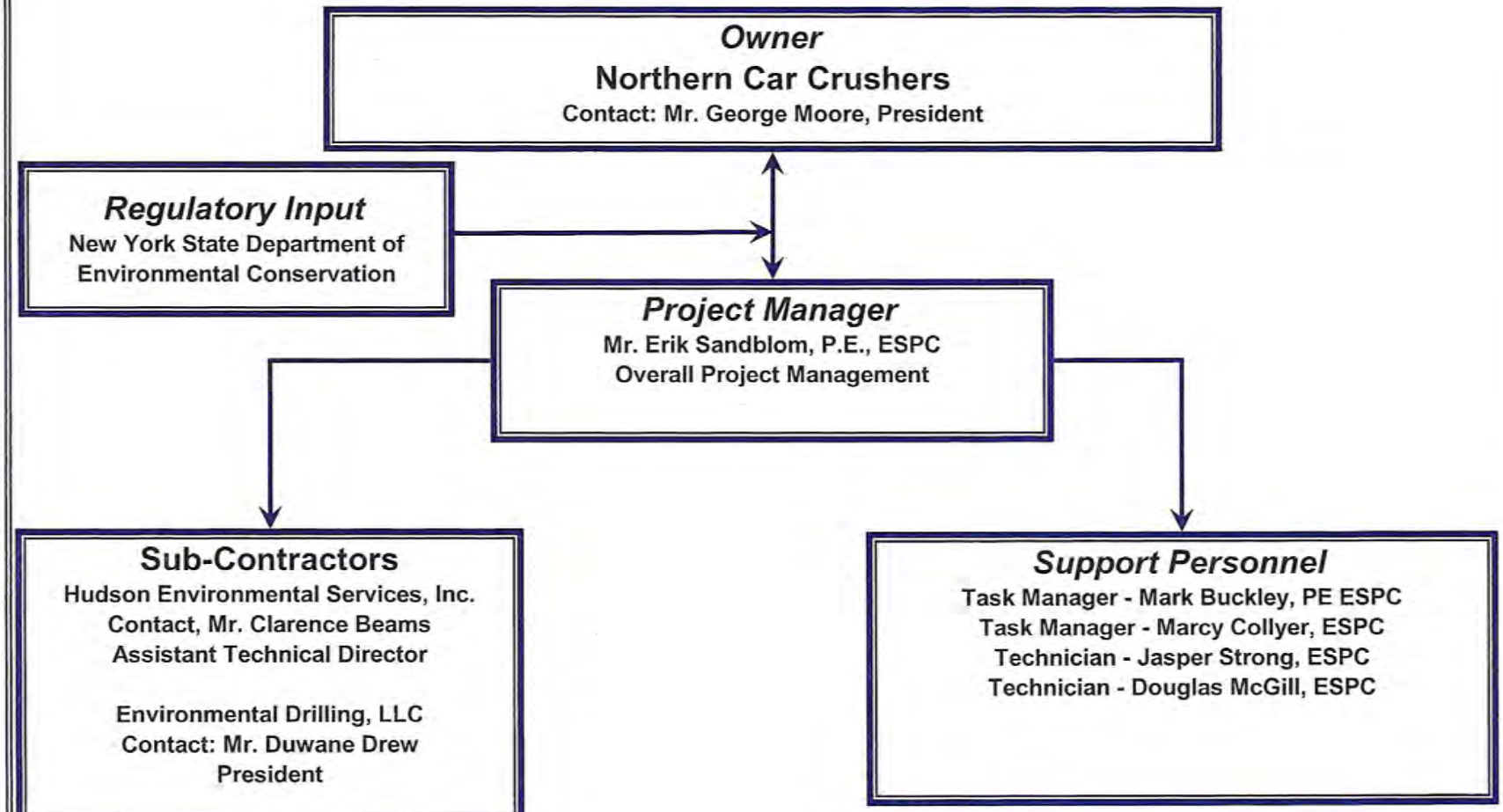
PMW PROPOSED MONITORING WELL LOCATIONS (4)

Appendix C

Project Organizational Chart

Project Organization Flow Chart

Northern Car Crushers, Inc. Environmental Complaince Work Plan



Work Plan for Remedial Investigation and Remedial Action

November 24, 2006

Site Location:
Four Facilities Operated by
Northern Car Crushers, Inc.:
1) Main Office, Route 9, Keeseville
2) Weld Shop, Route 9, Keeseville
3) Scrap Yard, Grove Street, Keeseville
4) Trailer Yard, Pine Street, Keeseville

Prepared For:
Northern Car Crushers, Inc.
1823 Route 9
North Ausable Road
P.O. Box 385
Keeseville, New York 12944

Project #20041039

Prepared By:

ESPC
civil and environmental engineering
1785 Military Turnpike, Suite 13 • Plattsburgh, NY 12901
p:518-563-9445 • f:518-563-5189
email info@espc-consulting.com • web www.espc-consulting.com

TABLE OF CONTENTS

APPENDICIES

2.0 Site History and Description

2.1 Main Office Facility

The Main Office Facility is located along a hillside at the northeast edge of the Village of Keeseville in Clinton County, New York. Operations at the Main Office include general administration and management, vehicle storage, and certain scrap metal storage (e.g., radiators). During completion of site characterization, five (5) specific areas of concern were identified due to observed stains on the ground surface or as a result of observed practices or materials stored in the vicinity and were generally dispersed across the site. Areas of concern were investigated by conducting soils testing in excavations.

Results of the investigation revealed moderate to low concentrations of petroleum-type compounds in soils, which were excavated, poly-encapsulated, and stockpiled on-site. Very low concentrations of petroleum compounds remain in some of the areas of concern, all below soil cleanup objectives to protect groundwater quality as published in NYSDEC's Technical and Administrative Guidance Memorandum #4046 (TAGM) and TCLP Alternative Guidance Value as reported in the NYSDEC Petroleum-Contaminated Soil Guidance Policy (STARS#1).

The site is underlain predominantly by coarse to fine gravel and sand stratified and generally well sorted, with some isolated areas of silt and clay. No groundwater has been encountered in any of the excavations conducted at the site, although shallow bedrock was encountered and is exposed in some areas of the site. Groundwater flow direction is presumed to be to the southeast, toward the Ausable River.

2.2 Weld Shop Facility

The Weld Shop facility is located along a flat stretch of Route 9 south of Chesterfield and Keeseville in Essex County New York. Operations at the Weld Shop include vehicle and equipment maintenance and repair, and vehicle, trailer, and equipment storage. The site was formerly a construction company, and an old airstrip is located on the property. Two (2) specific areas of concern were identified as part of the preliminary investigation conducted at the Weld Shop Facility. These areas were identified due to observed stains on the ground surface. Areas of concern were investigated by conducting soils and groundwater testing in excavations.

Results of the investigation revealed moderate to low concentrations of petroleum-type compounds in soils at both areas investigated and low concentrations in groundwater at one area of concern. Soils from both areas were excavated, poly-encapsulated, and stockpiled on-site. Low concentrations of petroleum compounds remain in the areas of concern, all below TAGM soil cleanup objectives. Two petroleum compounds (xylene and 1,2,4 – trimethylbenzene) were detected in groundwater at one of the areas slightly above groundwater standards.

The site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Groundwater that was encountered in one of the excavations was

located at 9 feet below grade. Groundwater flow direction is presumed to be to the west or northwest, toward the Ausable River. Bedrock depth is unknown.

2.3 Grove Street Scrap Yard Facility

The Scrap Yard Facility is accessed from Grove Street north of the Village of Keeseville and is adjacent to the Main Office Facility in Clinton County, New York. Primary activities include vehicle processing, crushing, and storage, and scrap metal processing and storage. Materials stored on site primarily include scrap metal, scrap vehicles, tires, batteries (under cover), and clean wood. During the preliminary investigation, moderate to low concentrations of petroleum-related compounds were detected and excavated from five (5) areas of concern at the Grove Street Scrap Yard Facility. In addition, low concentrations of a solvent and a refrigerant were detected in two locations investigated that were relatively close to one another. The areas of concern were identified due to observed stains on the ground surface or as a result of observed practices or materials stored in the vicinity and were generally dispersed across the site. Soils from all five areas of investigation were poly-encapsulated and stockpiled at the site. No compounds remained at any of the five areas of concern in excess of either STARS alternative TCLP or TAGM cleanup standards, with the exception of methylene chloride and chloromethane detected in two areas close together (test pits TP-4B and TP-5B). The detection of both of these compounds is isolated and appear to be anomalous based on the conditions in which they were detected (see Preliminary Site Investigation Report for details).

Additional site characterization was conducted at the scrap yard facility in July of 2006. Work included the installation of five groundwater monitoring wells and soils and groundwater sample collection and analysis. Monitoring wells were constructed in soil borings that were advanced by hollow stem auger drilling techniques to a depth of approximately five feet below the groundwater. Soils were classified in detail and screened in the field for volatile organic compounds (VOCs) with a properly calibrated Min-Rae photoionization detector (PID). Locations of the wells and soil classification, soil screening results, and well construction details are provided in Appendix B and C, respectively.

A soil sample was collected from the soil boring for the GROVE-2 monitoring well at a depth of 6'-8' below grade. This well is located close to the test pits 4B and 5B, where methylene chloride and chloromethane were detected. The soil sample from GROVE-2 was analyzed for VOCs and semi-volatile organic compounds (SVOCs) in accordance with EPA Method 8260 and 8270, respectfully. According to the results of the analysis, no compounds were detected above laboratory quantification limits.

Groundwater depth was measured and samples were collected from each of the groundwater monitoring wells several days following their installation. Well casing elevations are being measured by a New York State licensed land surveyor; however, the results are not yet available. Therefore, groundwater flow direction and gradient have not been calculated and will be determined after the survey is completed. Groundwater samples were analyzed for full list VOCs in accordance with EPA Method 8260 by Endyne, Inc., a NELAC certified laboratory. According to the results of the analysis, no compounds tested for were detected above New York State Groundwater

Quality Standards. No compounds were detected above laboratory quantification limits with the exception of MTBE which was detected in Monitoring Well GROVE-1 at a concentration of 6.5 parts per billion (ppb). Groundwater analytical results are provided in Appendix D.

Based on mapping, the site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Drilling and test pit observations generally support the mapped data. Very fine sand and silt was observed at the ground surface over coarse sand, over fine sand and silt. Groundwater is located 30 to 38 feet below surface grade. No bedrock has been encountered at the site. Groundwater flow direction and gradient has not been calculated; although it is inferred to be directed to the southeast or east.

2.4 Pine Street Trailer Yard Facility

The Pine Street facility is located on a piece of property that abuts Pine Street and Route 9N near the western boundary of the Village of Keeseville in Clinton County, New York. Operations at the Pine Street Facility include equipment maintenance and repair, and vehicle, trailer, and equipment storage.

Moderate to low concentrations of petroleum compounds were detected in seven (7) areas of concern that were sampled as part of the preliminary investigation at the Pine Street Trailer Yard facility. Soil excavated from each of these areas was poly-encapsulated and stockpiled separately at the site for ex-situ remediation. Soil screening results indicate that no petroleum impacts remain in any of the areas of concern; however, laboratory analytical data is not available to confirm this. Stockpiled soils are impacted with petroleum compounds; an elevated lead concentration was also detected in one of the stockpiles.

A former oil / water separator (OWS) was also permanently closed and removed from the ground as part of the preliminary investigation. The OWS closure generated black sludge and sediment from within the OWS that exhibited elevated levels of petroleum-related VOCs and SVOCs. Soil from below the OWS to near the water table exhibiting significantly lesser petroleum compound impacts was also excavated. Petroleum impacts above standards do not extend to the groundwater as indicated by a saturated soil sample collected from below the water table that exhibited very low concentrations of toluene and naphthalene (both below TAGM cleanup levels and STARS alternative TCLP levels). Since conducting the preliminary investigation a new, properly designed, steel OWS has been installed at the site and is currently in operation.

Subsequent additional site characterization was also conducted at the Pine Street Facility in the form of the installation of four groundwater monitoring wells followed by groundwater sample collection and analysis. Soil boring, soils classification, soil screening, well installation, and groundwater sample collection and analysis were conducted in the same manner as the Grove Street Scrap Yard, also in July of 2006. Groundwater samples were analyzed for VOCs in accordance with EPA Method 8260 and no compounds were detected above New York State Groundwater Quality Standards. No parameters were detected above laboratory quantification limits with the

exception of acetone which was detected in the sample collected from monitoring well PINE-2 at a concentration of 20.9 ppm).

A soil sample was also collected from the soil stockpile that previously had elevated levels of lead detected. The sample was collected to confirm the previous results. The sample collected in July of 2006 contained a concentration of 19.7 ppm total lead. Detailed drilling and sample analysis data is provided in the Appendix.

Based on mapping, the site is underlain by lacustrine delta coarse to fine gravel and sand stratified and generally well sorted. Drilling and test pit observations generally support the mapped data. Very coarse sand was observed from the ground surface to below the level of groundwater. In some areas of the site, fine sand and fine silty sand was encountered at 5-10 feet below grade. Groundwater is located 7 to 14 feet below surface grade. No bedrock has been encountered at the site. Groundwater flow direction and gradient has not been calculated; although it is inferred to be directed to the southeast or east.

3.0 Work Plan Objectives, Scope, and Rationale

A similar detailed and phased approach and scope of remedial investigation and remedial action has been developed to address the site-specific conditions at each of the four facilities. The objective at each site is to further characterize potential impacts at the sites through remedial investigation and implement remedial action, as necessary, to clear the sites and make them eligible for site closure. The investigation will focus on the soil and groundwater media at the sites. The objective of the work is to demonstrate or achieve TAGM Soil Cleanup Objectives throughout the sites and groundwater quality standards at the site perimeters.

3.1 Groundwater Investigation

3.1.1 Monitoring Well Installation

In order to determine potential impacts to groundwater, four (4) soil borings will be advanced each at the Main Office and Weld Shop facilities and completed as monitoring wells. The locations of the proposed soil borings are shown on the maps in Appendix B. Wells have already been installed at the Pine Street and Grove Street facilities and it is not expected that additional wells will need to be installed there. However, if after evaluating groundwater flow data it becomes apparent that inadequate coverage exists to effectively evaluate down-gradient groundwater quality from either of these two sites then additional wells will be installed to close these gaps (up to one additional well at the Pine Street facility and up to two additional wells at the Grove Street facility).

The soil borings will be advanced with the use of hollow stem auger drilling techniques. The indicated soil boring/monitoring well locations are approximate only. The actual locations may be adjusted in the field to avoid subsurface utilities or overhead obstructions, or other obstructions not shown on the site map, or as a result of real-time soil screening, contaminant data, or geologic data obtained during the process of soil

boring installations. It is expected that NCC will be available to move material or equipment as necessary to access desired well locations.

During boring advancement, soil samples will be collected from at minimum five-foot intervals. Soils will be screened for VOCs with a PID and will be visually inspected for signs of impact, and soil types will be logged in detail. The monitoring wells will be advanced to at least five feet below the water table, or to refusal, whichever is encountered first.

