Former Weld Shop
1823 Route 9 South
Chesterfield, New York 12950

KAS Job #407125024
DEC Case No. R5-20030915-372

REMEDIAL INVESTIGATION REPORT

February 27, 2019

Prepared for:
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1.0 Executive Summary

This report summarizes the Remedial Investigation completed at the Former Weld Shop located at 1823 Route 9 South in Chesterfield, Clinton County, New York (herein referred to as the Site). KAS, Inc. (KAS) was hired by the Estate of George Moore to perform the remedial investigation required by Interim Order on Consent DEC Case No. R5-20030915-372 "In the Matter of Violations of Articles 17, 27, and 37 of the Environmental Conservation Law of the State of New York ("ECL") and Title 6 Parts 360, 371, 372, 750 and former Part 613 of the Official Compilation of Codes, Rules and Regulations of the State of New York ("6 NYCRR")". As part of the Interim Order on Consent, a Remedial Investigation Work Plan (RIWP) dated June 13, 2018 and revised July 25, 2018 was approved in a letter from the New York State Department of Environmental Conservation (NYSDEC) dated September 17, 2018. KAS' scope of work outlined in the approved RIWP included preparing a health and safety plan, the installation of ten (10) soil borings to the soil/groundwater interface, the completion of seven (7) of the ten (10) soil borings as monitoring wells, surveying/development/depth to water measurements and sampling of the monitoring wells, the determination of groundwater flow direction and gradient, and preparing the Remedial Investigation report.

On October 31 and November 1, 2018, KAS and Aztech Technologies, Inc. (Aztech) of Ballston Spa, New York advanced ten (10) soil borings (SB-1 through SB-10) and completed seven (7) of the borings as groundwater monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, and MW-10) using a truck-mounted Geoprobe® 3230DT rig. Ms. Samantha Salotto of the NYSDEC was on-site during the investigation. Borings were advanced to an estimated depth of eight (8) to eighteen (18) feet below ground surface (bgs). Soils were logged continuously, visually observed, and screened for the presence of volatile organic compounds (VOCs) using a properly calibrated MiniRae Lite model photoionization detector (PID) with a 10.6 eV bulb. One soil sample was collected per boring for laboratory analysis based on the highest PID reading, or at the soil/groundwater interface at the discretion of KAS' field personnel. No elevated PID readings, odors, or staining were noted in the soil samples except for in soil borings SB-4 and SB-5. SB-4 had a PID reading of 0.5 parts per million by volume (ppmv) at the interval 0-5 feet bgs. SB-5 had a PID of 1.0 ppmv at the interval 5-10 feet bgs and 25.8 ppmv at the interval 10-15 feet bgs. Soil samples were analyzed for VOCs by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270 and polychlorinated biphenyls (PCBs) by EPA Method 8082. VOC and SVOC analyses also included Tentatively Identified Compounds (TICs).

SVOC and PCB constituents in all ten (10) of the soil samples were below the laboratory detection limits. 2-Butanone and/or Acetone were detected in all soil samples above the NYSDEC Soil Cleanup Objective (SCO) – Unrestricted Use Standard and are often laboratory artifacts. Based on the persistence of these constituents and quality assurance/quality control data, it does not appear these detections are indicative of on-site impacts. The only other VOC detections were Benzene in SB-4, Chloromethane in SB-7, SB-9 and DUPE-1, 4-Methyl-2-Pentanone in SB-7, Dichloromethane in SB-10, Methyl Acetate in all samples except SB-10, and Methyl tert-Butyl Ether (MTBE) in all samples except SB-5 and SB-10; all of which were below NYSDEC SCO – Unrestricted Use Standards. Several SVOC and VOC TICs were identified in the soil samples, but were of unregulated constituents and at a low order of magnitude.

KAS completed, developed, purged, sampled, gauged and surveyed seven (7) of the ten (10) borings as monitoring wells. Groundwater samples were collected in laboratory-provided containers for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270. The VOCs and SVOCs also included the analysis of TICs. Acetone was detected above laboratory detection limits in all groundwater samples collected, except MW-8, but below the Division of Water Technical and Operational Guidance Series (TOGS). Acetone, as was the case with the soil samples, is likely a laboratory artifact and is not indicative of on-site impacts. Caprolactam was detected above laboratory detection limits in the groundwater samples collected from MW-5 and MW-10 and is typically used in the production of Nylon 6 filament, fiber, and plastics. The constituent Caprolactam does not have a regulatory standard and is often associated with manufacturing processes and no known manufacturing has occurred on the Site. No other compounds were detected above laboratory detection limits. One SVOC TIC was identified in MW-7, which is unregulated and not considered to represent a concern.

Based on the results of the Remedial Investigation KAS presents the following conclusions:

1. Soils in SB-4 and SB-5 exhibited PID readings for VOCs, ranging from 0.5 ppmv in SB-4 to 1.0 to 25.8 ppmv in SB-5. No other PID readings were noted;

2. Soil samples were collected from all ten (10) soil borings (SB-1 through SB-10) and analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270 and PCBs by EPA Method 8082. No SVOC or PCBs were detected. Acetone and 2-Butanone (both VOCs) were detected above the NYSDEC SCO – Unrestricted Use Standard, but based on QA/QC data are likely laboratory artifacts. The only other detections were Benzene in SB-4, Chloromethane in SB-7, SB-9 and DUPE-1, 4-Methyl-2-Pentanone in SB-7, Dichloromethane in SB-10, Methyl Acetate in all soil samples except SB-10, and Methyl tert-Butyl Ether in all soil samples except SB-5 and SB-10; all of which were below NYSDEC SCO – Unrestricted Use Standards;

3. On January 4, 2019, the monitoring wells were surveyed and depth to groundwater was measured at all seven (7) monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, and MW-10). Depth to groundwater ranged from 9.50 feet below top of casing (btoc) in MW-3 to 13.75 feet btoc in MW-9 with a groundwater flow direction to the northwest at an approximate hydraulic gradient of 0.6%; and,

4. Groundwater samples were collected from all seven (7) monitoring wells and analyzed for VOCs and SVOCs by EPA Method 8260 and EPA Method 8270. No dissolved volatile or semi-volatile constituents were reported to be above the laboratory detection limits in the samples collected from the onsite monitoring wells except for Acetone and Caprolactam. Acetone, likely a lab artifact, has a TOGs guidance limit of 50 ug/L and Caprolactam does not have a state regulatory guidance limit, detected concentrations were below standards and not considered to be indicative of on-site impacts.

Based on the results of the Remedial Investigation, there does not appear to be soil or groundwater impacts requiring remediation. As such, KAS recommends the following:

1. No further investigation; and,
2. No Remedial Action Work Plan appears warranted and as such, this site does not require additional action.

2.0 Introduction and Background

This report provides methodology, results, conclusions and recommendations for the Remedial Investigation conducted at the Former Weld Shop, located at 1823 Route 9 South in Chesterfield, Essex County, New York (see Site Location Map, Attachment A). KAS, Inc. (KAS) conducted this work for the Estate of George Moore in response to the Interim Order of Consent received on May 23, 2018 issued by the New York State Department of Environmental Conservation (NYSEC). The Remedial Investigation work was conducted in accordance with KAS' Remedial Investigation Work Plan (RIWP) dated June 13, 2018 and revised July 25, 2018 and approved by Samantha Salotto of the NYSDEC on September 17, 2018.

The Former Weld Shop was previously used by George Moore Trucking & Equipment and prior to that by Northern Car Crushers, Inc. (Northern Car Crushers), which was an automotive recycling company that operated four facilities in the Village of Keeseville and Chesterfield, New York. Operations by Northern Car Crushers at the Former Weld Shop included vehicle and equipment maintenance and repair, and vehicle, trailer, and equipment storage. Prior to Northern Car Crushers' use of the Site, the Site reportedly contained an air field, which included a runway, several hangers and fuel tanks. The hangars and fuel tanks were reportedly removed and representatives of the NYSDEC reportedly oversaw their removal.

The Site is currently owned by NC Properties, Inc. and depicted on the Site Location Map. The following previous investigations and remedial work has been conducted for the Site and was referenced in the approved RIWP:

- 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.

In May of 2016, the 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 given NYSDEC Spill #:1601199 and was the results of the release 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.

To comply with the Interim Consent Order, KAS prepared an approvable Remedial Investigation/Remedial Action Work Plan dated July 25, 2018 which was approved by the NYSDEC on September 17, 2018. The objective of the Remedial Investigation Work Plan is to confirm the nature and extent of any subsurface impacts and subsequently address any impacts. Copies of the above-mentioned reports can be found in the Remedial Investigation Work Plan previously submitted to and accepted by the NYSDEC.

3.0 Scope of Work

This remedial investigation was conducted in accordance with the approved RIWP. Specifically, the scope of work included the following; preparing a health and safety plan, the installation of ten (10) soil borings to the soil/groundwater interface, the completion of seven (7) of the ten (10) soil borings as monitoring wells, surveying/development/depth to water measurements and sampling of the monitoring wells, determining the groundwater flow direction and gradient, and preparing the Remedial Investigation report.

Access to the Site was provided by the current owners. The investigation and sampling activities adhered to KAS' established protocols for these activities including soil and groundwater sampling. Copies of these protocols were on-Site during field activities and are available for review upon request. Results of the following investigative tasks performed by KAS are presented: monitoring well installation; soil screening, sampling and analysis; groundwater sampling and analysis; preparation of a conceptual site model; and evaluation of sensitive receptors in the vicinity of the Site.

3.1 Health and Safety Planning

A Site-specific HASP was prepared and implemented to govern the safety aspects of the remedial investigation in accordance with OSHA requirements. KAS appointed one of its 40-hour OSHA 1910.120 trained personnel as the Site Safety Officer. The KAS Site Safety Officer had final authority in all safety-related decisions. No work took place at the Site without a Site Safety Officer present and a copy of the HASP. Prior to the conducted work, KAS contacted Dig Safely New York to perform underground utility locates a minimum of 72 hours prior to the commencement of investigation activities.