Monitoring wells will be constructed within the soil borings with 2-inch diameter well screen and riser. For each well, an up to ten-foot length of 0.010-inch, factory slotted, PVC screen will be installed with its midpoint at the approximate groundwater elevation. The wells will be completed a minimum of three feet above grade with a schedule 40 PVC flush-threaded riser. A silica sand pack will be placed in the annulus of the well between the borehole wall and the screen to a level approximately one foot above the top of the screened interval. A bentonite seal will be placed above the sand pack, to isolate the screened interval and prevent migration of surface runoff water into the well. The wells will be completed above the ground surface with a lockable protective stick-up steel casing set in concrete. Once completed, each well will be developed by bailing. Monitoring well construction specifications will be provided. Following drilling, each new well will be located in azimuth and elevation for inclusion on the existing Site Map.

If refusal is encountered that appears to be bedrock surface, a well will not be completed in this location. Instead, a soil sample will be collected for laboratory analysis from the point of highest VOC concentration as measured with the PID, or, if no elevated PID readings are obtained, from the soil / rock interface.

3.1.2 Groundwater Sample Collection / Monitoring

Beginning at least one week following the completion of new groundwater wells, depth to water will be measured in each well from the top of casing reference point. Liquid levels will be measured with an interface probe in order to detect any light non-aqueous phase liquid (LNAPL), if present. These data will be used to calculate the water level elevation.

The groundwater flow direction and gradient beneath the site will be determined by plotting the groundwater elevations on the Site Map and interpolating groundwater elevation contours between the monitoring well locations.

Groundwater samples will be collected from each of the site-related monitoring wells that contain sufficient water. Groundwater samples will be analyzed for full-list VOCs by EPA Method 8260. In accordance with ESPC protocols and for quality control purposes, a duplicate sample and trip blank will also be collected and analyzed for VOCs. Samples will be submitted under chain of custody to the laboratory for analysis. If a soil sample is collected in lieu of installing a monitoring well, it also will be analyzed for VOCs by the method indicated.

Groundwater monitoring will be conducted for the existing and newly installed wells on a semi-annual basis (once in the Spring and once in the Fall) until the completion of remedial investigation and remedial action at the site(s).

3.2 Soils Investigation

3.2.1 Phased Approach

The groundwater investigation will provide a gross indication of groundwater quality at the perimeter of the sites and determine whether potential off-site migration of contaminants is occurring at the time of the investigation. The purpose of the soils investigation will be to move inward from the perimeter of the site area of activity to further characterize potential impacts in soil from the surface to groundwater, or the limit of impact.

In order to effectively and comprehensively evaluate the soil conditions at these active sites, they have been divided into sectors. Each sector will be investigated individually, one at a time so that areas may be cleared of material or equipment that is being processed or stored if remedial action is determined to be warranted.

3.2.2 Soil Sample Collection

Soil samples will be collected with the use of direct-push drilling technology. Eight to twelve borings will be conducted within each sector at each of the sites. The number of borings will depend on the size of the sector and the level of activity within that sector. For instance, many of the sectors at the Grove Street facility will require twelve borings per sector to adequately characterize the soil condition due to the size of the sectors and the high level of activity at the site. The soil boring locations will be chosen to roughly equally distribute the borings throughout the sector and may be adjusted to target specific areas based on what is observed in the field; for instance, if discolored soils are observed at the surface. It will be necessary for NCC to move materials or equipment around within the sector in order to position the drilling equipment in the desired soil boring locations.

Soil samples will be collected continuously to a depth of ten feet, or to the extent of observed impacted soils by visual or olfactory means or through field screening. Soil samples will be classified and logged in detail and screened in the field for VOCs with a PID. If apparent soil impact continues to be observed, exploration will continue to the extent of the drilling equipment.

Soil boring locations will be flagged and located accurately with the use of survey equipment and benchmarks that shall be set at the time of surveying the groundwater monitoring wells.

3.2.3 Soil Sample Analysis / Results Interpretation

A soil sample will be collected from each of the soil boring locations for laboratory analysis. The sample will be collected from the depth at which the highest elevated PID reading is obtained. If no elevated PID readings are obtained after screening several locations along the soil boring length, then a composite sample will be prepared comprised of soil from approximately every two feet along the boring.

Soil samples will be analyzed for VOCs Per EPA Method 8260 (full list) at all sites. Due to the past detections of slightly elevated concentrations of SVOCs in soil at the Scrap Yard, half of the soil samples collected from this site will also be analyzed for SVOCs per EPA Method 8270. The chosen parameters for analysis have been determined based on the activities that occur at the subject facilities and based on the results obtained during the site characterization investigations.

Once analytical results are obtained, ESPC will present and analyze the data to determine whether soil cleanup levels are met. Maps will be developed that illustrate the extent and degree of impacted soil if any that is present within that sector. Based on the results of the analysis either the sector will be cleared or remedial action will be recommended.

In reviewing the results of the soils investigation, ESPC will also evaluate the potential for vapor intrusion into nearby buildings on or adjacent to the site. In particular the potential for vapor intrusion will be closely looked at for sectors at the Pine Street Facility where residential and commercial properties abut the site and buildings are in close proximity to the edge of the site. Soil conditions, contaminant concentrations and the nature of the contaminant(s) detected, if any, will be used to determine whether a significant risk of vapor intrusion into buildings exists. If it is determined that a risk does exist, then additional investigation will be recommended to further evaluate the risk to building impacts.

3.3 Remedial Action

If remedial action is determined to be necessary within any of the sectors defined at the four facilities, it is expected that the most effective remedial action technology will be to excavate the impacted soil for ex-situ treatment and backfill the area with clean fill. In this case, it will be necessary to remove all equipment and material that may be stored in the sector to be remediated. NCC will be responsible for removing all equipment or materials necessary to access target soils in the sector.

Soils will be field screened for VOCs with a PID while the excavation commences. The limits of excavation shall be defined by 20 ppm as measured by the PID or less. Once soils have been excavated to this level soil samples will be collected from the bottom and sides of the excavation to confirm that soils have been removed to acceptable levels. The soil confirmation samples will be mixed into a composite sample and submitted for analysis of VOCs per EPA Method 8260.

Soils that are excavated will be combined with any soils that have been previously excavated and remain stockpiled at the site. All impacted soils will be bio-remediated on-site. The biopile design and operation will generally comply with the NYSDEC STARS #2 publication entitled Biocell and Biopile Designs for Small-Scale Petroleum-Contaminated Soil Projects.

Baseline soil contaminant concentration levels will be established by the results of the soil investigations. In addition, soil pH will be measured to determine the level of lime and fertilizer that must be added to the biopile during construction. Soils will also be screened for volatile organic compounds (VOCs) with a photo-ionization detector (PID)

to determine the relative difference in soil contaminant concentrations since the preliminary investigation was completed. Prior to construction of the biopiles a Soil Remediation Plan will be submitted to the NYSDEC that illustrates the location and design of the biopiles as well as maintenance and monitoring procedures.

If in analyzing the data from the Remedial Investigation, it is determined that remedial action is necessary and excavation will not be a practical or effective remedial alternative due to the nature of the contaminant, the extent of the plume, or other reason, then an in-situ technology will be considered for implementation. A recommendation will be made to NCC and NYSDEC with conceptual design details prior to its implementation.

3.4 Reporting

Summary reports will be compiled on a semi-annual basis, to coincide with the groundwater monitoring schedule during the period that this Work Plan is implemented. Each summary report will contain a detailed account of activities that took place at the sites during the past reporting period. The reports will also include updated mapping, monitoring well installation details, groundwater elevation data, groundwater testing results, soil boring location maps, soil boring logs, soil analytical data, and data interpretation and analysis. Any remedial action that commences will be detailed and confirmation test results reported. Soil bio-pile maintenance and monitoring activities and results will also be reported in the summary reports.

4.0 Quality Assurance / Quality Control Protocol

All work to be completed under this work plan shall be performed by qualified individuals in accordance with applicable laws and regulations and NYSDEC guidelines. A project organizational chart is provided in Appendix G that identifies personnel and subcontractors to be utilized. The following ESPC Standard Protocols and Procedures shall be strictly adhered to in the performance of work. Copies of applicable protocols and procedures will be provided upon request.

- Jar / Polyethylene Bag Headspace Protocol
- Soil Boring Protocol (reference soil classification)
- Use and Maintenance of Mini-RAE Photoionization Detectors
- Surface / Subsurface / Stockpiled Soil Sampling Protocol
- Seepage Sampling Protocol
- Surface Water Sampling Protocol
- Drinking Water Sampling Protocol (VOCs)
- Drinking Water Sampling Protocol (inorganics)
- Sample Containerization, Preservation and Handling Procedure
- Sample Packaging Protocol

In addition to complying with the above, all laboratory reports and field data reports shall be reviewed by the Project Manager. This review will ensure that adequate field record keeping, equipment calibration, sample collection procedures, sample handling procedures and laboratory holding times, duplicate sample results, chain of custody

documentation, and waste handling and disposal procedures are adequate and in accordance with requirements. All written documents including reports, letters, faxes, and electronic mail messages shall go though review by ESPC management to ensure all written materials meet high quality standards for technical content, accuracy and readability. All written documents shall be filed in a unique centralized job file. Any issues concerning quality shall immediately be brought to the attention of management and promptly addressed and if appropriate notified to the NYSDEC.

Endyne, Inc. will conduct sample analyses. Endyne is a NELAC certified laboratory providing environmental testing services. Endyne is approved by the New York State Department of Health (NYSDOH) as an environmental laboratory for the analyses called for under this scope of work. A copy of Endyne's certifications and Laboratory Quality Manual will be provided upon request.

The procedures and protocols established by ESPC and developed over the years comply with industry and state standards. It is not deemed necessary for the purposes of this work plan to develop a separate site specific Quality Assurance Project Plan (QAPP), nor assign an independent Quality Assurance Officer (QAO) for data validation. The final report will include a section that explains the validation of data, data usability, and validation qualifiers.

5.0 Health and Safety Protocol

Site specific Health and Safety Plans (HASPs) have been developed for each of the four facilities in Keeseville as part of the investigation work conducted since 2004. These HASPs will be reviewed and modified accordingly to properly address the scope of work presented in this Work Plan. The HASPs will be implemented at the sites and will govern the safety aspects of the investigations in accordance with Occupational Safety and Health Administration (OSHA) requirements. A separate HASP will be in effect for each of the four sites. Copies of the site specific HASPs will be available at each of the corresponding facilities, and copies of all four HASPs will be provided to the Main Office. ESPC will appoint one of its 40 hour OSHA 1910.120 trained personnel as the Site Safety Officer with a backup also designated. No investigative or remedial activities will take place on the sites without a Site Safety Officer present.

6.0 Permits

ESPC will research what, if any, permits are required to allow the work elements to take place and will acquire all such permits. The only anticipated permits are from the Underground Facilities Protection Organization (UFPO), which will be acquired in accordance with NYCRR Part 753. Drilling sites will be pre-marked in accordance with UFPO requirements. ESPC will additionally coordinate with the Village of Keeseville Public Works Department as necessary and will obtain NYSDEC approval of the work plan prior to commencing work.

7.0 Schedule

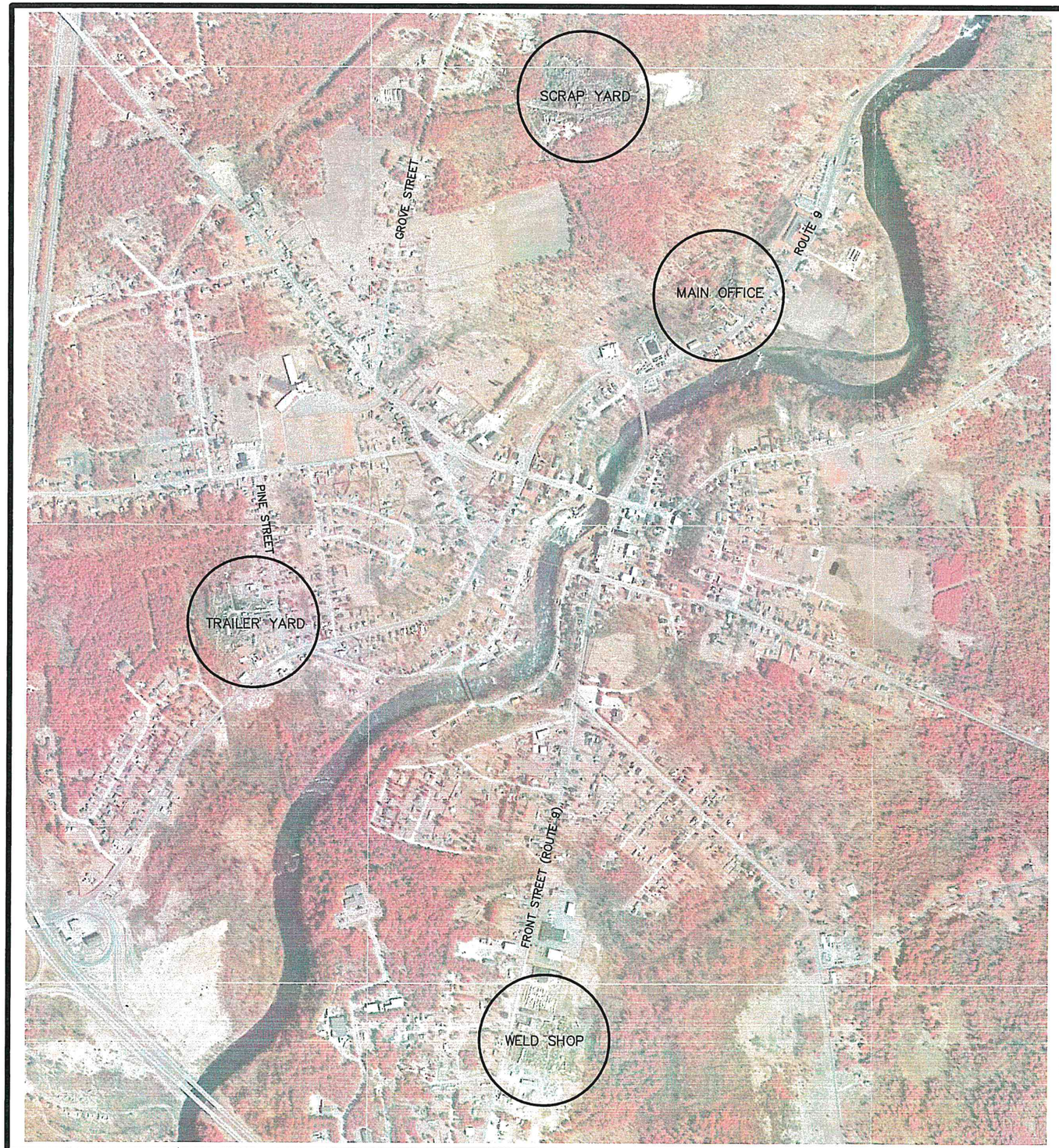
ESPC anticipates a total project development and completion timeline of five years. A master project schedule is included in Appendix G. Work will commence immediately upon acceptance of this Work Plan by the NYSDEC and execution of a consent order by NCC. The sequencing of tasks will be as outlined in the Scope of Work, beginning with the installation of groundwater monitoring wells at the Weld Shop and Main Office facilities. Soils investigation will commence generally in the order that sectors have been labeled on the site plans, beginning with "A". Soils investigations will be focused initially at the Grove Street facility in order to prepare for the new vehicle crushing facility that is planned.

8.0 References

- Spill Technology and Remediation Series (STARS) #1: *Petroleum-Contaminated Soil Guidance Policy*, New York State Department of Environmental Conservation, August, 1992.
- Technical and Administrative Guidance Memorandum #4046: *Determination of Soil Cleanup Objectives and Cleanup Levels*, New York State Department of Environmental Conservation, January 24, 1994
- *DRAFT DER-10 Technical Guidance for Site Investigation and Remediation*, New York Department of Environmental Conservation, December 25, 2002.
- *DRAFT Preliminary Site Assessments (PSA) Guidance*, New York State Department of Environmental Conservation Division of Environmental Remediation (DER) (undated).
- *Draft Guidance for the Preparation of Work Plans and Reports for Site Investigations at Petroleum Spill Sites*, New York State Department of Environmental Conservation, April 29, 2004
- New York State Cyber Security and Critical Infrastructure Coordination, NYSGIS Clearinghouse, http://www.nysgis.state.ny.us , 30 South Pear Street, 11th Floor, Albany, NY 12207-3425
- Letter to Mr. George Moore, Northern Car Crushers, from Mr. Chris Lacombe, NYSDEC Attorney, dated October 27, 2003.

Appendix A

Site Location Map



GRAPHIC SCALE

1,000' 0 500' 1,000' 2,000

(IN FEET)

1 Inch = 1,000 Feet

JOB #: 20041039

ESPC

P.O. BOX 212, WILLISTON, VT, 05495
WWW.ESPC-CONSULTING.COM

NORTHERN CAR CRUSHERS

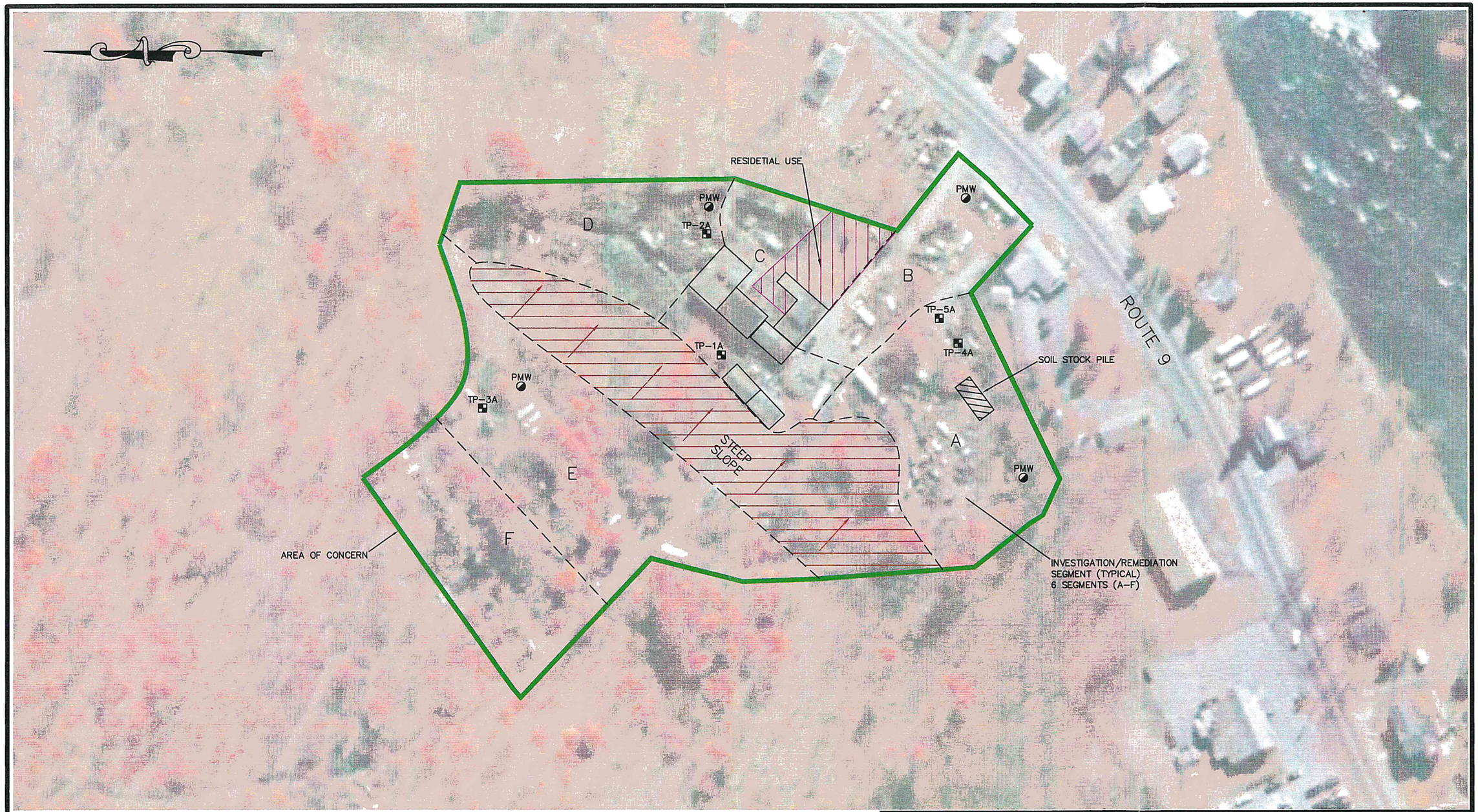
KEESEVILLE, NEW YORK

SITE LOCATION MAP

DATE: 11/16/06	DWG #: 1	SCALE: 1"=1,000'	DRN.: DM	APP.: ES

Appendix B

Facility Maps / Soil Investigation Sectors



LEGEND

TP-4A — TEST PIT LOCATION (CONDUCTED FALL 2004)

PMW — PROPOSED MONITORING WELL

GRAPHIC SCALE

100' 0 50' 100' 200'

(IN FEET)

1 Inch = 100Feet

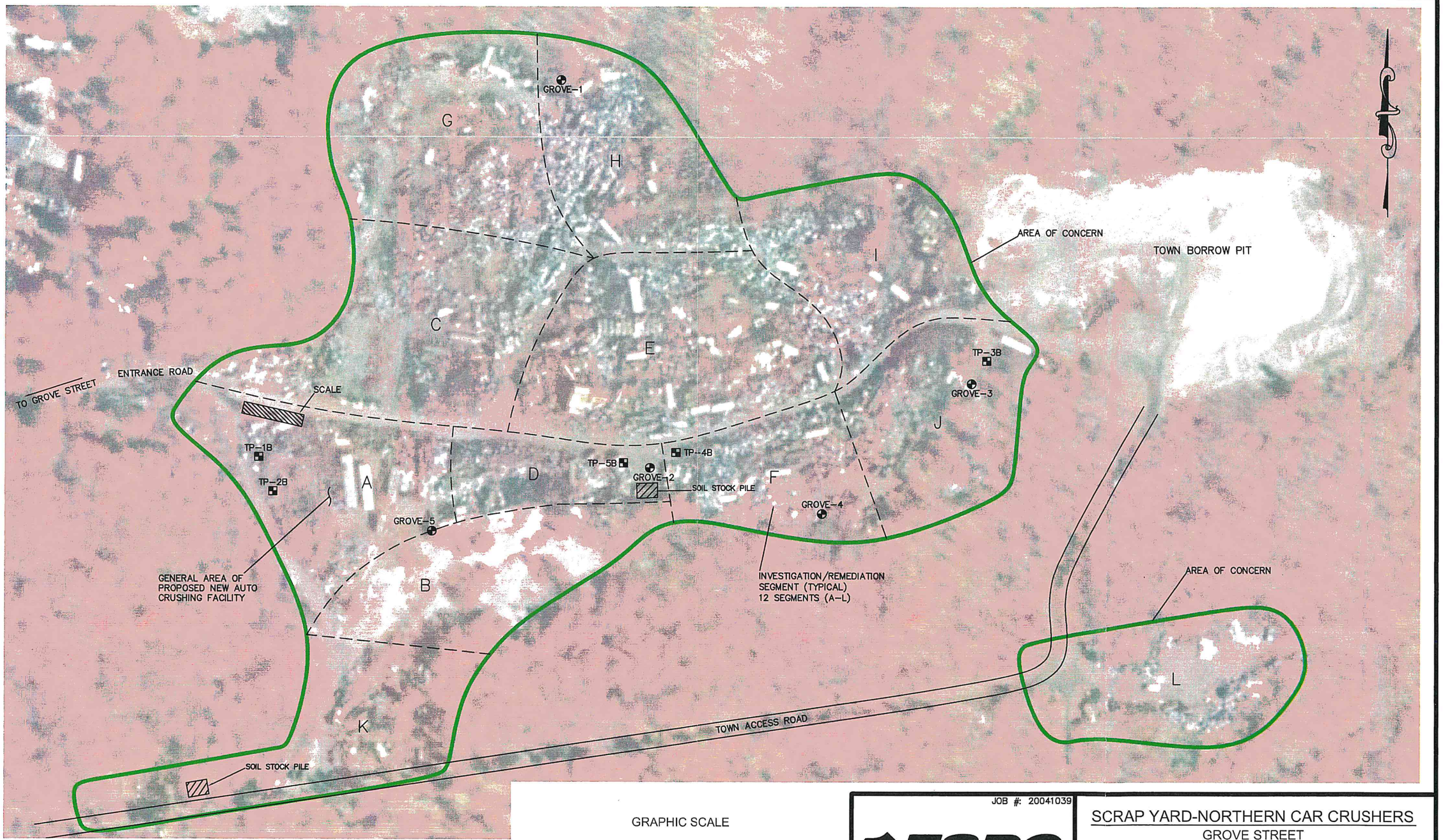
JOB #: 20041039

ESPC
P.O. BOX 212, WILLISTON, VT, 05495
WWW.ESPC-CONSULTING.COM

MAIN OFFICE-NORTHERN CAR CRUSHERS
ROUTE 9
KEESEVILLE, NEW YORK

SITE MAP

DATE: 11/16/06	DWG #: 2	SCALE: 1"=100'	DRN.: DM	APP.: ES



LEGEND

TP-4B — TEST PIT LOCATION (CONDUCTED FALL 2004)

GROVE-1 — MONTITORING WELL (INSTALLED 1/06)

GRAPHIC SCALE

120' 0 60' 120' 240'

(IN FEET)

1 Inch = 120Feet

JOB #: 20041039

ESPC

P.O. BOX 212, WILLISTON, VT, 05495
WWW.ESPC-CONSULTING.COM

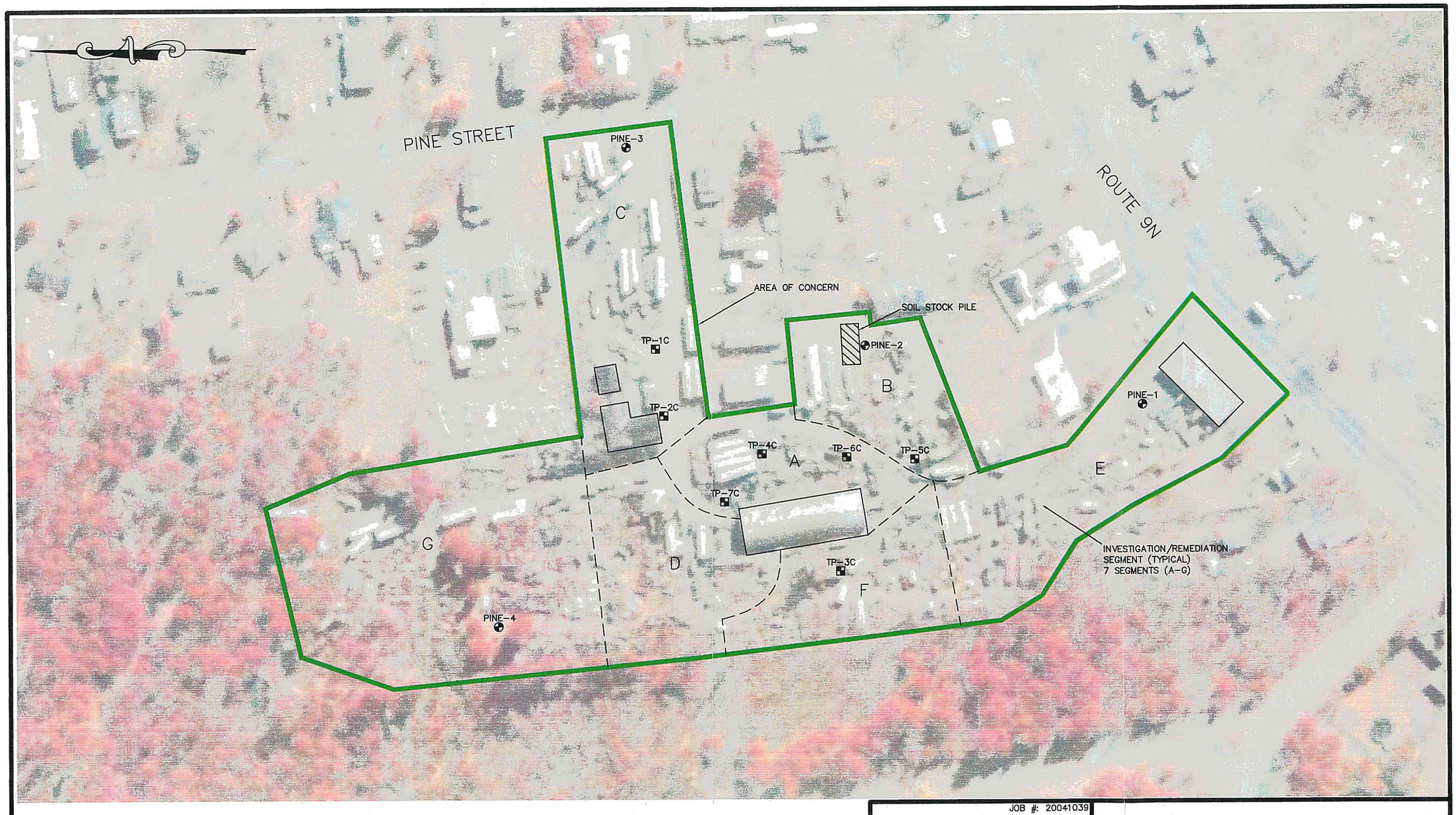
SCRAP YARD-NORTHERN CAR CRUSHERS

GROVE STREET

KEESEVILLE, NEW YORK

SITE MAP

DATE: 11/16/06	DWG #: 3	SCALE: 1"=120'	DRN.: DM	APP.: ES



LEGEND

TP-4C — TEST PIT LOCATION (CONDUCTED FALL 2004)

PINE-1 — MONTITORING WELL (INSTALLED 7/06)

GRAPHIC SCALE

100' 0 50' 100' 200'

(IN FEET)

1 Inch = 100Feet

JOB #: 20041039

ESPC
P.O. BOX 212, WILLISTON, VT, 05495
WWW.ESPC-CONSULTING.COM

TRAILER YARD-NORTHERN CAR CRUSHERS

PINE STREET
KEESEVILLE, NEW YORK

SITE MAP

DATE: 11/16/06	DWG #: 4	SCALE: 1"=100'	DRN.: DM	APP.: ES

LEGEND

PMW PROPOSED MONITORING WELL

GRAPHIC SCALE

100' 0 50' 100' 200'