3.2 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 installed ten (10) soil borings (SB-1 through SB-10) to the soil/groundwater interface. A boring location map has been included in Attachment A. KAS subcontracted Aztech Technologies, Inc. (Aztech) of Ballston Spa, New York to advance the soil borings. On October 31, 2018, Aztech used a truck-mounted Geoprobe® 3230DT rig to

advance the soil borings to an estimated depth of 8 to 18 feet below ground surface (bgs). Soils were logged continuously, visually observed, and screened for the presence of volatile organic compounds (VOCs) using a properly calibrated MiniRae Lite model photoionization detector (PID) with a 10.6 eV bulb (see Attachment C – Monitoring Well & Boring Logs). Prior to screening, the PID was verified with isobutylene with reference made to benzene. Soils were screened using the KAS *Jar/Polyethylene Bag Headspace Screening Protocol*. Soils consisted primarily of sands and gravel. One soil sample was collected per boring for laboratory analysis based on the highest PID reading, or at the soil/groundwater interface at the discretion of KAS' field personnel. No elevated PID readings, odors, or staining were noted in the soil samples except for in soil borings SB-4 and SB-5. SB-4 had a PID reading of 0.5 parts per million by volume (ppmv) at the interval 0-5 feet bgs. SB-5 had a PID reading of 1.0 ppmv at the interval 5-10 feet bgs and 25.8 ppmv at the interval 10-15 feet bgs.

All samples were placed in a cooler with ice along with a properly completed chain of custody for storage and transportation to the laboratory. Soil samples were analyzed for VOCs by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270 and polychlorinated biphenyls (PCBs) by EPA Method 8082. VOC and SVOC analyses also included Tentatively Identified Compounds (TICs). Samples were sent to ALS Environmental of Rochester, New York, an ELAP-certified laboratory. The soil analytical results for this investigation were compared to the NYSDEC CP-51/Soil Cleanup Guidance, and the NYSDEC Soil Cleanup Objectives (SCO) – Unrestricted, Residential, Commercial, and Industrial Use standards. A copy of the laboratory report is included in Attachment B.

3.3 Groundwater Investigation

On November 1, 2018, to investigate groundwater, KAS completed seven (7) of the ten (10) borings, in close proximity of the former Weld Shop and along the eastern extent of the Site, as monitoring wells. The monitoring wells consisted of slotted 2" PVC pipe spanning the water table with a solid PVC pipe extending to grade (Attachment C). A silica sand pack was installed around the wells to within approximately four (4) feet of the ground surface, followed by an approximately one (1) foot bentonite seal and then more silica sand to grade. Minimal cuttings were generated during installation due to collapse of the material. Sand and gravel cuttings, which did not exhibit PID readings, were spread on the ground surface. All monitoring wells were finished with flush-mount roadboxes encased in concrete at the request of the Site owner. On November 7, 2018 KAS returned to the Site to develop the wells by purging of five (5) well volumes but did not sample the wells at this time in order to allow the wells to stabilize.

On November 27, 2018, KAS collected depth to groundwater measurements from the seven (7) monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, & MW-10) on the Site. No light non-aqueous phase liquid (LNAPL) was observed during gauging. After gauging the depth to water, three (3) well volumes were purged from the monitoring wells prior to collection of groundwater samples. During the sampling event, groundwater samples were collected using a separate disposable bailer for each well.

The groundwater samples were submitted to ALS Environmental of Rochester, New York for laboratory analysis of VOCs and SVOCs by EPA Method 8260 with TICs and EPA Method 8270 with TICs. The groundwater analytical results for this investigation were compared to the New

York State Division of Water Technical and Operational Guidance Series (TOGS) standards. A copy of the laboratory report is included in Attachment B.

3.4 Determination of Groundwater Flow Direction and Gradient

On January 4, 2019, KAS returned to the Site to survey the wells and collect depth to groundwater measurements. KAS surveyed and collected depth to groundwater measurements from the seven (7) installed monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9 and MW-10). The depth to water was measured from the top-of-casing elevation using a water level indicator. Survey data for the monitoring wells was collected and groundwater flow was determined to be toward the northwest at an approximate hydraulic gradient of 0.6% (Attachment A – Groundwater Contour Map). LNAPL was not measured or observed in the seven (7) monitoring wells. Depth to groundwater ranged from 9.50 feet below top of casing (btoc) in MW-3 to 13.75 feet btoc in MW-9. Liquid level monitoring data is presented in Attachment D. The well locations are shown on the Site Map in Attachment A.

4.0 Analytical Results

4.1 Soil Analytical Results

The soil samples were analyzed for VOCs by EPA Method 8260 with TICs, SVOCs by EPA Method 8270 with TICs and PCBs by EPA Method 8082. The VOC samples were prepared either by EPA 5035A, EPA 5030C or with both to detect VOCs in the low range and high range. The SVOC and PCB constituents analyzed were below the laboratory detection limits, the NYSDEC CP-51/Soil Cleanup Guidance, and the NYSDEC Soil Cleanup Objectives – Unrestricted, Residential, Commercial, and Industrial Use standards in all ten (10) soil borings. Detections of 2-Butanone were found in all ten (10) boring locations, including the duplicate sample, with exceedances of the NYSDEC Soil Cleanup Objectives – Unrestricted Use standard in boring locations SB-1, SB-2, SB-6, SB-7, and SB-8. Acetone was detected, with exceedances of the NYSDEC Soil Cleanup Objectives – Unrestricted Use standard, in SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-8, SB-9 and DUPE-1. Acetone and 2-Butanone, are often laboratory artifacts and based on the persistence of these constituents and quality assurance/quality control data (see Section 4.4), it does not appear these detections are indicative of on-site impacts. Benzene was detected in SB-4, Chloromethane was detected in SB-7, SB-9 and DUPE-1, 4-Methyl-2-Pentanone was detected in SB-7, Dichloromethane was detected in SB-10, Methyl Acetate was detected in all samples except SB-10, and Methyl tert-Butyl Ether was detected in all samples except SB-5 and SB-10; all of which were detected above laboratory standards but below regulatory standards. SVOC and VOC TICs were identified in all soil borings above laboratory detection limits but generally did not have regulatory standards and were detections of a low order of magnitude. A copy of the analytical report and soil summary table are included in Attachment B.

4.2 Groundwater Analytical Results

The groundwater samples were collected from all seven (7) groundwater monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, and MW-10) and analyzed for VOCs by EPA Method 8260 with TICs and SVOCs by EPA Method 8270 with TICs. Acetone was detected above laboratory detection limits in MW-1, MW-3, MW-5, MW-7, MW-9, and MW-10 but below the Division of Water Technical and Operational Guidance Series (TOGS) and is likely a

laboratory artifact based on the persistence of the constituent and quality assurance/quality control data (see Section 4.4). Caprolactam was detected above laboratory detection limits in MW-5 and MW-10 and is typically used in the production of Nylon 6 filament, fiber, and plastics. The constituent Caprolactam does not have a regulatory standard, is often associated with manufacturing processes and no known manufacturing has occurred on the Site. Due to the typical use of the detected compounds, neither of the identified constituents are likely to be attributable to the Former Weld Shop activities. No other compounds were detected above laboratory detection limits except for an unknown SVOC TIC in MW-7 at 13 ug/L (Attachment B).

4.3 Quality Assurance/Quality Control

Prior to and during the remedial investigation, field equipment was calibrated in accordance with manufacturer specifications and KAS' protocol. Samples collected were also in accordance with KAS' protocols and were collected in laboratory provided containers. All laboratory analyses were performed by a New York State ELAP-approved laboratory. Some constituent concentrations, such as Acetone and Caprolactam in groundwater, were estimated values due to their concentrations being between the method detection limit and the method reporting limit and were "flagged" with a qualifier annotated as J. Some soil constituents also were "flagged" with qualifiers E, D, J, or B. The E qualifier indicated the concentration exceeded the calibration range or was estimated. The D qualifier indicated that the concentration is the result of a dilution. The J qualifier is the same for soils and water and the B qualifier indicated that the analyte was also detected in the method blank at a concentration that may contribute to the sample result. Both 2-Butanone (MEK) and Methyl Acetate were found in the method blank for soils, which is indicative of the constituents being laboratory artifacts. Acetone is a common laboratory solvent[1] and appears persistent in both soil and groundwater, is likely a laboratory artifact. All sample constituents detected above regulatory standards had one or more qualifier. KAS collected a duplicate groundwater sample from monitoring well MW-5 and a duplicate soil sample from soil boring SB-1 and compared the results to parent sample results to evaluate the data. Variability in the detection quantities were noted for the soil sample but were likely due to the lack of complete homogeneity in the material. The relative percent difference (RPD) values were calculated for groundwater. RPD is defined as one hundred times the difference between the actual sample and the duplicate sample, divided by the mean of the two samples. The RPD for total VOCs between MW-5 and the duplicate was 20.5% indicating excellent precision. Copies of the laboratory data and analytical tables are provided in Attachment B. No other data validation or electronic submittal will be provided For Quality Assurance/ Quality Control (QA/QC).

5.0 Conceptual Site Model

5.1 Site Conditions

The Former Weld Shop is located at 1823 Route 9 South in Chesterfield, New York. The Site is bordered by Route 9 to the west followed by residential properties and an antique store, forested land to the east, Upstone Materials to the south, and Moore 24 Towing and Repair to the north. According to Google Earth, the Site lies at an approximate elevation of 510 feet

[1] Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses – US EPA December 1994

above mean sea level (AMSL). The coordinates of the Site are approximately 44°29'32.17"North Latitude and 73°28'59.67" West Longitude. The Site is relatively flat but has an undulating topography on the eastern portion of the Site.

5.2 Geology

According to the USGS Web Soil Survey, the surficial deposits consist of sands and gravel. Based on the investigation conducted at the Site, the soils consist of fine to medium sand with gravel and trace silts (Monitoring Well and Boring Logs, Attachment C). According to the Geologic Map of New York, bedrock at the Site consists of Potsdam Sandstone. Bedrock was not encountered during drilling at depths between 8 and 18 feet bg.

5.3 Hydrogeology

Depth to groundwater ranged from 9.50 feet below top of casing (btoc) in MW-3 to 13.75 feet btoc in MW-9. Based on survey data, groundwater flow direction is to the northwest at an approximate hydraulic gradient of 0.6%. This is consistent with topography and the closest waterbody, the Ausable River, located approximately 2,000-feet to the north-northwest.