(IN FEET)

1 Inch = 100Feet

JOB #: 20041039

ESPC

P.O. BOX 212, WILLISTON, VT, 05495
WWW.ESPC-CONSULTING.COM

WELD SHOP-NORTHERN CAR CRUSHERS
FRONT STREET (RTE 9)
KEESEVILLE, NEW YORK

SITE MAP

DATE: 11/16/06	DWG #: 5	SCALE: 1"=100'	DRN.: DM	APP.: ES

Appendix C

Soil Boring / Monitoring Well Logs
Grove St. and Pine St. Facilities

BORING LOG AND WELL CONSTRUCTION DIAGRAM

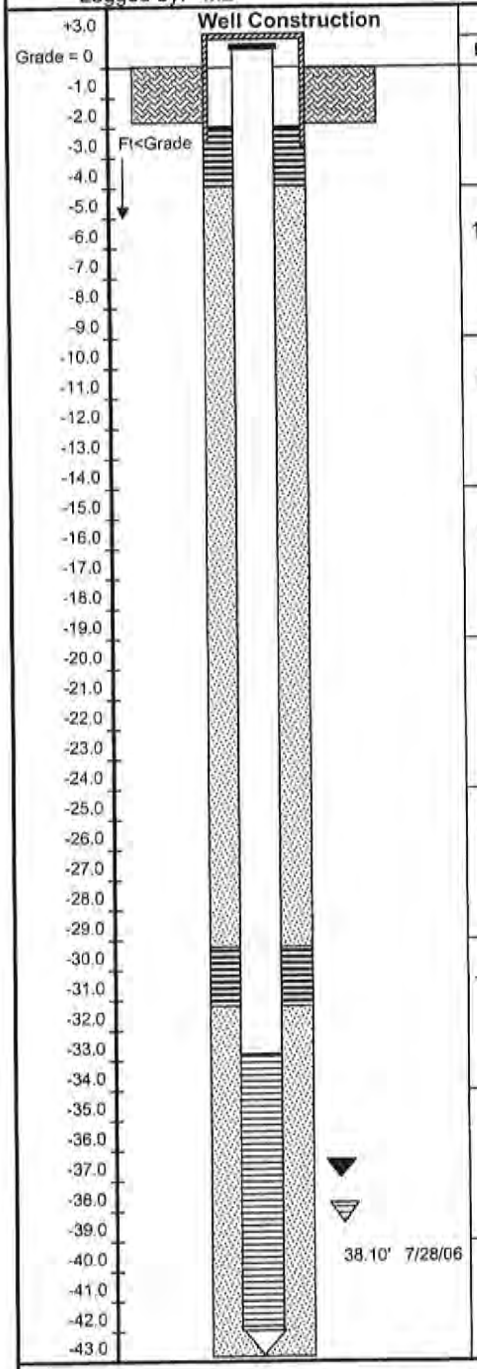
Well No: GROVE-1

civil and environmental engineering

Site: Northern Car Crushers Grove Street

Town, State: Keeseville New York

ESPC Project #:	20041039	Date Installed:	7/13/06 8:45
NYSDEC Spill #:		Drilling Method:	HSA
Drilled by :	T&K Drilling, Inc.	Boring Diameter.:	8.25"
Driller:	Shawn	Development Method:	bailer
Logged by:	MB	Screened Length:	10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 0.0 ppm	Black medium to fine sand, moist, with some brown grains. No odor	SM	
24"/6" 11,13,14,14	5'-7' 0.0 ppm	Brown dry coarse to fine sand with red and tan grains. No odor.	SW	
24"/15" 6,10,13,14	10'-12' 0.0 ppm	Brown dry coarse to fine sand with red and tan grains. No odor.	SW	
24"/12" 6,10,14,21	15'-17' 0.0 ppm	Brown dry coarse to fine sand with red and tan grains. No odor.	SW	
24"/15" 6,9,10,16	20'-22' 0.0 ppm	Brown dry coarse to fine sand with red and tan grains. Silty sand present on bottom 2" of sampler. No odor.	SW SM	
24"/12" 9,11,14,26	25'-27' 0.0 ppm	Brown silty sand (15% silt) with tan grains. Moist No odor	SM SM	
24"/16" 24,70,83,-	30'-32' 0.0 ppm	Brown fine and very fine sand with some (10%) silt. No odor.	SM	
24"/14" 20,51,78,-	35'-37' 0.0 ppm	Brown fine silty sand to medium sand at bottom of sampler. Soils are tight and moist. No odor.	SM	
24"/24" 8,19,34,41	40'-42' 0.0 ppm	Brown medium sand over very fine brown sand with 15% silt. No odor.	SM	

Legend

- Well Box with locking Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

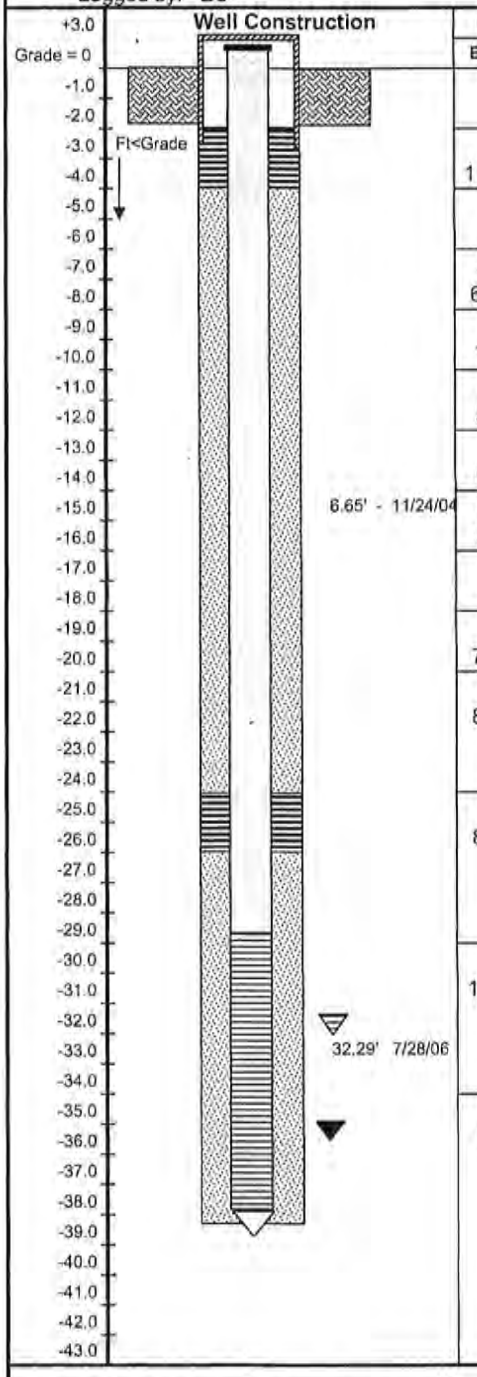
Well No: GROVE-2

civil and environmental engineering

Site: Northern Car Crushers Grove Street

Town, State: Keeseville New York

ESPC Project #:	20041039	Date Installed:	7/12/06 9:15
NYSDEC Spill #:		Drilling Method:	HSA
Drilled by :	T&K Drilling, Inc.	Boring Diameter.:	8.25"
Driller:	Shawn	Development Method:	bailer
Logged by:	ES	Screened Length:	10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
24"/15"	0'-2'	Dark brown dry coarse to medium sand and silt over	SM	
3,4,4,6	(see note)	coarse well graded multi-colored sand	SW	
24"/12"	2'-4'	Coarse light brown sand with multi-colored very	SW	
11,11,12,17	(see note)	coarse sand. No odor.		
24"/14"	4'-6'	Coarse light brown sand with meduim and fine	SW	
4,7,9,13	(see note)	milti-colored grains. No odor		
24"/13.5"	6'-8'	Moist multi-colored very coarse sand and meduim sand	SW	
6,10,14,15	6.5 ppm	Plastic odor.		
24"/15"	8'-10'	Dry multi colored very coarse to medium sand. Metal		
7,10,8,10	(see note)	piece in sample at 9.2'. Plastic odor.		
24"/13"	10'-12'	Dry multi colored very coarse to medium sand.		
5,9,10,11	(see note)	No odor.		
24"/18"	12'-14'	Well graded coarse sand to 13.3' over very light brown	SW	
6,5,12,12	(see note)	medium to fine sand - poorly graded. No odor.	SP	
24"/14.5"	14'-16'	Dry light brown medium to fine sand. Well graded. No	SW	
9,9,10,13	(see note)	odor.		
24"/13"	16'-18'	Moist light brown medium to fine well graded sand.	SW	
4,7,8,12	(see note)	No odor.		
24"/16"	18'-20'	Moist light brown fine to coarse sand with orange / black	SW	
7,10,16,17	(see note)	grains. Black striations at 19.8' (mottles?). No odor.		
24"/19"	20'-22'	Dry light brown medium sand. Well graded.	SW	
8,10,14,19	(see note)	No odor.		
24"/15"	25'-27'	Fine to medium light brown dry sand with orange and	SW	
8,14,18,20	(see note)	black grains. Well sorted. No odor.		
24"/18"	30'-32'	Fine to medium light brown moist sand with orange and	SW	
10,13,13,15	(see note)	black grains. Well sorted. No odor.		
24"/20"	35'-37'	Saturated brown very fine sand with some silt	SM	
5,5,10,10	(see note)			
		Note: PID results originally ranged between 0.0 ppm (at 35'-37') and 1,999 ppm (at 6'-8'), with no oder detected in samples. PID was recalibrated and the sample from 6'-8' was re-screened. All other samples had been discarded and could not be rescreened.		

Legend

- Well Box with locking Cover, Set in Cement
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus
- Drill Cuttings Placed in Annulus.
- Locking Plug
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Well No: GROVE-3

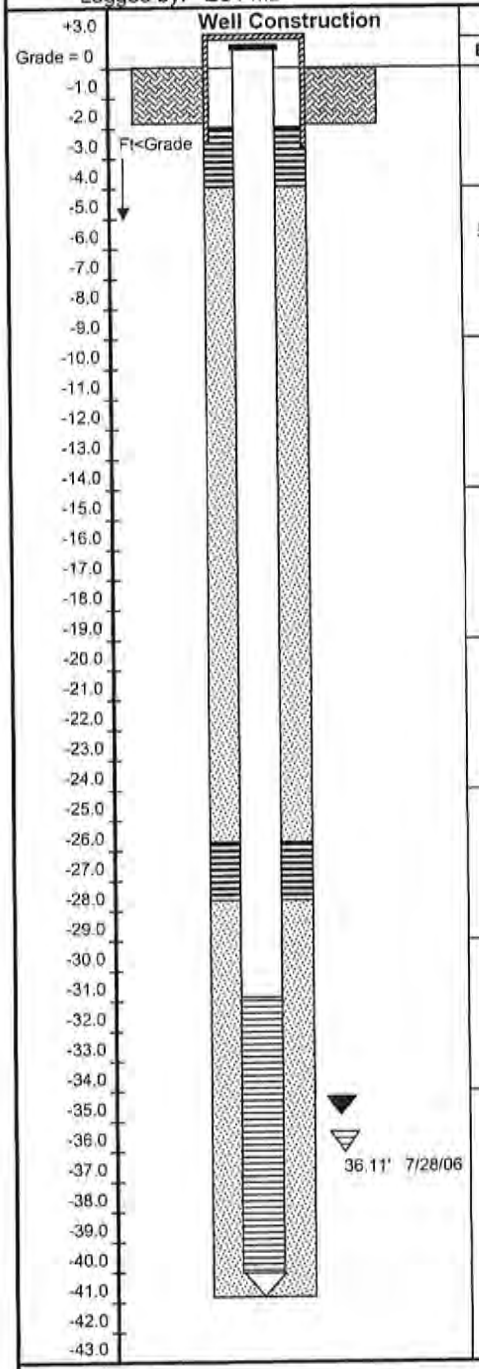
civil and environmental engineering

Site: Northern Car Crushers Grove Street

Town, State: Keeseville New York

ESPC Project #: 20041039
NYSDEC Spill #:
Drilled by : T&K Drilling, Inc.
Driller: Shawn
Logged by: ES / MB

Date Installed: 7/12/06 14:55
Drilling Method: HSA
Boring Diameter.: 8.25"
Development Method: bailer
Screened Length: 10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol
Auger Cuttings	0'-5' 0.5 ppm	Brown dry fine silty sand. No odor.	SM
24"/12" 5,12,13,14	5'-7' 0.0 ppm	Dry coarse to medium well graded sand No odor.	SW
24"/15" 5,7,9,11	10'-12' 0.0 ppm	Coarse sand over medium to fine light brown sand. Dry. No odor.	SW
24"/13" 7,9,11,13	15'-17' 0.0 ppm	Light brown dry medium to fine sand No odor.	SW
24"/15" 6,8,6,10	20'-22' 0.0 ppm	Light brown dry well graded sand to medium grain sand. No odor.	SW
24"/12" 6,7,10,11	25'-27' 0.0 ppm	Light brown fine sand, medium grade. Some grayish silt at 26.8', forms in hand. No odor.	SW / SM
24"/15" 5,6,7,10	30'-32' 0.0 ppm	Light brown moist fine to medium sand with gray silt. No odor.	SM
24"/24" 7,8,10,13	35'-37' 0.0 ppm	Wet gray silty (30%) fine sand. No odor.	SM

Graphic Symbol

Legend

- Well Box with locking Cover, Set in Cement
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Well No: GROVE-4

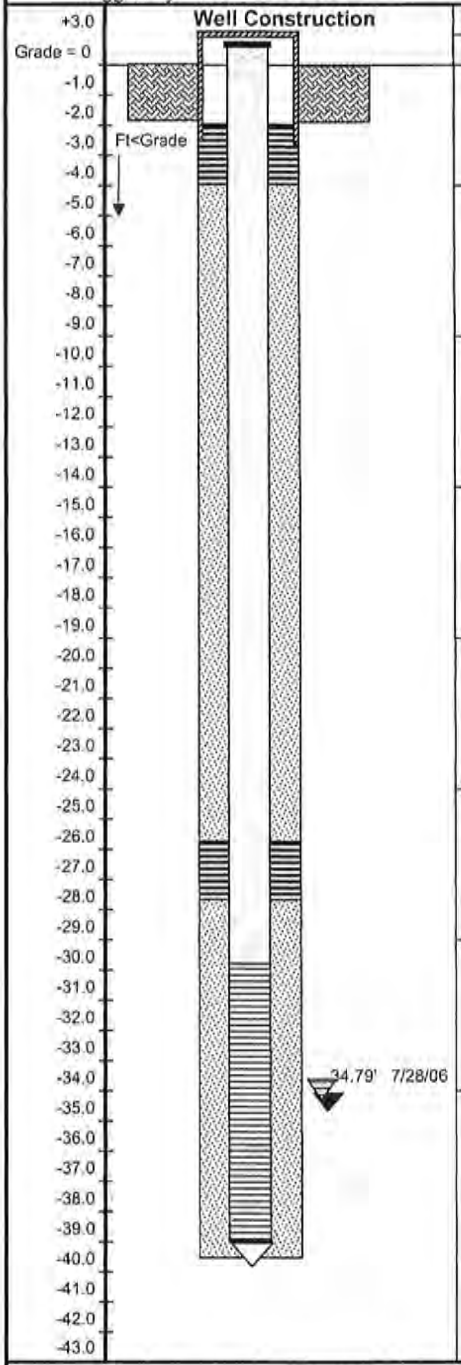
ESPC
civil and environmental engineering

Site: Northern Car Crushers Grove Street

Town, State: Keeseville New York

ESPC Project #: 20041039
NYSDEC Spill #:
Drilled by : T&K Drilling, Inc.
Driller: Shawn
Logged by: ES

Date Installed: 7/12/06 12:25
Drilling Method: HSA
Boring Diameter.: 8.25"
Development Method: bailer
Screened Length: 10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 7.6 ppm*	Brown fine to meduim sand and silt. No odor.	SM	
24"/18" 5,9,9,13	5'-7' 6.9 ppm*	Fine to coarse well graded sand with orange and black coarse grains. No odor.	SW	
24"/15" 6,9,8,11	10'-12' 8.3 ppm*	Fine to coarse well graded sand with orange and black coarse grains. Black lateral striations visible. No odor.	SW	
24"/16" 7,8,12,13	15'-17' 0.5 ppm	Very fine dry light brown sand to 16.5' over medium to fine well graded sand. No odor.	SW	
24"/15" 7,7,10,12	20'-22' 0.1 ppm	Light brown dry medium to fine sand. No odor.	SW	
24"/21" 8,10,10,12	25'-27' 3.2 ppm	Light brown medium to fine dry sand. Well graded. No odor.	SW	
24"/16" 6,13,13,14	30'-32' 2.9 ppm	Light brown fine to medium sand. No odor.	SW	
24"/18"	35'-37' 0.5 ppm	Brown very fine sand with little silt, saturated. No odor. Note: PID results highly sporatic at 15'-17' sample. PID was cleaned and recalibrated and soil samples from 0', 5', and 10' were re-screened. Significant condensation was present in the bag samples. Previous results for samples 0', 5', and 10' were 0.0 ppm.	SM	

Legend

- Well Box with locking Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Well No: GROVE-5

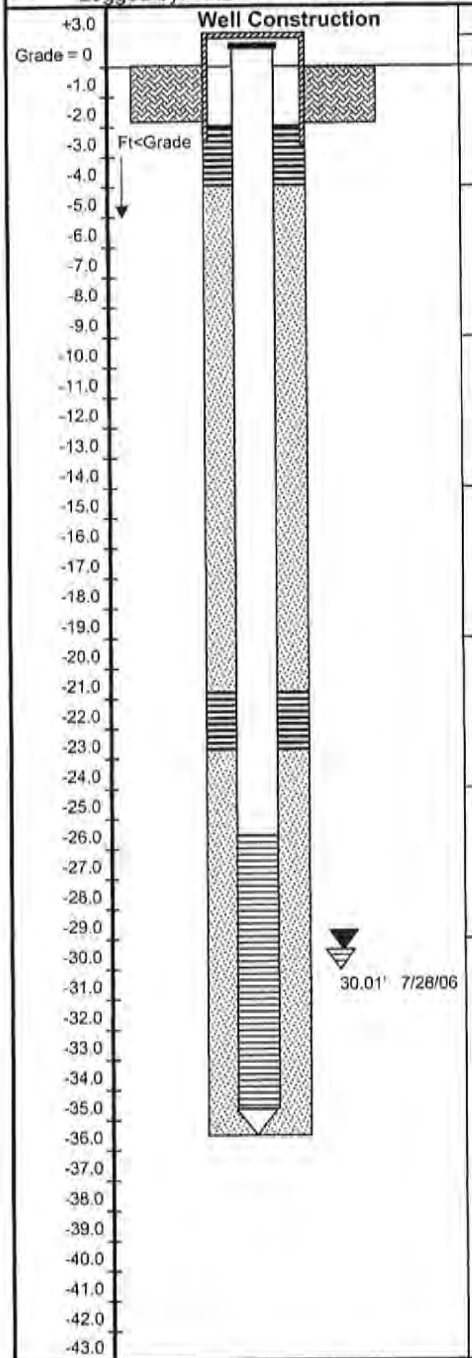
civil and environmental engineering

Site: Northern Car Crushers Grove Street

Town, State: Keeseville New York

ESPC Project #: 20041039
NYSDEC Spill #:
Drilled by : T&K Drilling, Inc.
Driller: Shawn
Logged by: MB

Date Installed: 7/12/06 16:45
Drilling Method: HSA
Boring Diameter.: 8.25"
Development Method: bailer
Screened Length: 10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 0.0 ppm	Moist light brown well graded coarse to fine sand with some silt (<10%)	SM	
24"/18" 4,5,7,8	5'-7' 0.0 ppm	Dry tan coarse sand with black grains. Few fines. No odor.	SW	
24"/12" 5,6,7,10	10'-12' 0.0 ppm	Dry tan coarse sand with black grains. Few fines. No odor.	SW	
24"/14" 6,7,11,11	15'-17' 0.0 ppm	Tan moist fine silty sand. 25% silt. No odor.	SM	
24"/15" 7,11,12,12	20'-22' 0.0 ppm	Fine silty sand with a 1" thick clay layer at 21'. Coarse sand below 21'. Multi colored grains. No odor	SM ML SW	
24"/18" 6,9,10,13	25'-27' 0.0 ppm	Fine sand, brown, moist with little silt (10% - 20%) No odor.	SM	
24"/15" 7,10,14,20	30'-32' 0.0 ppm	Fine brown sandb with silt. No odor. Saturated.	SM	
			SM	

Legend

- Well Box with locking Cover, Set in Cement
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

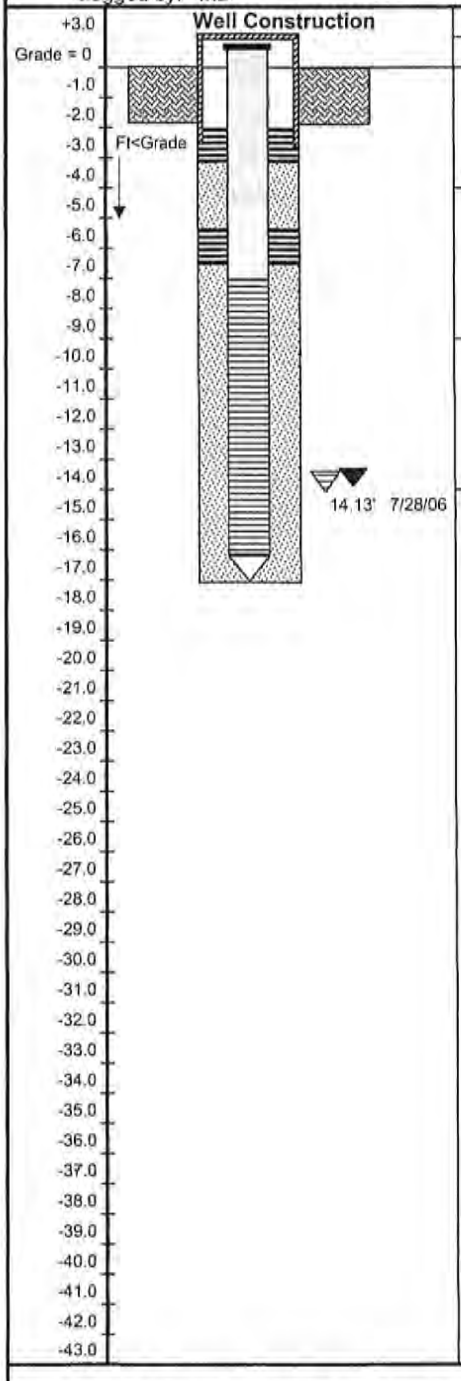
Well No: PINE-1

civil and environmental engineering

Site: Northern Car Crushers Pine Street

Town, State: Keeseville New York

ESPC Project #:	20041039	Date Installed:	7/13/06 15:25
NYSDEC Spill #:		Drilling Method:	HSA
Drilled by :	T&K Drilling, Inc.	Boring Diameter.:	8.25"
Driller:	Shawn	Development Method:	bailer
Logged by:	MB	Screened Length:	10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 0.9 ppm	Very coarse sand, few fines, some 1/2" stones. silt. No odor.	SW	
24"/14" 5,8,10,15	5'-7' 0.3 ppm	Medium sand over very fine sand and silt (25% silt). Tan in color with brown grains. No odor.	SM	
24"/15" 6,12,16,14	10'-12' 0.3 ppm	Tan well graded sand over silty sand (>25% silt). No odor.	SM	
24"/14" 8,16,17,21	15'-17' 0.3 ppm	Tan medium sand with little silt. Coarser at 15 feet. No odor.	SW	

Legend

- Well Box with locking Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Well No: PINE-2

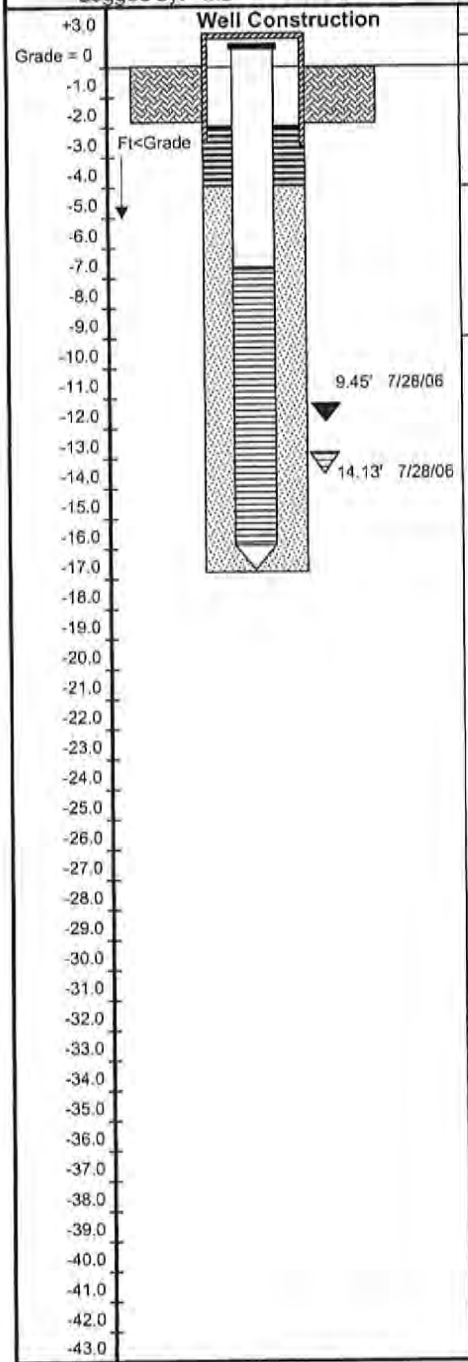
ESPC
civil and environmental engineering

Site: Northern Car Crushers Pine Street

Town, State: Keeseville New York

ESPC Project #: 20041039
NYSDEC Spill #:
Drilled by : T&K Drilling, Inc.
Driller: Shawn
Logged by: MB

Date Installed: 7/13/06 16:35
Drilling Method: HSA
Boring Diameter.: 8.25"
Development Method: bailer
Screened Length: 10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics / Top Soil Surface	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 0.6 ppm	Moist brown coarse sand, few fines, some 1/4" stones. No odor.	SW	
24"/12" 4,7,9,12	5'-7' 0.4 ppm	Very coarse grained light brown sand with brown and black grains. Very few fines. No odor.	SW	
24"/15" 5,6,7,7	10'-12' 0.4 ppm	Tan medium sand with brown and black grains. Wet. No odor.	SW	

Legend

- Well Box with locking Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug.
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

BORING LOG AND WELL CONSTRUCTION DIAGRAM

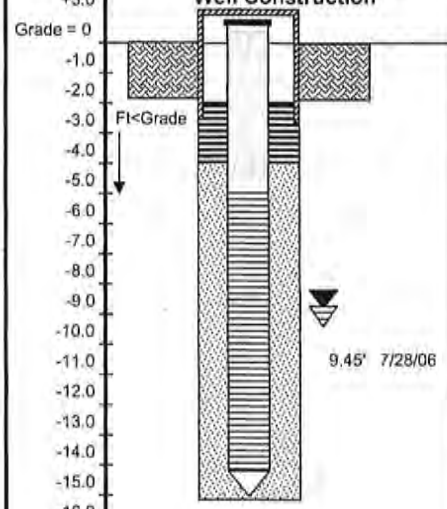
Well No: PINE-3

civil and environmental engineering

Site: Northern Car Crushers Pine Street

Town, State: Keeseville New York

ESPC Project #:	20041039	Date Installed:	7/13/06 13:15
NYSDEC Spill #:		Drilling Method:	HSA
Drilled by :	T&K Drilling, Inc.	Boring Diameter.:	8.25"
Driller:	Shawn	Development Method:	bailer
Logged by:	MB	Screened Length:	10'



Pen/Rec(') / BlowCounts	Interval (') / PID (ppm)	Soil Characteristics (Top Soil Surface)	Letter Symbol	Graphic Symbol
Auger Cuttings	0'-5' 0.4 ppm	Tan coarse sand with black and red grains. Moist. Some silt. No odor.	SW	
24"/12" 4,6,8,11	5'-7' 0.5 ppm	Tan coarse sand with red and black grains. Moist. Few fines (<10%). No odor.	SW	
24"/15" 2,3,4,5	10'-12' 0.4 ppm	Tan well graded sand over silty sand (>25% silt). No odor.	SM	

Legend

- Well Box with locking Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Locking Plug
- 1" ID, Schedul
- Schedule 40
- Plug Point
- Approximate Water Level During Drilling
- Static Water Level, below top of casing

Appendix D

Groundwater / Soil Analytical Results
Grove St. and Pine St. Facilities

Northern Car Crushers
Additional Site Investigation
Summary of Results

Samples Collected July 28, 2006 from the Grove Street and Pine Street Facilities

Sample Location	Sample Matrix	Analysis Performed	Summary of Results			
			Parameter	Result	Units	Standard
Trip Blank	Water	VOCs (8260 Full List)	ND			
GROVE-1	Groundwater	VOCs (8260 Full List)	MTBE	6.5	ug/L (ppb)	10 ppb
GROVE-2	Groundwater	VOCs (8260 Full List)	ND			
GROVE-2 6'-8' Below Grade	Soil	VOCs / SVOCs (8260/8270 Full List)	ND			
GROVE-3	Groundwater	VOCs (8260 Full List)	ND			
Duplicate (GROVE-3)	Groundwater	VOCs (8260 Full List)	ND			
GROVE-4	Groundwater	VOCs (8260 Full List)	ND			
GROVE-5	Groundwater	VOCs (8260 Full List)	ND			
PINE-1	Groundwater	VOCs (8260 Full List)	ND			
PINE-2	Groundwater	VOCs (8260 Full List)	Acetone	20.9	ug/L (ppb)	50 ppb
PINE-3	Groundwater	VOCs (8260 Full List)	ND			
PINE-4	Groundwater	VOCs (8260 Full List)	ND			
Soil Pile 1C (Pine Street)	Soil	Total Lead (610)	Total Lead	19.7	mg/Kg (ppm)	100 ppm (TCLP)

ND = None Detected above laboratory quantification limits
ppb = parts per billion
ppm = parts per million