5.4 Apparent Source of Subsurface Impacts

No sources of subsurface petroleum impacts have been positively identified to date.

6.0 Sensitive Receptor Risk Assessment

A sensitive receptor risk assessment of the area surrounding the Site was performed, and a determination of the potential risk to identified receptors has been made based on observed subsurface impacts that have been identified in soils at the Site. The following sensitive receptor has been reviewed:

Subsurface Soils and Groundwater

Low level VOCs have been identified in the soil samples collected from the former Weld Shop Site. Acetone and 2-Butanone, which exceeded the NYSDEC Soil Cleanup Objectives – Unrestricted Use Standard, are often laboratory artifacts and are not likely indicative of on-site impacts. No groundwater samples had detections above regulatory standards.

Buildings in the Vicinity

The former Weld Shop is the only building located on the Site. The on-site building is slab on-grade construction and does not contain a basement. To the south is Upstone Materials, to the North is Moore 24 Towing and Repair, to the east is forested land and to the west is Route 9 followed by residential properties and an antique store. There does not appear to be significant risk of impact to indoor air quality in the vicinity of the on-site building.

Water Supplies

The Site is reportedly serviced by a municipal water supply, which is located a sufficient distance from the Site and is not believed to be at risk.

Utility Corridors

Underground utilities in the vicinity of the Site include municipal water and private septic. The municipal water line reportedly runs parallel with Route 9. Due to the lack of detections in groundwater, KAS does not consider there to be a potential for impacts to the underground utilities.

Surface Water

The closest surface water is the Ausable River which is located approximately 2,000-feet to the north-northwest of the Site (downgradient). The groundwater samples collected from the monitoring wells did not have any detections above regulatory standards. Given this data, there does not appear to be any risk to the Ausable River at this time.

7.0 Conclusions

Based on the results of the subsurface investigation completed at the Former Weld Shop, Chesterfield, New York, KAS presents the following conclusions:

1. On October 31 and November 1, 2018, KAS oversaw the advancement of ten (10) soil borings to a depth between 8 and 18 feet bgs and the completion of seven (7) of the ten (10) soil borings as monitoring wells;

2. Soils in SB-4 and SB-5 exhibited PID readings for VOCs, ranging from 0.5 ppmv in SB-4 to 1.0 to 25.8 ppmv in SB-5. No other PID readings were noted;

3. On January 4, 2019, the depth to groundwater was measured at all seven (7) monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, and MW-10). Depth to groundwater ranged from 9.50 feet below top of casing (btoc) in MW-3 to 13.75 feet btoc in MW-9 with a groundwater flow direction to the northwest at an approximate hydraulic gradient of 0.6%;

4. Soil samples were collected from all ten (10) soil borings (SB-1 through SB-10) and analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270 and PCBs by EPA Method 8082. VOC and SVOC analyses also included TICs;

5. Benzene was detected in soil sample SB-4, Chloromethane was detected in soil samples SB-7, SB-9 and DUPE-1, 4-Methyl-2-Pentanone was detected in soil sample SB-7, Dichloromethane was detected in soil sample SB-10, Methyl Acetate was detected in all soil samples except SB-10, and Methyl tert-Butyl Ether was detected in all soil samples except SB-5 and SB-10; all of which were detected above laboratory standards but below regulatory standards. Acetone and 2-Butanone (both VOCs) were detected above the

NYSDEC SCO – Unrestricted Use Standard, but based on QA/QC data are likely laboratory artifacts.

6. Groundwater samples were collected from all seven (7) on-site monitoring wells and analyzed for VOCs and SVOCs by EPA Method 8260 and EPA Method 8270;

7. No dissolved volatile or semi-volatile constituents were reported to be above the laboratory detection limits in the groundwater samples collected from MW-1, MW-3, MW-5, MW-7, MW-8, MW-9, and MW-10 except for Acetone and Caprolactam. Acetone, likely a lab artifact, has a TOGs guidance limit of 50 ug/L and Caprolactam does not have a state regulatory guidance limit, detected concentrations were below standards and not considered to be indicative of on-site impacts; and,

8. Based on the results of the subsurface investigation, no significant environmental risks to potentially sensitive receptors in the vicinity of the Site have been identified.

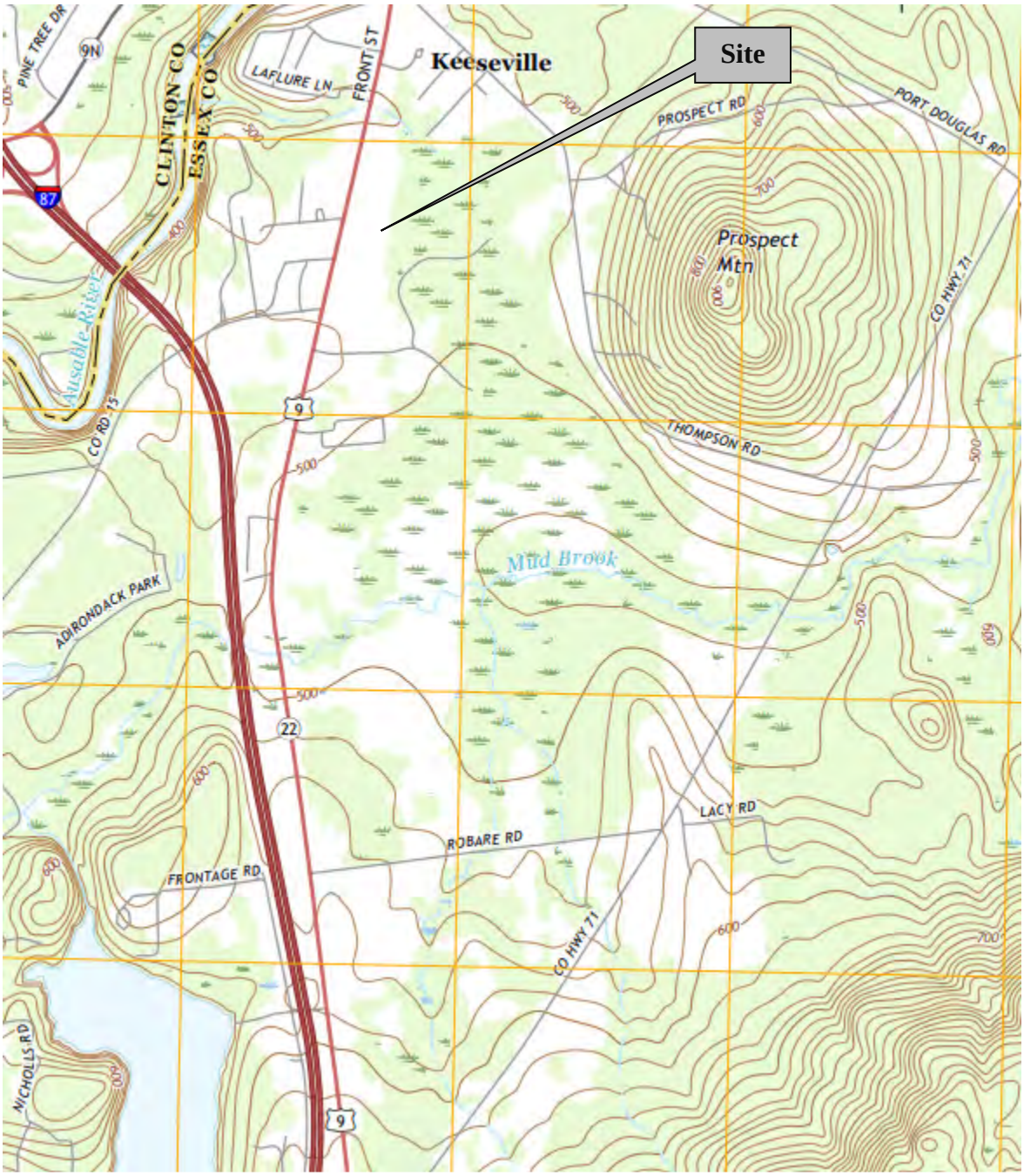
8.0 Recommendations

Based on the results of the Remedial Investigation, there does not appear to be soil or groundwater impacts requiring remediation. As such, KAS recommends the following:

1. No further investigation; and,
2. No Remedial Action Work Plan appears warranted and as such, this site does not require additional action.

Attachment A

1) Site Location Map
2) Site Map
3) Groundwater Contour Map
4) Groundwater Total VOC Concentration Map
5) Soil Acetone and MEK Concentration Map



1823 Route 9 South

Chesterfield, NY

Site Location Map

Source: USGS Store

Date: 02/06/19	Drawing: #1	Scale: NTS	By: AH

LEGEND

SB-7/MW-7 — MONITORING WELL

SB-2 — SOIL BORING

GRAPHIC SCALE

120' 0 60' 120' 240'

1 INCH = 120FEET

NOTES:
1. BASE MAP DEVELOPED FROM ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US, FIELD OBSERVATIONS, GPS DATA BY KAS, INC. ON 11/29/18, AND SURVEY DATA BY KAS, INC. ON 1/4/19.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.
3. SOIL BORINGS ADVANCED AND MONITORING WELLS INSTALLED ON 10/31/18 AND 11/1/18.

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FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

SITE MAP

DATE: 2/8/19	DWG. #: 1	SCALE: 1"=120'	DRN.: TB	APP.: AH

LEGEND

SB-7/MW-7
88.80'
MONITORING WELL WITH GROUNDWATER ELEVATION (FT)

SB-2
SOIL BORING

88.5'
GROUNDWATER ELEVATION CONTOUR (FT, DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPHIC SCALE

120' 0 60' 120' 240'

1 INCH = 120FEET

NOTES:
1. BASE MAP DEVELOPED FROM ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US, FIELD OBSERVATIONS, GPS DATA BY KAS, INC. ON 11/29/18, AND SURVEY DATA BY KAS, INC. ON 1/4/19.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.
3. SOIL BORINGS ADVANCED AND MONITORING WELLS INSTALLED ON 10/31/18 AND 11/1/18.

KAS #:407125024

589 Avenue D, Suite 10
PO Box 787
Williston, VT 05495
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802 383.0490 f

kas environmental science & engineering

FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

GROUNDWATER CONTOUR MAP
MEASURED: 11/27/18

DATE: 2/8/19	DWG. #: 2	SCALE: 1"=120'	DRN.: TB	APP.: AH

LEGEND

SB-7/MW-7 4.5	MONITORING WELL WITH TOTAL TARGETED VOC CONCENTRATION MAP (ug/L; M=8260C)
SB-2	SOIL BORING
ND	NONE DETECTED

GRAPHIC SCALE

120' 0 60' 120' 240'

1 INCH = 120FEET

NOTES:
1. BASE MAP DEVELOPED FROM ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US, FIELD OBSERVATIONS, GPS DATA BY KAS, INC. ON 11/29/18, AND SURVEY DATA BY KAS, INC. ON 1/4/19.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.
3. SOIL BORINGS ADVANCED AND MONITORING WELLS INSTALLED ON 10/31/18 AND 11/1/18.

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FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

GROUNDWATER: TOTAL VOC CONCENTRATION MAP
SAMPLED: 11/27/18

DATE: 2/8/19	DWG. #: 3	SCALE: 1"=120'	DRN.: TB	APP.: AH

LEGEND

SB-1/MW-1 ⊕ 290/500	SOIL BORING/MONITORING WELL WITH ACETONE AND MEK CONCENTRATIONS (ug/Kg; M=8260C)
SB-2 ⊙ 1,900/250	SOIL BORING WITH ACETONE AND MEK CONCENTRATION (ug/Kg; M=8260C)
840	VOC EXCEEDENACE OF NYSDEC CP-51 / SOIL CLEANUP GUIDANCE, UNRESTRICTED USE
MEK	2-BUTANONE (METHYL ETHYL KETONE)
ND	NONE DETECTED

GRAPHIC SCALE

120' 0 60' 120' 240'

1 INCH = 120FEET

NOTES:
1. BASE MAP DEVELOPED FROM ORTHOIMAGERY FROM NYS ORTHOS ONLINE AND PARCEL MAP FROM ESSEX-GIS.CO.ESSEX.NY.US, FIELD OBSERVATIONS, GPS DATA BY KAS, INC. ON 11/29/18, AND SURVEY DATA BY KAS, INC. ON 1/4/19.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.
3. SOIL BORINGS ADVANCED AND MONITORING WELLS INSTALLED ON 10/31/18 AND 11/1/18.

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FORMER WELD SHOP
1823 ROUTE 9 SOUTH
CHESTERFIELD, NEW YORK

SOIL: ACETONE AND MEK CONCENTRATION MAP
SAMPLED: 10/31/18

DATE: 2/26/19	DWG. #: 4	SCALE: 1"=120'	DRN.: TB	APP.: AH

Attachment B

Analytical Laboratory Report & Data Tables

Sampling Data Summary
Former Weld Shop
Chesterfield, New York

	Groundwater								
Sample Identification	MW-1	MW-3	MW-5	MW-7	MW-8	MW-9	MW-10	Dupe-13	TOGS
Sample Date	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	*Groundwater*
VOCs, EPA Method 8260 (ug/L)									
1,1,1-Trichloroethane (TCA)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,1,2-Trichloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,1-Dichloroethane (1,1-DCA)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,1-Dichloroethene (1,1-DCE)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
1,2,3-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.04
1,2-Dibromoethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
1,2-Dichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3
1,2-Dichloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1
1,2-Dichloropropane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1
1,3-Dichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3
1,4-Dichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3
1,4-Dioxane	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	NS
2-Butanone (MEK)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	50
2-Hexanone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	50
4-Methyl-2-pentanone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NS
Acetone	**3.5**	**3.3**	**5.1**	**4.5**	ND(10)	**3.7**	**4.8**	**4.3**	50
Benzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1
Bromochloromethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Bromodichloromethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Bromoform	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Bromomethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Carbon Disulfide	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NS
Carbon Tetrachloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Chlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Chloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Chloroform	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	7
Chloromethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Cyclohexane	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NS
Dibromochloromethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	50
Dichlorodifluoromethane (CFC 12)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Dichloromethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Ethylbenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Isopropylbenzene (Cumene)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Methyl Acetate	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NS
Methyl tert-Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Methylcyclohexane	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NS
Styrene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Tetrachloroethene (PCE)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Toluene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
Trichloroethene (TCE)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Trichlorofluoromethane (CFC 11)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
Vinyl Chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2
cis-1,2-Dichloroethene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
cis-1,3-Dichloropropene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
m,p-Xylenes	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
o-Xylene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS
trans-1,2-Dichloroethene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5
trans-1,3-Dichloropropene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.4
Total Reported VOCs	**3.5**	**3.3**	**5.1**	**4.5**	**ND**	**3.7**	**4.8**	**4.3**	NS

Sampling Data Summary
Former Weld Shop
Chesterfield, New York

	Groundwater								
Sample Identification	MW-1	MW-3	MW-5	MW-7	MW-8	MW-9	MW-10	Dupe-13	TOGS
Sample Date	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	11/27/18	*Groundwater*
SVOCs, EPA Method 8270 (ug/L)									
1,2,4,5-Tetrachlorobenzene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	10
2,3,4,6-Tetrachlorophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2,4,5-Trichlorophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2,4,6-Trichlorophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2,4-Dichlorophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
2,4-Dimethylphenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
2,4-Dinitrophenol	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	10
2,4-Dinitrotoluene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
2,6-Dinitrotoluene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
2-Chloronaphthalene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	10
2-Chlorophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2-Methylnaphthalene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2-Methylphenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2-Nitroaniline	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	5
2-Nitrophenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
3,3'-Dichlorobenzidine	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
3- and 4-Methylphenol Coelution	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
3-Nitroaniline	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	5
4,6-Dinitro-2-methylphenol	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	NS
4-Bromophenyl Phenyl Ether	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
4-Chloro-3-methylphenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
4-Chloroaniline	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
4-Chlorophenyl Phenyl Ether	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
4-Nitroaniline	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	5
4-Nitrophenol	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	NS
Acenaphthene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Acenaphthylene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	20
Acetophenone	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Anthracene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Atrazine	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	7.5
Benz(a)anthracene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.002
Benzaldehyde	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	NS
Benzo(a)pyrene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Benzo(b)fluoranthene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.002
Benzo(g,h,i)perylene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Benzo(k)fluoranthene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.002
Biphenyl	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
2,2'-Oxybis(1-chloropropane)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Bis(2-chloroethoxy)methane	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
Bis(2-chloroethyl) Ether	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	1
Bis(2-ethylhexyl) Phthalate	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	5
Butyl Benzyl Phthalate	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Caprolactam	ND(9.4)	ND(9.4)	**3.8**	ND(9.4)	ND(9.4)	ND(9.4)	**6.4**	**8.3**	NS
Carbazole	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Chrysene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Di-n-butyl Phthalate	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.002
Di-n-octyl Phthalate	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Dibenz(a,h)anthracene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Dibenzofuran	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Diethyl Phthalate	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	NS
Dimethyl Phthalate	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Fluoranthene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Fluorene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Hexachlorobenzene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.04
Hexachlorobutadiene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.5
Hexachlorocyclopentadiene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
Hexachloroethane	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	5
Indeno(1,2,3-cd)pyrene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.002
Isophorone	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
N-Nitrosodiphenylamine	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Naphthalene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	10
Nitrobenzene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	0.4
Pentachlorophenol (PCP)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	ND(47)	1
Phenanthrene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Phenol	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	1
Pyrene	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	ND(9.4)	50
Total Reported SVOCs	**ND**	**ND**	**3.8**	**ND**	**ND**	**ND**	**6.4**	**8.3**	

NOTES:

All groundwater values reported in micrograms per liter (ug/l)

Above Standard

ND = Not Detected< Detection Limit

NS = No standard

Results reported above detection limits are indicated in bold

Detection limits and reported concentrations at/ above the unrestricted use are shaded.

TOGS = New York State Division of Water Technical and Operational Guidance Series