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Willlston, Vermont 05495
(802) 879-4333
FAX 879-7103

RECEIVED AUG 0 2 2006

LABORATORY REPORT

ESPC
PO Box 212
Williston, VT 05495
Attn: ELAP 11263

PROJECT: Northern Car Crushers/20041039
ORDER ID: 46514
RECEIVE DATE: July 13, 2006
REPORT DATE: August 1, 2006

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: SB-2
DATE RECEIVED: July 13, 2006
REPORT DATE: August 1, 2006
ANALYSIS DATE: July 24, 2006

ORDER ID: 46514
REFERENCE NUMBER: 278523
DATE SAMPLED: July 12, 2006
TIME SAMPLED: 10:25 AM
SAMPLER: ES
ANALYST: 725

Parameter	Result ug/kg, dry
Acetone	< 90.0
Benzene	< 9.0
Bromobenzene	< 9.0
Bromochloromethane	< 18.0
Bromodichloromethane	< 9.0
Bromoform	< 45.0
Bromomethane	< 45.0
2-Butanone	< 90.0
n-Butylbenzene	< 9.0
sec-Butylbenzene	< 9.0
tert-Butylbenzene	< 9.0
Carbon Disulfide	< 45.0
Carbon Tetrachloride	< 9.0
Chlorobenzene	< 9.0
Chloroethane	< 45.0
2-Chloroethyl Vinyl Ether	< 180.
Chloroform	< 9.0
Chloromethane	< 27.0
2-Chlorotoluene	< 9.0
4-Chlorotoluene	< 9.0
Dibromochloromethane	< 18.0
1,2-Dibromo-3-Chloropropane	< 18.0
1,2-Dibromoethane	< 18.0
Dibromomethane	< 18.0
1,2-Dichlorobenzene	< 9.0
1,3-Dichlorobenzene	< 9.0
1,4-Dichlorobenzene	< 9.0
Dichlorodifluoromethane	< 45.0
1,1-Dichloroethane	< 9.0
1,2-Dichloroethane	< 9.0
1,1-Dichloroethene	< 9.0
cis-1,2-Dichloroethene	< 9.0
trans-1,2-Dichloroethene	< 9.0
1,2-Dichloropropane	< 9.0
1,3-Dichloropropane	< 9.0
2,2-Dichloropropane	< 9.0

Parameter	Result ug/kg, dry
1,1-Dichloropropene	< 9.0
cis-1,3-Dichloropropene	< 9.0
trans-1,3-Dichloropropene	< 9.0
Diethyl Ether	< 45.0
Ethylbenzene	< 9.0
Hexachlorobutadiene	< 18.0
2-Hexanone	< 90.0
Isopropylbenzene	< 9.0
p-Isopropyltoluene	< 9.0
Methylene Chloride	< 45.0
4-Methyl-2-Pentanone	< 90.0
MTBE	< 18.0
Naphthalene	< 18.0
n-Propylbenzene	< 9.0
Styrene	< 9.0
1,1,1,2-Tetrachloroethane	< 18.0
1,1,2,2-Tetrachloroethane	< 18.0
Tetrachloroethene	< 9.0
Tetrahydrofuran	< 90.0
Toluene	< 9.0
1,2,3-Trichlorobenzene	< 18.0
1,2,4-Trichlorobenzene	< 18.0
1,1,1-Trichloroethane	< 9.0
1,1,2-Trichloroethane	< 9.0
Trichloroethene	< 9.0
Trichlorofluoromethane	< 18.0
1,2,3-Trichloropropane	< 18.0
1,2,4-Trimethylbenzene	< 9.0
1,3,5-Trimethylbenzene	< 9.0
Vinyl Chloride	< 18.0
Xylenes, Total	< 18.0
Surrogate 1	100.%
Surrogate 2	100.%
Surrogate 3	90.%
UIP's	0.
Percent Solids	95.

ACCREDITED IN ACCORDANCE WITH NELAC
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

RECEIVED AUG 2 2 2006

LABORATORY REPORT

ESPC
PO Box 212
Williston, VT 05495
Attn: ELAP 11263

PROJECT: Northern Car Crushers/20041039
ORDER ID: 46514
RECEIVE DATE: July 13, 2006
REPORT DATE: August 18, 2006

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

QA indicates associated QA/QC did not meet laboratory guidelines.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

Enclosures

ACCREDITED IN ACCORDANCE WITH
nelac
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8270C

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: SB-2
DATE RECEIVED: July 13, 2006
REPORT DATE: August 18, 2006
ANALYSIS DATE: August 16, 2006

ORDER ID: 46514
REFERENCE NUMBER: 278523
DATE SAMPLED: July 12, 2006
TIME SAMPLED: 10:25 AM
SAMPLER: ES
ANALYST: 101

Parameter	Result ug/Kg, dry
Acenaphthene	< 60.0
Acenaphthylene	< 60.0
Aniline	< 300.
Anthracene	< 60.0
Azobenzene	< 150.
Benzidine	< 300. QA
Benzo(a)anthracene	< 60.0
Benzo(b&k)fluoranthene	< 60.0
Benzo(a)pyrene	< 60.0
Benzo(g,h,i)perylene	< 60.0
Bis(2-chloroethyl)ether	< 150.
Bis(2-chloroethoxy)methane	< 150.
Bis(2-ethylhexyl)phthalate	< 150.
Bis(2-chloroisopropyl)ether	< 300.
4-Bromophenyl phenyl ether	< 60.0
Butyl benzyl phthalate	< 150.
Carbazole	< 300.
4-Chloroaniline	< 150.
1-Chloronaphthalene	< 60.0
2-Chloronaphthalene	< 60.0
4-Chlorophenyl phenyl ether	< 60.0
Chrysene	< 60.0
Dibenzofuran	< 60.0
Dibenzo(a,h)anthracene	< 60.0
Di-n-butylphthalate	< 300.
1,2-Dichlorobenzene	< 60.0
1,3-Dichlorobenzene	< 60.0
1,4-Dichlorobenzene	< 60.0
3,3'-Dichlorobenzidine	< 150.
Diethyl phthalate	< 150.
Dimethyl phthalate	< 150.
2,4-Dinitrotoluene	< 150.
2,6-Dinitrotoluene	< 150.
Di-n-octylphthalate	< 300.
Fluoranthene	< 60.0
Fluorene	< 60.0
Hexachlorobenzene	< 150.
Hexachlorobutadiene	< 150.
Hexachlorocyclopentadiene	< 600.
Hexachloroethane	< 150.
Indeno(1,2,3-cd)pyrene	< 60.0
Isophorone	< 60.0

Parameter	Result ug/Kg, dry
1-Methylnaphthalene	< 60.0
2-Methylnaphthalene	< 60.0
Naphthalene	< 60.0
1-Naphthylamine	< 300.
2-Naphthylamine	< 300.
2-Nitroaniline	< 600.
3-Nitroaniline	< 300.
4-Nitroaniline	< 600.
Nitrobenzene	< 150.
N-Nitroso-di-n-butylamine	< 150.
N-Nitrosodiphenylamine	< 150.
N-Nitrosodimethylamine	< 300.
N-Nitrosodi-n-propylamine	< 300.
N-Nitrosopiperidine	< 300.
Phenanthrene	< 60.0
Pyrene	< 60.0
Pyridine	< 300.
1,2,4-Trichlorobenzene	< 60.0
Benzyl alcohol	< 600.
4-Chloro-3-methylphenol	< 300.
2-Chlorophenol	< 150.
2,4-Dichlorophenol	< 150.
2,6-Dichlorophenol	< 150.
2,4-Dimethylphenol	< 150.
4,6-Dinitro-2-methylphenol	< 1,500.
2,4-Dinitrophenol	< 600.
2-Methylphenol (o-cresol)	< 150.
3&4-Methylphenol (m&p-cresol)	< 150.
2-Nitrophenol	< 300.
4-Nitrophenol	< 300.
Pentachlorophenol	< 600.
Phenol	< 150.
2,4,5-Trichlorophenol	< 300.
2,4,6-Trichlorophenol	< 300.
Acid Surrogate 1	38.%
Acid Surrogate 2	58.%
Acid Surrogate 3	45.%
Base/Neutral Surrogate 1	52.%
Base/Neutral Surrogate 2	60.%
Base/Neutral Surrogate 3	64.%
UIP's	0.
Percent Solid	95.

ACCREDITED IN ACCORDANCE WITH NELAC
ELAP 11263

≡ ENDYNE, INC.
160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

82981

Special Reporting Instructions:

Project Name: 20041039 NORTHERN CAR CRUSHERS		Reporting Address: ESPC, PO Box 212 WILLISTON VT	Billing Address: ESPC
Endyne Order ID: (Lab Use Only) 46514	-O -I -S	Company: ESPC Contact Name/Phone #: E. Sandblom	Sampler Name: Eric Sandblom Phone #: 383-0486

Ref.# (Lab Use Only)	Sample Identification	Matrix	GRAB	COMP	Date/Time 7/12/06	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
	SB-2, 6'-8'	SOIL	X		1025	2	VOA	MeOH preservation	8260/8270	MeOH	
	SB-2, 6'-8'	SOIL	X		1025	1	8oz	Dry Soil	11	Ice	
								New York State "Full List"			

Relinquished by: [signature] Date/Time 7/13/06 0952

Received by: [signature] Date/Time 7/13/06 1245

Received by: [signature] Date/Time 7/13/06 12:55

New York State Project: Yes X No ____

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	PP13 Metals
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	RCRA8 Metals
4	Nitrite N	9	BOD	14	Turbidity	19	8021B	24	8260/8260B	29	
5	Nitrate N	10	Alkalinity	15	Conductivity	20	8010/8020	25	8270 B/N/or Acid	30	
31	Metals (As Is, Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn										
32	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)					33					
34	Other										

LAB USE ONLY
Delivery: Client
Temp: 2.9°C
Comment:

(White, Yellow - Laboratory / Pink - Client)

598-8226

ENDYNE, INC.

RECEIVED AUG 2 3 2006
Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

ESPC
PO Box 212
Williston, VT 05495
Attn: Erik Sandblom

PROJECT: Northern Car Crushers/20041039
ORDER ID: 46918
RECEIVE DATE: July 31, 2006
REPORT DATE: August 21, 2006

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ACCREDITED IN ACCORDANCE WITH
nelac
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
REPORT DATE: August 21, 2006

ORDER ID: 46918
DATE RECEIVED: July 31, 2006
SAMPLER: DM

Ref. Number: 279499 | Site: Soil Pile-Pine St. | Date Sampled: July 28, 2006 | Time: 2:20 PM

Parameter	Result	Unit	Method	Analysis Date	Analyst
Total Lead	19.7	mg/Kg, dry	EPA 6010	8/3/2006	808

ELAP 11263

ENDYNE, INC.

RECEIVED AUG 1 8 2006
Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

ESPC
PO Box 212
Williston, VT 05495
Attn: Erik Sandblom

PROJECT: Northern Car Crushers/20041039
ORDER ID: 46918
RECEIVE DATE: July 31, 2006
REPORT DATE: August 15, 2006

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

QA indicates associated QA/QC did not meet laboratory guidelines.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

Enclosures

ACCREDITED IN ACCORDANCE WITH ISO/IEC 17025
nelac
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Trip Blank
DATE RECEIVED: July 31, 2006
REPORT DATE: August 15, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46918
REFERENCE NUMBER: 279498
DATE SAMPLED: July 28, 2006
TIME SAMPLED: 6:35 AM
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0QA
Chloroform	< 1.0
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	96.%
Surrogate 2	98.%
Surrogate 3	98.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH ELAP 11263

ENDYNE, INC.
160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

43511

Special Reporting Instructions:

Project Name: Northern Car Crushers # 20041039		Reporting Address: ESPC	Billing Address: ESPC
Endyne Order ID: (Lab Use Only) 46918	-O -I -S	Company: Contact Name/Phone #:	Sampler Name: DM Phone #:

Ref # (Lab Use Only)	Sample Identification	Matrix	G R A B	C O M P	Date/Time	Sample Containers: No	Sample Containers: Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
	Trip BLANK	H20	X		7-28-06 6:55	2	40ml		8260	HCL	
	Soil pile pine St	Soil	X		7-28-06 1420	2	4oz		LEAD	NONE	

Relinquished by:	Date/Time	Received by:	Date/Time	Received by:	Date/Time
Dyp McCaill	7-28-06 17:10	Matt Nelson	7/31/06 11:00		7-31-06 11:45

New York State Project: Yes _____ No _____

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	PP13 Metals
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	RCRA8 Metals
4	Nitrite N	9	BOD	14	Turbidity	19	8021B	24	8260/8260B	29	
5	Nitrate N	10	Alkalinity	15	Conductivity	20	8010/8020	25	8270 B/N or Acid	30	
31	Metals (As Is, Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn										
32	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)					33					
34	Other										

LAB USE ONLY
Delivery: Client
Temp: 4.3°C
Comment:

(White, Yellow, Pink Copy - Laboratory / Goldenrod Copy - Client)

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

ESPC
PO Box 212
Williston, VT. 05495
Attn: Erik Sandblom

PROJECT: Northern Car Crushers/20041039
ORDER ID: 46919
RECEIVE DATE: July 31, 2006
REPORT DATE: August 22, 2006

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

M- indicates Laboratory Fortified Matrix analysis indicates there may be a negative interference.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

Enclosures

ACCREDITED IN ACCORDANCE WITH
NELAP 11269

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Grove-1
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279500
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
4-Chlorotoluene	< 1.0
2-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloroprapene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	6.5
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	93.%
Surrogate 2	99.%
Surrogate 3	98.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Grove-2
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279501
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropane	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	102.%
Surrogate 2	100.%
Surrogate 3	89.%
UIP's	0.

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Grove-3
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279502
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
4-Chlorotoluene	< 1.0
2-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	104.%
Surrogate 2	100.%
Surrogate 3	89.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH NELAP
NELAP 11248

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Grove-4
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279503
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	99.%
Surrogate 2	98.%
Surrogate 3	87.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH NELAC
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Grove-5
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279504
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
4-Chlorotoluene	< 1.0
2-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	100.%
Surrogate 2	100.%
Surrogate 3	85.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Pine-1
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279505
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	103.%
Surrogate 2	100.%
Surrogate 3	88.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Pine-2
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279506
DATE SAMPLED: July 28, 2006
TIME SAMPLED: Nl
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	20.9
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	97.%
Surrogate 2	99.%
Surrogate 3	101.%
UIP's	0.

PJLAP 11243

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Pine-3
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279507
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0M-
Chloroform	4.9
Chloromethane	< 3.0
2-Chlorotoluene	< 1.0
4-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	105.%
Surrogate 2	99.%
Surrogate 3	85.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH NELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Pine-4
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279508
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
4-Chlorotoluene	< 1.0
2-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	98.%
Surrogate 2	99.%
Surrogate 3	101.%
UIP's	0.