Sampling Data Summary
Former Weld Shop
Chesterfield, New York

	Soil																								
Sample Identification	SB-1		SB-2		SB-3		SB-4			SB-5		SB-6		SB-7		SB-8		SB-9		SB-10	DUPE-1		Residential	Commercial	Industrial	*CP-51 Residential*	Unrestricted Use[1]
Sample Date	10/31/18		10/31/18		10/31/18		10/31/18			10/31/18		10/31/18		10/31/18		10/31/18		10/31/18		10/31/18	10/31/18						
Sample Interval (feet)	11-13		8-10		11-13		9-11			10-12		7-9		11-13		11-13		10-12		12-14	11-13						
PID Reading (ppmv)	0.0		0.0		0.0		0.0			25.8		0.0		0.0		0.0		0.0		0.0	0.0						
Analysis Type	Low	High	Low	High	Low	High	Low	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Low	High					
VOCs, EPA Method 8260 (ug/kg, dry)																											
1,1,1-Trichloroethane (TCA)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	680
1,1,2,2-Tetrachloroethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	35,000	NS
1,1,2-Trichloroethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	100,000	NS
1,1-Dichloroethane (1,1-DCA)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	270
1,1-Dichloroethene (1,1-DCE)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	330
1,2,3-Trichlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,2-Dibromoethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	1,100
1,2-Dichloroethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	2,300	30,000	60,000	NS	20
1,2-Dichloropropane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	17,000	280,000	560,000	NS	2,400
1,4-Dichlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	9,800	130,000	250,000	NS	1,800
1,4-Dioxane	ND(97)	ND(17,000)	ND(85)	ND(10,000)	ND(99)	ND(5,600)	ND(110)	ND(120)	ND(14,000)	ND(100)	ND(5,200)	ND(85)	ND(5,600)	ND(100)	ND(16,000)	ND(110)	ND(5,800)	ND(98)	ND(8,800)	ND(100)	ND(99)	ND(6,800)	9,800	130,000	250,000	NS	100
2-Butanone (MEK)	**14**	**500**	**27**	**250**	**110**	ND(280)	**22**	**29**	ND(710)	**15**	ND(260)	**32**	**360**	**33**	**520**	**42**	**150**	**24**	ND(440)	**12**	**83**	ND(340)	100,000	500,000	1,000,000	100,000	120
2-Hexanone	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	**960**	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Acetone	**290**	ND(830)	**650**	**1,900**	**3,600**	**530**	**740**	**290**	**840**	**410**	**420**	**980**	**6,100**	ND(5.2)	ND(780)	**940**	**790**	**550**	**1600**	ND(5.1)	**2,100**	**890**	100,000	500,000	1,000,000	NS	50
Benzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	**0.82**	**1.1**	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	2,900	44,000	89,000	60	60
Bromochloromethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Bromodichloromethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Bromoform	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Bromomethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Carbon Disulfide	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	100,000	NS
Carbon Tetrachloride	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	1,400	22,000	44,000	NS	760
Chlorobenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	1,100
Chloroethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Chloroform	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	10,000	350,000	700,000	NS	370
Chloromethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	**0.92**	ND(780)	ND(5.3)	ND(290)	**0.48**	ND(440)	ND(5.1)	**0.53**	ND(340)	NS	NS	NS	NS	NS
Cyclohexane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Dibromochloromethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC 12)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Dichloromethane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	**2.6**	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Ethylbenzene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	30,000	390,000	780,000	NS	1,000
Isopropylbenzene (Cumene)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	100,000	NS
Methyl Acetate	**25**	ND(830)	**72**	**660**	**75**	ND(280)	**13**	**79**	ND(710)	**4.8**	ND(260)	**150**	**1,600**	**170**	ND(780)	**110**	**130**	**38**	**280**	ND(5.1)	**440**	**220**	NS	NS	NS	NS	NS
Methyl tert-Butyl Ether	**1.4**	ND(830)	**6.3**	ND(510)	**19**	ND(280)	**5.0**	ND(6.2)	ND(710)	ND(5.1)	ND(260)	**4.7**	**75**	**6.7**	ND(780)	**3.0**	ND(290)	**3.1**	ND(440)	ND(5.1)	**15**	ND(340)	62,000	100,000	1,000,000	NS	930
Methylcyclohexane	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Styrene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Tetrachloroethene (PCE)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	5,500	150,000	300,000	NS	1,300
Toluene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	100,000	500,000	1,000,000	NS	700
Trichloroethene (TCE)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	10,000	200,000	400,000	NS	470
Trichlorofluoromethane (CFC 11)	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Vinyl Chloride	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	210	13,000	27,000	NS	20
cis-1,2-Dichloroethene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
m,p-Xylenes	ND(9.7)	ND(1,700)	ND(8.5)	ND(1,000)	ND(9.9)	ND(560)	ND(11)	ND(12)	ND(1,400)	ND(10)	ND(520)	ND(8.5)	ND(560)	ND(10)	ND(1,600)	ND(11)	ND(580)	ND(9.8)	ND(880)	ND(10)	ND(9.9)	ND(680)	100,000	500,000	1,000,000	NS	260
o-Xylene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)				NS	
trans-1,2-Dichloroethene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(4.8)	ND(830)	ND(4.3)	ND(510)	ND(5.0)	ND(280)	ND(5.3)	ND(6.2)	ND(710)	ND(5.1)	ND(260)	ND(4.2)	ND(280)	ND(5.2)	ND(780)	ND(5.3)	ND(290)	ND(4.9)	ND(440)	ND(5.1)	ND(5.0)	ND(340)	NS	NS	NS	NS	NS
Total Reported VOCs	**330**	**500**	**755**	**2,810**	**3,804**	**530**	**781**	**399**	**840**	**430**	**420**	**1,167**	**8,135**	**1,171**	**520**	**1,095**	**1,070**	**616**	**1,880**	**15**	**2,639**	**1,110**					

NOTES:
All soil values reported in ug/kg, dry, unless otherwise indicated.
Above Standard
ppmv = parts per million by volume
ND = Not Detected< Detection Limit
NS = No standard
Results reported above detection limits are indicated in bold
Detection limits and reported concentrations at/above the unrestricted use are shaded.
NYCRR Part 375 – Environmental Remediation Programs
NYSDEC CP-51 / Soil Cleanup Guidance

Sampling Data Summary
Former Weld Shop
Chesterfield, New York

	Soil																				
Sample Identification	SB-1		SB-2		SB-3		SB-4			SB-5		SB-6		SB-7		SB-8		SB-9		SB-10	DUPE-1	Residential	Commercial	Industrial	*CP-51 Residential*	Unrestricted Use[1]
Sample Date	10/31/18		10/31/18		10/31/18		10/31/18			10/31/18		10/31/18		10/31/18		10/31/18		10/31/18		10/31/18	10/31/18					
Sample Interval (feet)	11-13		8-10		11-13		9-11			10-12		7-9		11-13		11-13		10-12		12-14	11-13					
PID Reading (ppmv)	0.0		0.0		0.0		0.0			25.8		0.0		0.0		0.0		0.0		0.0	0.0					
Analysis Type	Low	High	Low	High	Low	High	Low	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Low	High				

	Soil																				
Sample Identification	SB-1		SB-2		SB-3		SB-4			SB-5		SB-6		SB-7		SB-8		SB-9		SB-10	DUPE-1	Residential	Commercial	Industrial	*CP-51 Residential*	Unrestricted Use[1]
Sample Date	10/31/18		10/31/18		10/31/18		10/31/18			10/31/18		10/31/18		10/31/18		10/31/18		10/31/18		10/31/18	10/31/18					
Sample Interval (feet)	11-13		8-10		11-13		9-11			10-12		7-9		11-13		11-13		10-12		12-14	11-13					
PID Reading (ppmv)	0.0		0.0		0.0		0.0			25.8		0.0		0.0		0.0		0.0		0.0	0.0					
Analysis Type	Low	High	Low	High	Low	High	Low	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Low	High				
SVOCs, EPA Method 8270 (ug/kg, dry)																										
1,2,4,5-Tetrachlorobenzene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,3,4,6-Tetrachlorophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
2,4,6-Trichlorophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
2,4-Dimethylphenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	1,030	NS
2-Chloronaphthalene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2-Chlorophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
2-Methylnaphthalene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	410	NS
2-Methylphenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2-Nitroaniline	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
2-Nitrophenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
3,3'-Dichlorobenzidine	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
3- and 4-Methylphenol Coelution	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
3-Nitroaniline	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
4-Bromophenyl Phenyl Ether	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
4-Chloroaniline	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
4-Chlorophenyl Phenyl Ether	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
4-Nitroaniline	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
4-Nitrophenol	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
Acenaphthene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	20,000
Acenaphthylene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Acetophenone	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Anthracene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Atrazine	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Benz(a)anthracene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	1,000	5,600	11,000	NS	1,000
Benzaldehyde	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	NS	NS	NS	NS	NS
Benzo(a)pyrene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	1,000	1,000	1,000	NS	1,000
Benzo(b)fluoranthene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	1,000	5,600	11,000	NS	1,000
Benzo(g,h,i)perylene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Benzo(k)fluoranthene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	1,000	56,000	110,000	NS	800
Biphenyl	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
2,2'-Oxybis(1-chloropropane)	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Bis(2-chloroethoxy)methane	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Bis(2-chloroethyl) Ether	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Bis(2-ethylhexyl) Phthalate	ND(610)		ND(600)		ND(590)		ND(5,200)			ND(550)		ND(540)		ND(590)		ND(550)		ND(620)		ND(590)	ND(610)	NS	NS	NS	50,000	NS
Butyl Benzyl Phthalate	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
Caprolactam	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Carbazole	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Chrysene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	1,000	56,000	110,000	NS	1,000
Di-n-butyl Phthalate	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
Di-n-octyl Phthalate	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
Dibenz(a,h)anthracene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Dibenzofuran	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Diethyl Phthalate	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Dimethyl Phthalate	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
Fluoranthene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Fluorene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	30,000
Hexachlorobenzene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	410	NS
Hexachlorobutadiene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Hexachloroethane	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	500	5,600	11,000	NS	500
Isophorone	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	100,000	NS
N-Nitrosodiphenylamine	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	NS	NS
Naphthalene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	12,000
Nitrobenzene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	NS	NS	NS	3,700	NS
Pentachlorophenol (PCP)	ND(2,100)		ND(2,000)		ND(2,000)		ND(18,000)			ND(1,900)		ND(1,800)		ND(2,000)		ND(1,900)		ND(2,100)		ND(2,000)	ND(2,100)	2,400	6,700	55,000	NS	800
Phenanthrene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Phenol	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	330
Pyrene	ND(400)		ND(390)		ND(390)		ND(3,400)			ND(370)		ND(360)		ND(390)		ND(360)		ND(410)		ND(390)	ND(410)	100,000	500,000	1,000,000	NS	100,000
Total Reported SVOCs	**ND**		**ND**		**ND**		**ND**			**ND**		**ND**		**ND**		**ND**		**ND**		**ND**	**ND**					
PCBs - EPA Methods 8082 (ug/kg, dry)																										
Aroclor 1016	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS
Aroclor 1221	ND(82)		ND(80)		ND(79)		ND(70)			ND(74)		ND(73)		ND(78)		ND(73)		ND(83)		ND(80)	ND(82)	NS	NS	NS	NS	NS
Aroclor 1232	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS
Aroclor 1242	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS
Aroclor 1248	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS
Aroclor 1254	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS
Aroclor 1260	ND(40)		ND(39)		ND(39)		ND(35)			ND(37)		ND(36)		ND(39)		ND(36)		ND(41)		ND(39)	ND(41)	NS	NS	NS	NS	NS

NOTES:
All soil values reported in ug/kg, dry, unless otherwise indicated.
Above Standard
ppmv = parts per million by volume
ND = Not Detected< Detection Limit
NS = No standard
Results reported above detection limits are indicated in bold
Detection limits and reported concentrations at/above the unrestricted use are shaded.
NYCRR Part 375 – Environmental Remediation Programs
NYSDEC CP-51 / Soil Cleanup Guidance

November 26, 2018 Service Request No:R1810655

Mr. Aaron Roth
KAS Inc.
13 Latour Ave
Suite 204
Plattsburgh, NY 12901

Laboratory Results for: Keeseville and Chesterfield

Dear Mr.Roth,

Enclosed are the results of the sample(s) submitted to our laboratory November 02, 2018
For your reference, these analyses have been assigned our service request number **R1810655.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield **Date Received:** 11/02/2018
Sample Matrix: Soil

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Eleven soil samples were received for analysis at ALS Environmental on 11/02/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Semivolatiles by GC/MS:

Method 8270D, 11/19/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 11/19/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Semivoa GC:

Method 8082A, 11/16/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8082A, 615453: The control limits for one or more surrogates in the sample are not applicable. The chromatogram indicated the presence of target/non-target background components that masked the surrogate, which prevented adequate resolution for quantitation. No corrective action was appropriate.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 11/09/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 11/08/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration

Approved by _____ Date 11/26/2018

Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/08/2018, R1810655-004: The recovery of one or more internal standards was outside control limits because of suspected matrix interference. The sample was re-extracted and reanalyzed, but produced similar results. No further corrective action was appropriate.

Approved by _____ Date 11/26/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: SB-1			Lab ID: R1810655-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	81.5				Percent	ALS SOP
2-Butanone (MEK)	14		2.3	4.8	ug/Kg	8260C
Acetone	290	E	2.8	4.8	ug/Kg	8260C
Methyl Acetate	25		1.7	4.8	ug/Kg	8260C
Methyl tert-Butyl Ether	1.4	J	0.92	4.8	ug/Kg	8260C
2-Butanone (MEK)	500	BDJ	380	830	ug/Kg	8260C

CLIENT ID: SB-2			Lab ID: R1810655-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	83.3				Percent	ALS SOP
2-Butanone (MEK)	27		2.0	4.3	ug/Kg	8260C
Acetone	650	E	2.4	4.3	ug/Kg	8260C
Methyl Acetate	72		1.5	4.3	ug/Kg	8260C
Methyl tert-Butyl Ether	6.3		0.81	4.3	ug/Kg	8260C
2-Butanone (MEK)	250	BDJ	240	510	ug/Kg	8260C
Acetone	1900	D	290	510	ug/Kg	8260C
Methyl Acetate	660	BD	180	510	ug/Kg	8260C

CLIENT ID: SB-3			Lab ID: R1810655-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	84.6				Percent	ALS SOP
2-Butanone (MEK)	110		2.3	5.0	ug/Kg	8260C
Acetone	3600	E	2.8	5.0	ug/Kg	8260C
Methyl Acetate	75		1.8	5.0	ug/Kg	8260C
Methyl tert-Butyl Ether	19		0.94	5.0	ug/Kg	8260C
Acetone	530	D	160	280	ug/Kg	8260C

CLIENT ID: SB-4			Lab ID: R1810655-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.1				Percent	ALS SOP
2-Butanone (MEK)	22		2.5	5.3	ug/Kg	8260C
Acetone	740	E	3.0	5.3	ug/Kg	8260C
Benzene	0.82	J	0.31	5.3	ug/Kg	8260C
Methyl Acetate	13		1.9	5.3	ug/Kg	8260C
Methyl tert-Butyl Ether	5.0	J	0.99	5.3	ug/Kg	8260C
2-Butanone (MEK)	29		2.9	6.2	ug/Kg	8260C
Acetone	290	E	3.5	6.2	ug/Kg	8260C
Benzene	1.1	J	0.36	6.2	ug/Kg	8260C
Methyl Acetate	79		2.2	6.2	ug/Kg	8260C
Acetone	840	D	400	710	ug/Kg	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: SB-5			Lab ID: R1810655-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	90.0				Percent	ALS SOP
2-Butanone (MEK)	15		2.4	5.1	ug/Kg	8260C
Acetone	410	E	2.9	5.1	ug/Kg	8260C
Methyl Acetate	4.8	J	1.8	5.1	ug/Kg	8260C
Acetone	420	D	150	260	ug/Kg	8260C

CLIENT ID: SB-6			Lab ID: R1810655-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.9				Percent	ALS SOP
2-Butanone (MEK)	32		2.0	4.2	ug/Kg	8260C
Acetone	980	E	2.4	4.2	ug/Kg	8260C
Methyl Acetate	150		1.5	4.2	ug/Kg	8260C
Methyl tert-Butyl Ether	4.7		0.80	4.2	ug/Kg	8260C
2-Butanone (MEK)	360	BD	130	280	ug/Kg	8260C
Acetone	6100	D	160	280	ug/Kg	8260C
Methyl Acetate	1600	D	99	280	ug/Kg	8260C
Methyl tert-Butyl Ether	75	DJ	53	280	ug/Kg	8260C

CLIENT ID: SB-7			Lab ID: R1810655-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	84.6				Percent	ALS SOP
2-Butanone (MEK)	33		2.4	5.2	ug/Kg	8260C
Acetone	960	E	3.0	5.2	ug/Kg	8260C
Chloromethane	0.92	J	0.42	5.2	ug/Kg	8260C
Methyl Acetate	170		1.9	5.2	ug/Kg	8260C
Methyl tert-Butyl Ether	6.7		0.98	5.2	ug/Kg	8260C
2-Butanone (MEK)	520	BDJ	360	780	ug/Kg	8260C

CLIENT ID: SB-8			Lab ID: R1810655-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	90.9				Percent	ALS SOP
2-Butanone (MEK)	42		2.5	5.3	ug/Kg	8260C
Acetone	940	E	3.0	5.3	ug/Kg	8260C
Methyl Acetate	110		1.9	5.3	ug/Kg	8260C
Methyl tert-Butyl Ether	3.0	J	1.1	5.3	ug/Kg	8260C
2-Butanone (MEK)	150	BDJ	140	290	ug/Kg	8260C
Acetone	790	D	170	290	ug/Kg	8260C
Methyl Acetate	130	BDJ	110	290	ug/Kg	8260C

CLIENT ID: SB-9			Lab ID: R1810655-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	80.7				Percent	ALS SOP
2-Butanone (MEK)	24		2.3	4.9	ug/Kg	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: SB-9			Lab ID: R1810655-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	550	E	2.8	4.9	ug/Kg	8260C
Chloromethane	0.48	J	0.40	4.9	ug/Kg	8260C
Methyl Acetate	38		1.8	4.9	ug/Kg	8260C
Methyl tert-Butyl Ether	3.1	J	0.93	4.9	ug/Kg	8260C
Acetone	1600	D	250	440	ug/Kg	8260C
Methyl Acetate	280	BDJ	160	440	ug/Kg	8260C

CLIENT ID: SB-10			Lab ID: R1810655-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	83.8				Percent	ALS SOP
Acetone	12		2.9	5.1	ug/Kg	8260C
Dichloromethane	2.6	J	0.59	5.1	ug/Kg	8260C

CLIENT ID: DUPE-1			Lab ID: R1810655-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	81.4				Percent	ALS SOP
2-Butanone (MEK)	83		2.3	5.0	ug/Kg	8260C
Acetone	2100	E	2.8	5.0	ug/Kg	8260C
Chloromethane	0.53	J	0.40	5.0	ug/Kg	8260C
Methyl Acetate	440	E	1.8	5.0	ug/Kg	8260C
Methyl tert-Butyl Ether	15		0.94	5.0	ug/Kg	8260C
Acetone	890	D	190	340	ug/Kg	8260C
Methyl Acetate	220	BDJ	120	340	ug/Kg	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: KAS Inc. **Service Request:**R1810655

Project: Keeseville and Chesterfield/407125025 - Weld Shop

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1810655-001	SB-1	10/31/2018	0950
R1810655-002	SB-2	10/31/2018	1010
R1810655-003	SB-3	10/31/2018	1035
R1810655-004	SB-4	10/31/2018	1125
R1810655-005	SB-5	10/31/2018	1215
R1810655-006	SB-6	10/31/2018	1200
R1810655-007	SB-7	10/31/2018	0855
R1810655-008	SB-8	10/31/2018	1055
R1810655-009	SB-9	10/31/2018	0820
R1810655-010	SB-10	10/31/2018	0925
R1810655-011	DUPE-1	10/31/2018	0950

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# _____

001

T055577

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Keeseville and Chesterfield
Project Number: 407125024 - Weld Shop
Report To: Aaron Roth
Company / Address: KAS Inc. 13 Latour Ave Suite 204 Plattsburgh NY, 12901
FAX #
Sampler Signature
Sampler Printed Name: Anthony Harvey

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	7D: 8082A / PCB	7D: 8270D / SVO + TICs	14D: 8260C / VOC FP + TICs	28D: 7470A / Hg Total	28D: 7470A / Hg Diss.	180D: 6010C / Total Metals	180D: 6010C / Diss. Metals	ALS SOP / Total Solids	Remarks
SB-1		10/31/18	9:50	So.l		X	X	X					X	
SB-2			1010											
SB-3			1035											
SB-4			1125											
SB-5			1215											
SB-6			1200											
SB-7			855											
SB-8			1055											
SB-9			820											
SB-10			925											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
_____ REQUESTED FAX DATE
_____ Requested Report Date

Report Requirements
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData _____Yes _____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Anthony Harvey	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: KAS, Inc	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 11/1/18 1500	Date/Time: 11/2/18 0900	Date/Time	Date/Time	Date/Time	Date/Time

R1810655 5
KAS Inc.
Keeseville and Chesterfield

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# _____

001

T055577

ALS Environmental
1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Keeseville and Chesterfield
Project Number:
Report To: Aaron Roth
Company / Address: KAS Inc. 13 Latour Ave Suite 204 Plattsburgh NY, 12901
FAX #
Sampler Signature:
Sampler Printed Name: Anthony Harvey

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D: 8082A / PCB	7D: 8270D / SVO + TICs	14D: 8260C / VOC FP + TICs	28D: 7470A / Hg Total	28D: 7470A / Hg Diss.	180D: 6010C / Total Metals	180D: 6010C / Diss. Metals	180D: ALS SOP / Total Solids	Remarks
DUPE-1		10/31/18	950	So 1		X	X	X					X	

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
_____ REQUESTED FAX DATE
_____ Requested Report Date

Report Requirements
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Anthony Harvey	Printed Name:	Printed Name	Printed Name	Printed Name	Printed Name
Firm: KAS Inc	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 10/1/18 1500	Date/Time: 11/2/18 0900	Date/Time	Date/Time	Date/Time	Date/Time

R1810655 5
KAS Inc.
Keeseville and Chesterfield

Cooler Receipt and Preservation Check Form

R1810655 5
KAS Inc.
Kesseville and Chesterfield

Project/Client KAS Folder Number

Cooler received on 11/2/18 by: @ COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore (5035set) NA	