ACCREDITED IN ACCORDANCE WITH NELAP
ELAP 11263

ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

SW 8260B

CLIENT: ESPC
PROJECT: Northern Car Crushers/20041039
SITE: Duplicate
DATE RECEIVED: July 31, 2006
REPORT DATE: August 22, 2006
ANALYSIS DATE: August 11, 2006

ORDER ID: 46919
REFERENCE NUMBER: 279509
DATE SAMPLED: July 28, 2006
TIME SAMPLED: NI
SAMPLER: DM
ANALYST: 725

Parameter	Result ug/L
Acetone	< 10.0
Benzene	< 1.0
Bromobenzene	< 1.0
Bromochloromethane	< 2.0
Bromodichloromethane	< 1.0
Bromoform	< 2.0
Bromomethane	< 5.0
2-Butanone	< 10.0
n-Butylbenzene	< 1.0
sec-Butylbenzene	< 1.0
tert-Butylbenzene	< 1.0
Carbon Disulfide	< 5.0
Carbon Tetrachloride	< 1.0
Chlorobenzene	< 1.0
Chloroethane	< 5.0
2-Chloroethyl Vinyl Ether	< 20.0
Chloroform	< 1.0
Chloromethane	< 3.0
4-Chlorotoluene	< 1.0
2-Chlorotoluene	< 1.0
Dibromochloromethane	< 2.0
1,2-Dibromo-3-Chloropropane	< 2.0
1,2-Dibromoethane	< 2.0
Dibromomethane	< 2.0
1,2-Dichlorobenzene	< 1.0
1,3-Dichlorobenzene	< 1.0
1,4-Dichlorobenzene	< 1.0
Dichlorodifluoromethane	< 5.0
1,1-Dichloroethane	< 1.0
1,2-Dichloroethane	< 1.0
1,1-Dichloroethene	< 1.0
cis-1,2-Dichloroethene	< 1.0
trans-1,2-Dichloroethene	< 1.0
1,2-Dichloropropane	< 1.0
1,3-Dichloropropane	< 1.0
2,2-Dichloropropane	< 1.0

Parameter	Result ug/L
1,1-Dichloropropene	< 1.0
cis-1,3-Dichloropropene	< 1.0
trans-1,3-Dichloropropene	< 1.0
Diethyl Ether	< 5.0
Ethylbenzene	< 1.0
Hexachlorobutadiene	< 2.0
2-Hexanone	< 10.0
Isopropylbenzene	< 1.0
p-Isopropyltoluene	< 1.0
Methylene Chloride	< 5.0
4-Methyl-2-Pentanone	< 10.0
MTBE	< 2.0
Naphthalene	< 2.0
n-Propylbenzene	< 1.0
Styrene	< 1.0
1,1,1,2-Tetrachloroethane	< 2.0
1,1,2,2-Tetrachloroethane	< 2.0
Tetrachloroethene	< 1.0
Tetrahydrofuran	< 10.0
Toluene	< 1.0
1,2,3-Trichlorobenzene	< 2.0
1,2,4-Trichlorobenzene	< 2.0
1,1,1-Trichloroethane	< 1.0
1,1,2-Trichloroethane	< 1.0
Trichloroethene	< 1.0
Trichlorofluoromethane	< 2.0
1,2,3-Trichloropropane	< 2.0
1,2,4-Trimethylbenzene	< 1.0
1,3,5-Trimethylbenzene	< 1.0
Vinyl Chloride	< 2.0
Xylenes, Total	< 2.0
Surrogate 1	99.%
Surrogate 2	99.%
Surrogate 3	99.%
UIP's	2.

ACCREDITED IN ENVIRONMENTAL WORK
ELAP 11263

ENDYNE, INC.
160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

43512

Special Reporting Instructions:

Project Name: Northern Car Crushers # 20041039		Reporting Address: ESPC	Billing Address: ESPC
Endyne Order ID: (Lab Use Only) 46919	-0 -I -S	Company: Contact Name/Phone #:	Sampler Name: DM Phone #:

Lab # (Lab Use Only)	Sample Identification	Matrix	[illegible]	[illegible]	Date/Time	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
	GROVE -1	H_2O	X		7-28-06	2	40ml		8260	HCL	
	GROVE -2	↓	X		↓	↓	↓		↓	↓	
	GROVE -3		X								
	GROVE -4		X								
	GROVE -5		X								
	PINE -1		X								
	PINE -2		X								
	PINE -3		X								
	PINE -4		X								
	Duplicate Grove-3	↓	X		↓	↓	↓		↓	↓	

Relinquished by:	Date/Time	Received by:	Date/Time	Received by:	Date/Time
D. McGill	7-28-06 17:10	[signature]	7/31/06 1084	M. Kaye	7/31/06 11:45 am

New York State Project: Yes X No ____

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	PP13 Metals
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	RCRA8 Metals
4	Nitrite N	9	BOD	14	Turbidity	19	8021B	(24)	8260/8260B	29	
5	Nitrate N	10	Alkalinity	15	Conductivity	20	8010/8020	25	8270 B/N or Acid	30	

31 Metals (As is, Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn

32 TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides) 33

34 Other

LAB USE ONLY
Delivery: [illegible]
Temp: 4.5°C
Comments:

(White, Yellow, Pink Copy - Laboratory / Goldenrod Copy - Client)

Appendix E

Groundwater Elevation Data
Grove St. and Pine St. Facilities

Liquid Level Monitoring Data
Northern Car Crushers, Keeseville, New York
Grove Street Scrap Yard and Pine Street Trailer Yard
Measurement Date: July 28 2006

Well I.D.	Top of Casing Relative Elevation	Depth to Product	Depth to Water	Product Thickness	Specific Gravity of Product	Water Equivalent	Corrected Depth to Water	Corrected Groundwater Elevation
GROVE-1	TBD	-	**38.10**	-	-	-	-	**TBD**
GROVE-2	TBD	-	**32.29**	-	-	-	-	**TBD**
GROVE-3	TBD	-	**36.11**	-	-	-	-	**TBD**
GROVE-4	TBD	-	**34.79**	-	-	-	-	**TBD**
GROVE-5	TBD	-	**30.01**	-	-	-	-	**TBD**
PINE-1	TBD	-	**14.13**	-	-	-	-	**TBD**
PINE-2	TBD	-	**9.45**	-	-	-	-	**TBD**
PINE-3	TBD	-	**9.45**	-	-	-	-	**TBD**
PINE-4	TBD	-	**7.19**	-	-	-	-	**TBD**

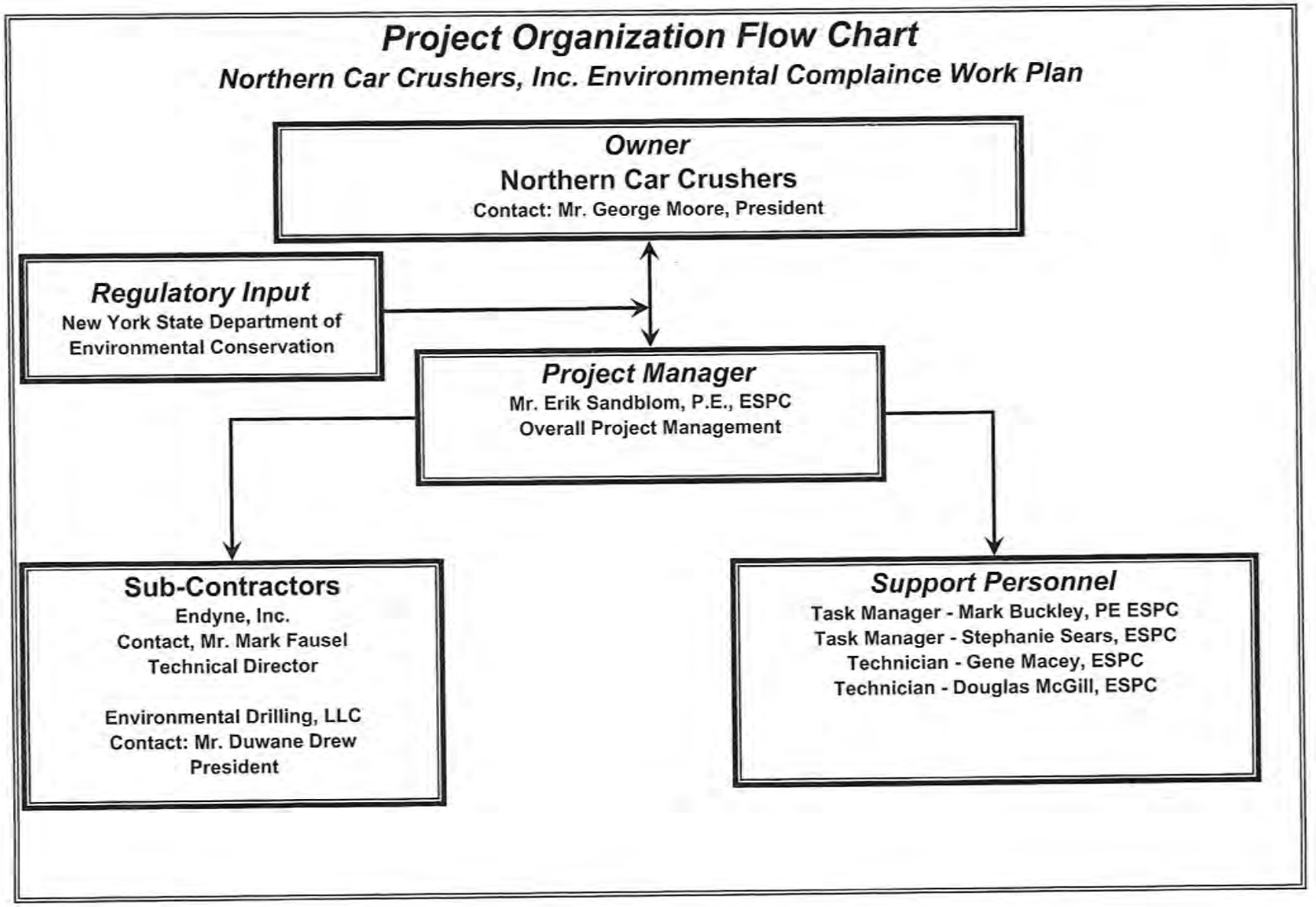
All values reported in feet
All depths below top of well casing
NM = Not Measured

Appendix F

Project Organizational Chart

Project Organization Flow Chart

Northern Car Crushers, Inc. Environmental Complaince Work Plan

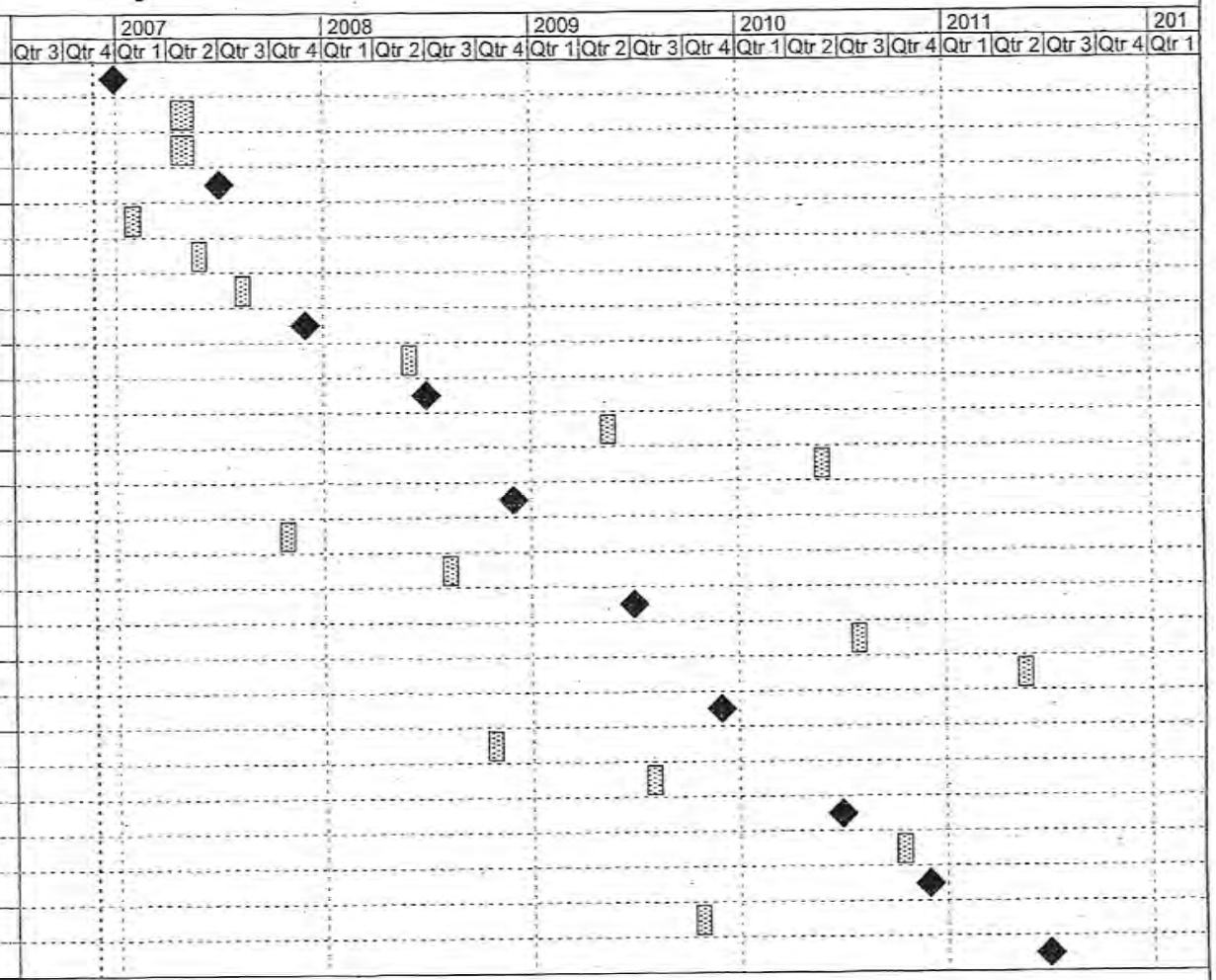


Appendix G

Master Project Schedule

Northern Car Crushers
Remedial Investigation and Remedial Action Work Plan
Project Master Schedule

ID	Task Name
1	Work Plan Approval
2	Groundwater Investigation - Weld Shop
3	Groundwater Investigation - Main Office
4	Report Submittal
5	Grove Street - Sector A Soils Investigation
6	Grove Street - Sector B Soils Investigation
7	Grove Street - Sector C Soils Investigation
8	Report Submittal
9	Grove Street - Sector D Soils Investigation
10	Report Submittal
11	Grove Street - Sector E Soils Investigation
12	Grove Street - Sector F Soils Investigation
13	Report Submittal
14	Pine Street - Sector A Soils Investigation
15	Pine Street - Sector B Soils Investigation
16	Report Submittal
17	Pine Street - Sector C Soils Investigation
18	Pine Street - Sector D Soils Investigation
19	Report Submittal
20	Weld Shop - Sector A Soils Investigation
21	Weld Shop - Sector B Soils Investigation
22	Report Submittal
23	Weld Shop - Sector C Soils Investigation
24	Report Submittal
25	Main Office - Sector A Soils Investigation
26	Report Submittal



Project: NCC_Schedule
Date: Tue 11/21/06

Task	Rolled Up Task	External Tasks	
Progress	Rolled Up Milestone	Project Summary	
Milestone	Rolled Up Progress	Group By Summary	
Summary	Split	Deadline	

Northern Car Crushers
Remedial Investigation and Remedial Action Work Plan
Project Master Schedule