8. Temperature Readings Date: 11/2/18 Time: 0913 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	2.8						
Correction Factor (°C)	+0.4						
Corrected Temp (°C)	3.2						
Temp from:Type of bottle	Cont/Tube						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 11/2/18 at 0918
5035 samples placed in storage location: F-05 by @ on 11/2/18 at 0920

Cooler Breakdown/Preservation Check**: Date: 11/2/18 Time: 1417 by: DM

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 080717-ITW, 5-317-002
Explain all Discrepancies/ Other Comments:

Acid broken: SA-1 HCl# vial of 5035 kit

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: DM
PC Secondary Review: _____ *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop

Non-Certified Analytes

Certifying Agency: Pennsylvania Department of Environmental Protection

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Name: SB-1 **Date Collected:** 10/31/18
Lab Code: R1810655-001 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-2 **Date Collected:** 10/31/18
Lab Code: R1810655-002 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-3 **Date Collected:** 10/31/18
Lab Code: R1810655-003 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-4 **Date Collected:** 10/31/18
Lab Code: R1810655-004 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop		

Sample Name:	SB-4	**Date Collected:**	10/31/18
Lab Code:	R1810655-004	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name:	SB-5	**Date Collected:**	10/31/18
Lab Code:	R1810655-005	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name:	SB-6	**Date Collected:**	10/31/18
Lab Code:	R1810655-006	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name:	SB-7	**Date Collected:**	10/31/18
Lab Code:	R1810655-007	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Name: SB-7 **Date Collected:** 10/31/18
Lab Code: R1810655-007 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-8 **Date Collected:** 10/31/18
Lab Code: R1810655-008 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-9 **Date Collected:** 10/31/18
Lab Code: R1810655-009 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

Sample Name: SB-10 **Date Collected:** 10/31/18
Lab Code: R1810655-010 **Date Received:** 11/2/18
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop		

Sample Name:	SB-10	**Date Collected:**	10/31/18
Lab Code:	R1810655-010	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
ALS SOP		KWONG

Sample Name:	DUPE-1	**Date Collected:**	10/31/18
Lab Code:	R1810655-011	**Date Received:**	11/2/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	DMURPHY	AMOSES
8260C		FNAEGLER
8270D	DMURPHY	BALLGEIER
ALS SOP		KWONG

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND	U	4.8	0.71	.79	11/08/18 13:54	
1,1,2,2-Tetrachloroethane	ND	U	4.8	0.79	.79	11/08/18 13:54	
1,1,2-Trichloroethane	ND	U	4.8	0.71	.79	11/08/18 13:54	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	4.8	1.3	.79	11/08/18 13:54	
1,1-Dichloroethane (1,1-DCA)	ND	U	4.8	1.3	.79	11/08/18 13:54	
1,1-Dichloroethene (1,1-DCE)	ND	U	4.8	1.3	.79	11/08/18 13:54	
1,2,3-Trichlorobenzene	ND	U	4.8	0.61	.79	11/08/18 13:54	
1,2,4-Trichlorobenzene	ND	U	4.8	0.58	.79	11/08/18 13:54	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	4.8	1.9	.79	11/08/18 13:54	
1,2-Dibromoethane	ND	U	4.8	1.2	.79	11/08/18 13:54	
1,2-Dichlorobenzene	ND	U	4.8	0.60	.79	11/08/18 13:54	
1,2-Dichloroethane	ND	U	4.8	0.60	.79	11/08/18 13:54	
1,2-Dichloropropane	ND	U	4.8	0.95	.79	11/08/18 13:54	
1,3-Dichlorobenzene	ND	U	4.8	0.62	.79	11/08/18 13:54	
1,4-Dichlorobenzene	ND	U	4.8	0.55	.79	11/08/18 13:54	
1,4-Dioxane	ND	U	97	19	.79	11/08/18 13:54	
2-Butanone (MEK)	**14**		4.8	2.3	.79	11/08/18 13:54	
2-Hexanone	ND	U	4.8	1.2	.79	11/08/18 13:54	
4-Methyl-2-pentanone	ND	U	4.8	0.95	.79	11/08/18 13:54	
Acetone	**290**	**E**	4.8	2.8	.79	11/08/18 13:54	
Benzene	ND	U	4.8	0.29	.79	11/08/18 13:54	
Bromochloromethane	ND	U	4.8	1.4	.79	11/08/18 13:54	
Bromodichloromethane	ND	U	4.8	0.60	.79	11/08/18 13:54	
Bromoform	ND	U	4.8	0.91	.79	11/08/18 13:54	
Bromomethane	ND	U	4.8	1.4	.79	11/08/18 13:54	
Carbon Disulfide	ND	U	4.8	1.3	.79	11/08/18 13:54	
Carbon Tetrachloride	ND	U	4.8	0.90	.79	11/08/18 13:54	
Chlorobenzene	ND	U	4.8	0.29	.79	11/08/18 13:54	
Chloroethane	ND	U	4.8	2.8	.79	11/08/18 13:54	
Chloroform	ND	U	4.8	1.3	.79	11/08/18 13:54	
Chloromethane	ND	U	4.8	0.39	.79	11/08/18 13:54	
Cyclohexane	ND	U	4.8	1.4	.79	11/08/18 13:54	
Dibromochloromethane	ND	U	4.8	0.71	.79	11/08/18 13:54	
Dichlorodifluoromethane (CFC 12)	ND	U	4.8	1.9	.79	11/08/18 13:54	
Dichloromethane	ND	U	4.8	0.56	.79	11/08/18 13:54	
Ethylbenzene	ND	U	4.8	0.23	.79	11/08/18 13:54	
Isopropylbenzene (Cumene)	ND	U	4.8	0.65	.79	11/08/18 13:54	
Methyl Acetate	**25**		4.8	1.7	.79	11/08/18 13:54	
Methyl tert-Butyl Ether	**1.4**	**J**	4.8	0.92	.79	11/08/18 13:54	
Methylcyclohexane	ND	U	4.8	1.2	.79	11/08/18 13:54	
Styrene	ND	U	4.8	0.30	.79	11/08/18 13:54	
Tetrachloroethene (PCE)	ND	U	4.8	0.86	.79	11/08/18 13:54	
Toluene	ND	U	4.8	0.97	.79	11/08/18 13:54	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	4.8	0.98	.79	11/08/18 13:54	
Trichlorofluoromethane (CFC 11)	ND U	4.8	0.64	.79	11/08/18 13:54	
Vinyl Chloride	ND U	4.8	1.8	.79	11/08/18 13:54	
cis-1,2-Dichloroethene	ND U	4.8	0.93	.79	11/08/18 13:54	
cis-1,3-Dichloropropene	ND U	4.8	0.88	.79	11/08/18 13:54	
m,p-Xylenes	ND U	9.7	1.1	.79	11/08/18 13:54	
o-Xylene	ND U	4.8	0.47	.79	11/08/18 13:54	
trans-1,2-Dichloroethene	ND U	4.8	0.84	.79	11/08/18 13:54	
trans-1,3-Dichloropropene	ND U	4.8	0.20	.79	11/08/18 13:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/08/18 13:54	
Dibromofluoromethane	99	63 - 138	11/08/18 13:54	
Toluene-d8	104	66 - 138	11/08/18 13:54	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-11-7	1-Propene, 2-methyl-	1.20	23	JN
000109-66-0	Pentane	1.70	59	JN
000763-29-1	1-Pentene, 2-methyl-	2.82	27	JN
	unknown	3.63	6.9	J
	unknown	8.71	7.2	J
002216-34-4	Octane, 4-methyl-	9.43	4.9	JN