ID	Task Name	2007				2008				2009				2010				2011				201
		Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
27	Main Office - Sector B Soils Investigation																					
28	Main Office - Sector C Soils Investigation																					
29	Report Submittal																					

Project: NCC_Schedule
Date: Tue 11/21/06

Task		Rolled Up Task		External Tasks	
Progress		Rolled Up Milestone	◇	Project Summary	
Milestone	◆	Rolled Up Progress		Group By Summary	
Summary		Split		Deadline	⇩

PO Box 2787
43 Durkee St.
Suite 500
Plattsburgh, NY 12901
Ph. 518.563.9445
Fax 518.563.5189

KAS INC.
www.kas-consulting.com
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,

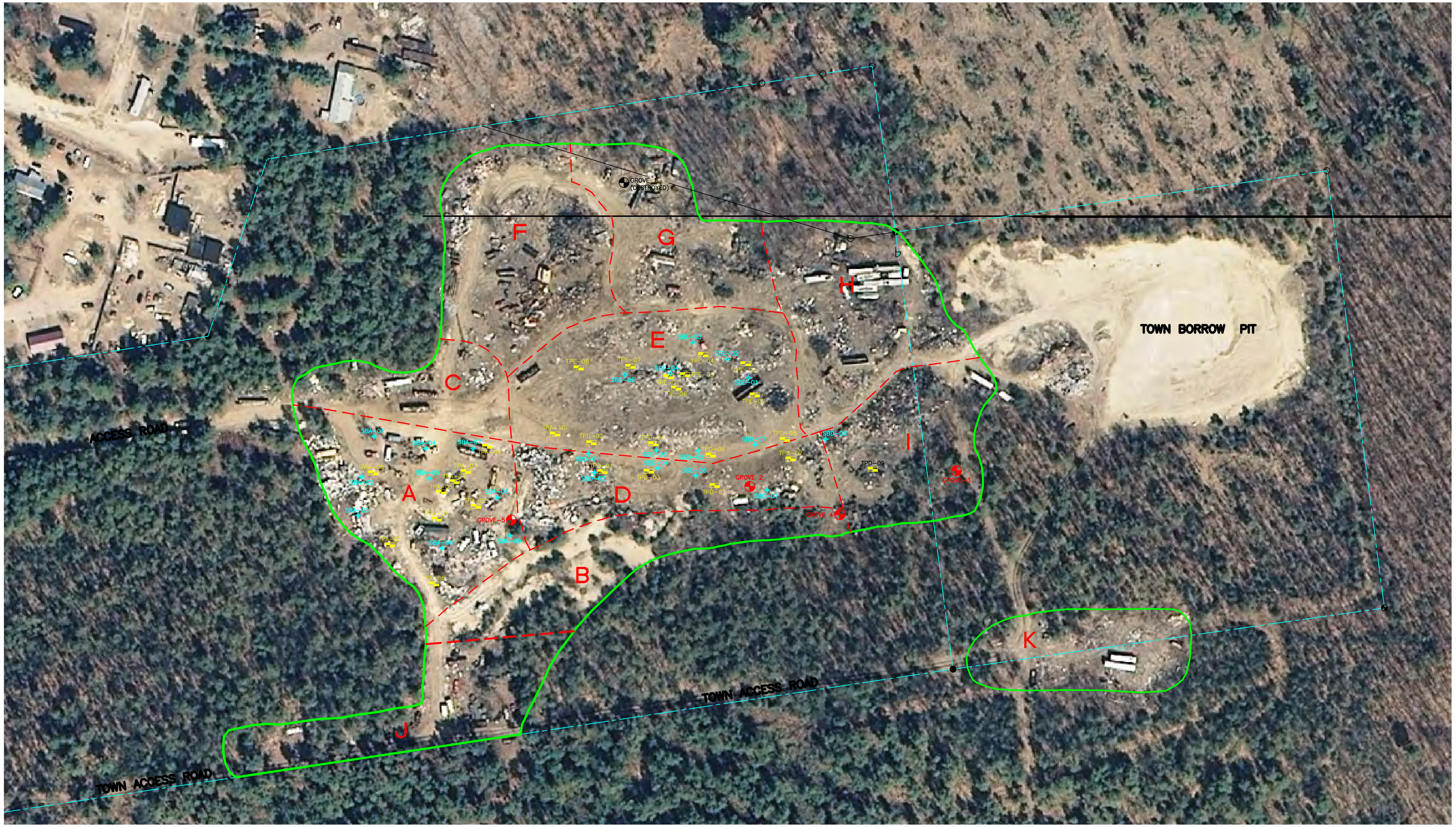
Aaron Roth
Branch Manager

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)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

Table of Contents

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	DMA	12/17/12	SO	Soil	TP-E-9
MC16950-15	12/14/12	09:20	DMA	12/17/12	SO	Soil	SB-D-1-4
MC16950-16	12/14/12	12:00	DMA	12/17/12	SO	Soil	SB-D-5,6,7,8
MC16950-17	12/14/12	12:20	DMA	12/17/12	SO	Soil	SB-E-1-5
MC16950-18	12/14/12	11:40	DMA	12/17/12	SO	Soil	TP-E-1-8
MC16950-19	12/14/12	11:40	DMA	12/17/12	SO	Soil	TP-F-1-8
MC16950-20	12/13/12	00:00	DMA	12/17/12	AQ	Trip Blank Water	TRIP BLANK
MC16950-21	12/14/12	00:00	DMA	12/17/12	AQ	Trip Blank Water	TRIP BLANK
MC16950-22	12/14/12	13:25	DMA	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	**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	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	**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	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	**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		

	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	**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.	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
Matrix: SO - Soil
Method: DAI
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	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	**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		

	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	**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		

	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
Matrix: SO - Soil
Method: DAI
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	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	**Date Sampled:**	12/13/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
		Percent Solids:	92.9
Project:	Scrap Yard, Grove Street, Keeseville, NY		

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

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	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
		Percent Solids:	86.8
Project:	Scrap Yard, Grove Street, Keeseville, NY		

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-E-1-5		
Lab Sample ID:	MC16950-17	**Date Sampled:**	12/14/12
Matrix:	SO - Soil	**Date Received:**	12/17/12
		Percent Solids:	88.0
Project:	Scrap Yard, Grove Street, Keeseville, NY		

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	**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		

	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

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: [illegible]
- Phone #: 518-563-9440 Fax #: 518-563-3189
- Sampler(s) Name(s): Aaron Roth / Dan [illegible]

Project Information

- Project Name: Scrap Yard
- Street: Grove Street
- City: Keeseville, NY
- Project #: 407125024
- 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

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

Sample #	Field ID / Point of Collection	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	1010	AR	SO	1					X									X	
-7	TP-A-5	12/13/12	1015	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) — Approved By (Accutest PM) / Date:

- [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 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: 4.5, 1.0, 1.5, 1.1

REVISED 1/16/13 [illegible]

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 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

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: Plattsburgh State: NY Zip: 12901
Project Contact: Aaron Roth E-mail: aaron@kasconsulting.com
Phone #: 518-563-9445 Fax #: 518-563-5109
Sampler(s) Name(s): Aaron Roth / Doug McGill

Project Information

Project Name: Scrap Yard and Former Weld Shop
Street: Grove St and Route 75
City: Keeseville, NY
Project #: 40712502 4
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: Keeseville State: NY Zip: 12944
Attention: Carolyn Moore

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	2	HCl	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	TCL Volatiles + 10	TCL Semi-Volatiles + 20	PCBs / Pesticides	Glycols /	TAL Metals	LAB USE ONLY
-13	TP-E-5		12/14/12	1105	AR	SO	7					X		X		X	X	X	X	X	~~X~~	
-14	TP-E-9		12/14/12	1105	AR	SO	7					X		X		X	X	X	X	X	~~X~~	
-15	SB-E-1-4		12/14/12	920	AR	SO	1					X									X	
-16	~~SB-E-3.6-7.8~~ SB-D-3.6-7.8		12/14/12	1205	DM	SO	1					X									X	
-17	SB-E-1-3 (AR)		12/14/12	1220	DM	SO	1					X									X	
-18	TP-E-1-8		12/14/12	1140	AR	SO	1					X									X	
-19	TP-F-1-8		12/14/12	1130	AR	SO	1					X									X	
-20	Trip Blank		12/13/12	–								X										
-21	Trip Blank		12/14/12	–								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

Approved By (Accutest PM): / Date:

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 [illegible]

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: 1 (signature)	Date Time: 12/14/12 1610	Received By: 1 FX	Relinquished By: 2 FX	Date Time: 12-15-12 945	Received By: 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.

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: aroth@kasenvironmental.com
- Phone #: 518-563-9445 Fax #: 518-563-5189
- Sampler(s) Name(s): Aaron Roth / Doug McGill

Project Information

- Project Name: Scrap Yard
- Street: Grove Street
- City: Keeseville, NY
- Project#: 440712S024
- Client PO#: -
- Project Manager: Aaron Roth

Billing Information (If different from Report to)

- Company Name: George Moore Trucking 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

Approved By (Accutest PM): / Date:

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

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	9:45 12-15-12	2 [signature]
3		3	4		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 75
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	(JP)	
-14	TP-E-9		12/14/12	~~1103~~ 1105 (RE)	AR	SO	7					X		X	X		X	X	X	X	X	(JR)	
-15	SB-EPA-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 Labtink

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
CF

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						
5	Relinquished by:	Date Time:	Received By:	Custody Seal # / Intact / Not Intact / Preserved where applicable / On Ice / Cooler Temp.		

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.

MC16950: Chain of Custody
Page 6 of 6

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 Methods: SW846 6010C
Matrix Type: SOLID 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).

APPENDIX C

Remedial Action Work Plan

REMEDIAL ACTION WORK PLAN

Weld Shop
Route 9 South
Keeseville, New York 12944

June 13, 2016
Revised: September 13, 2016

Prepared for:

Estate of George Moore
PO Box 385
187 Pleasant Street, Suite 2
Keeseville, New York 12944

KAS Project # 407125024

PREPARED BY:

43 Durkee Street, Suite 500
P.O. Box 2787
Plattsburgh, NY 12910
(518) 563-9445, (518) 563-5189 fax
www.kas-consulting.com

TABLE OF CONTENTS

1.0 INTRODUCTION AND BACKGROUND

New York State Department of Environmental Conservation (NYSDEC) performed an inspection at what is known as the former Weld Shop for George Moore Trucking and Equipment, which is now under different ownership, located along Route 9 South in Keeseville, New York on May 5, 2016 (see Site Location Map – Appendix A). Erik C. F. Sandblom, PE PC (ESPC) and KAS, Inc. (KAS) performed previous investigation and remedial work at the site including the following:

- Initial Subsurface Investigation Report – Weld Shop Facility prepared by ESPC and dated January 31, 2005;
- Additional Site Investigation and Soil Remediation Work Plan prepared by ESPC and dated May 8, 2006;
- Work Plan for Remedial Investigation and Remedial Action prepared by ESPC and dated November 24, 2006; and,
- Soil Sampling and Groundwater Monitoring Summary – Scrap Yard and Sampling of Core Sand – Former Weld Shop prepared KAS and dated February 1, 2013.

The work performed by ESPC did not identify any significant contamination and the minimal contamination identified was resolved. The only outstanding issue was the composition of the core sand on-site and results of the 2013 sampling indicated that the core sand is non-hazardous.

The purpose of the NYSDEC inspection in May 2016 was to identify and resolve any remaining environmental issues for the former Weld Shop. A reportable spill was identified and called into the NYSDEC Spill hotline. The spill was identified as NYSDEC Spill Number 1601199 and consisted of approximately 5 gallons of motor oil spilled onto the ground from equipment. The soil was reportedly excavated by the current owner; however, as of the date of this report, the spill has not been closed. The NYSDEC also requested that a Remedial Action Work Plan be prepared and implemented to address other surface contamination identified during the removal of equipment/stored items at the Weld Shop. This Remedial Action Work Plan addresses handling of contaminated soils and procedures for ensuring that the soils are sufficiently removed.

2.0 REMEDIAL ACTION IMPLEMENTATION

The following remedial action has been designed to comply with applicable local, state and federal regulations. The remedy selected is excavation and disposal of contaminated soils following the removal of equipment/stored items from the former Weld Shop site. The contaminated soils will be characterized prior to disposal. The following specific tasks will be performed:

2.1 Health and Safety Planning

A site-specific HASP will be prepared and implemented to govern the safety aspects of the proposed tasks in accordance with OSHA requirements. KAS will appoint one of its 40-hour OSHA 1910.120 trained personnel as the Site Safety Officer. The KAS Site Safety Officer or his/her consignee will have final authority in all safety-related decisions. No work will take place at the site without a Site Safety Officer present.

A copy of the HASP will be kept at the site and will be available to other parties at any time requested. Site subsurface work will not begin until the HASP has been prepared. A KAS scientist or engineer will be present to conduct air monitoring during the excavation activities.

2.2 Remedial Action Details

Following the removal of the equipment and stored items, contaminated soils requiring removal will be identified by a KAS' field technician. In general, the KAS' field technician will work from one end of the site to the other. Contaminated soils will be identified by surface staining or stressed vegetation. The contaminated soils will be field screened for volatile organic compounds (VOCs) using a properly calibrated photoionization detector (PID). Contaminated soils will be defined as soils exhibiting a PID reading of greater than 10 parts per million volume (ppmv). The representatives of the Estate shall arrange to have the identified contaminated soils excavated until the soil exhibits a PID below 10 ppmv. The contaminated soil will be staged on a minimum of 6-mil poly liner or in a roll-off container and covered with minimum 6-mil poly.

Once the contaminated soils have been staged, KAS will collect composite soil samples of the contaminated soil in accordance with landfill requirements. Sample analysis is expected to include VOCs, semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs). All samples will be placed in a cooler with ice along with a properly completed chain of custody for storage and transportation to the laboratory. Upon receipt of laboratory results, KAS will complete the required waste profile. It is presumed that the contaminated soil will be acceptable at either Clinton County or Franklin County Landfill, both NYSDEC permitted landfills, as non-hazardous waste. The contaminated soil will be transported by a transporter with a proper NYSDEC Subpart 364 permit. KAS will require copies of any special waste manifests and landfill disposal receipts generated for this project.

2.3 Site Reporting

KAS will prepare a summary report following completion of the remedial action and receipt of laboratory results. The following will be included with the report, but will not be limited to:

- Summary of field work performed;
- Summary of laboratory results with comparison to regulatory limits;
- Site Plan including locations of excavated soils;

- Any special waste manifests, landfill disposal receipts and quantities of contaminated soils; and,
- Conclusions and recommendations.

3.0 SCHEDULE

The schedule for this work is largely dependent on removal of equipment and stored items on the site. It is anticipated that once the equipment and stored items are removed that the excavation of contaminated soils can be accomplished in one day. If more advantageous portions of the subject property can be done at a time. Laboratory results will be available two weeks from receipt of samples at the laboratory. The summary report will be completed within two weeks of receipt of landfill disposal receipts.

ATTACHMENT 1

Map

Site Plan

North

Source: www.essex.co.gov

kas
environmental science & engineering

Site Plan

Former Weld Shop
Keeseville, New York

Site Location Map
Tax Map

Date:	06/06/16	Drawing No	0	Scale:	N/A	By:	AR