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	830	130	134.5	11/09/18 15:23	
1,1,2,2-Tetrachloroethane	ND U	830	140	134.5	11/09/18 15:23	
1,1,2-Trichloroethane	ND U	830	130	134.5	11/09/18 15:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	830	210	134.5	11/09/18 15:23	
1,1-Dichloroethane (1,1-DCA)	ND U	830	210	134.5	11/09/18 15:23	
1,1-Dichloroethene (1,1-DCE)	ND U	830	220	134.5	11/09/18 15:23	
1,2,3-Trichlorobenzene	ND U	830	110	134.5	11/09/18 15:23	
1,2,4-Trichlorobenzene	ND U	830	98	134.5	11/09/18 15:23	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	830	310	134.5	11/09/18 15:23	
1,2-Dibromoethane	ND U	830	200	134.5	11/09/18 15:23	
1,2-Dichlorobenzene	ND U	830	110	134.5	11/09/18 15:23	
1,2-Dichloroethane	ND U	830	110	134.5	11/09/18 15:23	
1,2-Dichloropropane	ND U	830	170	134.5	11/09/18 15:23	
1,3-Dichlorobenzene	ND U	830	110	134.5	11/09/18 15:23	
1,4-Dichlorobenzene	ND U	830	93	134.5	11/09/18 15:23	
1,4-Dioxane	ND U	17000	3200	134.5	11/09/18 15:23	
2-Butanone (MEK)	**500 BDJ**	830	380	134.5	11/09/18 15:23	
2-Hexanone	ND U	830	200	134.5	11/09/18 15:23	
4-Methyl-2-pentanone	ND U	830	170	134.5	11/09/18 15:23	
Acetone	ND U	830	470	134.5	11/09/18 15:23	
Benzene	ND U	830	48	134.5	11/09/18 15:23	
Bromochloromethane	ND U	830	230	134.5	11/09/18 15:23	
Bromodichloromethane	ND U	830	110	134.5	11/09/18 15:23	
Bromoform	ND U	830	160	134.5	11/09/18 15:23	
Bromomethane	ND U	830	230	134.5	11/09/18 15:23	
Carbon Disulfide	ND U	830	210	134.5	11/09/18 15:23	
Carbon Tetrachloride	ND U	830	160	134.5	11/09/18 15:23	
Chlorobenzene	ND U	830	48	134.5	11/09/18 15:23	
Chloroethane	ND U	830	480	134.5	11/09/18 15:23	
Chloroform	ND U	830	210	134.5	11/09/18 15:23	
Chloromethane	ND U	830	67	134.5	11/09/18 15:23	
Cyclohexane	ND U	830	230	134.5	11/09/18 15:23	
Dibromochloromethane	ND U	830	130	134.5	11/09/18 15:23	
Dichlorodifluoromethane (CFC 12)	ND U	830	320	134.5	11/09/18 15:23	
Dichloromethane	ND U	830	95	134.5	11/09/18 15:23	
Ethylbenzene	ND U	830	38	134.5	11/09/18 15:23	
Isopropylbenzene (Cumene)	ND U	830	120	134.5	11/09/18 15:23	
Methyl Acetate	ND U	830	290	134.5	11/09/18 15:23	
Methyl tert-Butyl Ether	ND U	830	160	134.5	11/09/18 15:23	
Methylcyclohexane	ND U	830	200	134.5	11/09/18 15:23	
Styrene	ND U	830	50	134.5	11/09/18 15:23	
Tetrachloroethene (PCE)	ND U	830	150	134.5	11/09/18 15:23	
Toluene	ND U	830	170	134.5	11/09/18 15:23	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	830	170	134.5	11/09/18 15:23	
Trichlorofluoromethane (CFC 11)	ND U	830	110	134.5	11/09/18 15:23	
Vinyl Chloride	ND U	830	310	134.5	11/09/18 15:23	
cis-1,2-Dichloroethene	ND U	830	160	134.5	11/09/18 15:23	
cis-1,3-Dichloropropene	ND U	830	150	134.5	11/09/18 15:23	
m,p-Xylenes	ND U	1700	180	134.5	11/09/18 15:23	
o-Xylene	ND U	830	80	134.5	11/09/18 15:23	
trans-1,2-Dichloroethene	ND U	830	150	134.5	11/09/18 15:23	
trans-1,3-Dichloropropene	ND U	830	34	134.5	11/09/18 15:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/09/18 15:23	
Dibromofluoromethane	86	63 - 138	11/09/18 15:23	
Toluene-d8	102	66 - 138	11/09/18 15:23	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.40	950	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	4.3	0.63	.71	11/08/18 14:18	
1,1,2,2-Tetrachloroethane	ND U	4.3	0.70	.71	11/08/18 14:18	
1,1,2-Trichloroethane	ND U	4.3	0.63	.71	11/08/18 14:18	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	4.3	1.1	.71	11/08/18 14:18	
1,1-Dichloroethane (1,1-DCA)	ND U	4.3	1.1	.71	11/08/18 14:18	
1,1-Dichloroethene (1,1-DCE)	ND U	4.3	1.1	.71	11/08/18 14:18	
1,2,3-Trichlorobenzene	ND U	4.3	0.53	.71	11/08/18 14:18	
1,2,4-Trichlorobenzene	ND U	4.3	0.51	.71	11/08/18 14:18	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	4.3	1.6	.71	11/08/18 14:18	
1,2-Dibromoethane	ND U	4.3	1.1	.71	11/08/18 14:18	
1,2-Dichlorobenzene	ND U	4.3	0.52	.71	11/08/18 14:18	
1,2-Dichloroethane	ND U	4.3	0.52	.71	11/08/18 14:18	
1,2-Dichloropropane	ND U	4.3	0.83	.71	11/08/18 14:18	
1,3-Dichlorobenzene	ND U	4.3	0.54	.71	11/08/18 14:18	
1,4-Dichlorobenzene	ND U	4.3	0.48	.71	11/08/18 14:18	
1,4-Dioxane	ND U	85	17	.71	11/08/18 14:18	
2-Butanone (MEK)	**27**	4.3	2.0	.71	11/08/18 14:18	
2-Hexanone	ND U	4.3	1.1	.71	11/08/18 14:18	
4-Methyl-2-pentanone	ND U	4.3	0.84	.71	11/08/18 14:18	
Acetone	**650 E**	4.3	2.4	.71	11/08/18 14:18	
Benzene	ND U	4.3	0.25	.71	11/08/18 14:18	
Bromochloromethane	ND U	4.3	1.2	.71	11/08/18 14:18	
Bromodichloromethane	ND U	4.3	0.52	.71	11/08/18 14:18	
Bromoform	ND U	4.3	0.80	.71	11/08/18 14:18	
Bromomethane	ND U	4.3	1.2	.71	11/08/18 14:18	
Carbon Disulfide	ND U	4.3	1.1	.71	11/08/18 14:18	
Carbon Tetrachloride	ND U	4.3	0.79	.71	11/08/18 14:18	
Chlorobenzene	ND U	4.3	0.25	.71	11/08/18 14:18	
Chloroethane	ND U	4.3	2.5	.71	11/08/18 14:18	
Chloroform	ND U	4.3	1.1	.71	11/08/18 14:18	
Chloromethane	ND U	4.3	0.35	.71	11/08/18 14:18	
Cyclohexane	ND U	4.3	1.2	.71	11/08/18 14:18	
Dibromochloromethane	ND U	4.3	0.63	.71	11/08/18 14:18	
Dichlorodifluoromethane (CFC 12)	ND U	4.3	1.7	.71	11/08/18 14:18	
Dichloromethane	ND U	4.3	0.49	.71	11/08/18 14:18	
Ethylbenzene	ND U	4.3	0.20	.71	11/08/18 14:18	
Isopropylbenzene (Cumene)	ND U	4.3	0.58	.71	11/08/18 14:18	
Methyl Acetate	**72**	4.3	1.5	.71	11/08/18 14:18	
Methyl tert-Butyl Ether	**6.3**	4.3	0.81	.71	11/08/18 14:18	
Methylcyclohexane	ND U	4.3	1.1	.71	11/08/18 14:18	
Styrene	ND U	4.3	0.26	.71	11/08/18 14:18	
Tetrachloroethene (PCE)	ND U	4.3	0.76	.71	11/08/18 14:18	
Toluene	ND U	4.3	0.86	.71	11/08/18 14:18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	4.3	0.87	.71	11/08/18 14:18	
Trichlorofluoromethane (CFC 11)	ND U	4.3	0.57	.71	11/08/18 14:18	
Vinyl Chloride	ND U	4.3	1.6	.71	11/08/18 14:18	
cis-1,2-Dichloroethene	ND U	4.3	0.81	.71	11/08/18 14:18	
cis-1,3-Dichloropropene	ND U	4.3	0.77	.71	11/08/18 14:18	
m,p-Xylenes	ND U	8.5	0.93	.71	11/08/18 14:18	
o-Xylene	ND U	4.3	0.41	.71	11/08/18 14:18	
trans-1,2-Dichloroethene	ND U	4.3	0.74	.71	11/08/18 14:18	
trans-1,3-Dichloropropene	ND U	4.3	0.18	.71	11/08/18 14:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	11/08/18 14:18	
Dibromofluoromethane	98	63 - 138	11/08/18 14:18	
Toluene-d8	105	66 - 138	11/08/18 14:18	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000109-66-0	Pentane	1.69	26	JN
	unknown	2.52	11	J
000763-29-1	1-Pentene, 2-methyl-	2.82	14	JN
	unknown	3.64	26	J
	unknown	8.71	6.3	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	510	75	85	11/09/18 15:45	
1,1,2,2-Tetrachloroethane	ND U	510	83	85	11/09/18 15:45	
1,1,2-Trichloroethane	ND U	510	75	85	11/09/18 15:45	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	510	130	85	11/09/18 15:45	
1,1-Dichloroethane (1,1-DCA)	ND U	510	130	85	11/09/18 15:45	
1,1-Dichloroethene (1,1-DCE)	ND U	510	140	85	11/09/18 15:45	
1,2,3-Trichlorobenzene	ND U	510	64	85	11/09/18 15:45	
1,2,4-Trichlorobenzene	ND U	510	61	85	11/09/18 15:45	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	510	200	85	11/09/18 15:45	
1,2-Dibromoethane	ND U	510	130	85	11/09/18 15:45	
1,2-Dichlorobenzene	ND U	510	63	85	11/09/18 15:45	
1,2-Dichloroethane	ND U	510	63	85	11/09/18 15:45	
1,2-Dichloropropane	ND U	510	99	85	11/09/18 15:45	
1,3-Dichlorobenzene	ND U	510	65	85	11/09/18 15:45	
1,4-Dichlorobenzene	ND U	510	58	85	11/09/18 15:45	
1,4-Dioxane	ND U	10000	2000	85	11/09/18 15:45	
2-Butanone (MEK)	**250 BDJ**	510	240	85	11/09/18 15:45	
2-Hexanone	ND U	510	130	85	11/09/18 15:45	
4-Methyl-2-pentanone	ND U	510	100	85	11/09/18 15:45	
Acetone	**1900 D**	510	290	85	11/09/18 15:45	
Benzene	ND U	510	30	85	11/09/18 15:45	
Bromochloromethane	ND U	510	140	85	11/09/18 15:45	
Bromodichloromethane	ND U	510	63	85	11/09/18 15:45	
Bromoform	ND U	510	95	85	11/09/18 15:45	
Bromomethane	ND U	510	150	85	11/09/18 15:45	
Carbon Disulfide	ND U	510	130	85	11/09/18 15:45	
Carbon Tetrachloride	ND U	510	94	85	11/09/18 15:45	
Chlorobenzene	ND U	510	30	85	11/09/18 15:45	
Chloroethane	ND U	510	300	85	11/09/18 15:45	
Chloroform	ND U	510	130	85	11/09/18 15:45	
Chloromethane	ND U	510	41	85	11/09/18 15:45	
Cyclohexane	ND U	510	150	85	11/09/18 15:45	
Dibromochloromethane	ND U	510	75	85	11/09/18 15:45	
Dichlorodifluoromethane (CFC 12)	ND U	510	200	85	11/09/18 15:45	
Dichloromethane	ND U	510	59	85	11/09/18 15:45	
Ethylbenzene	ND U	510	24	85	11/09/18 15:45	
Isopropylbenzene (Cumene)	ND U	510	69	85	11/09/18 15:45	
Methyl Acetate	**660 BD**	510	180	85	11/09/18 15:45	
Methyl tert-Butyl Ether	ND U	510	96	85	11/09/18 15:45	
Methylcyclohexane	ND U	510	130	85	11/09/18 15:45	
Styrene	ND U	510	31	85	11/09/18 15:45	
Tetrachloroethene (PCE)	ND U	510	90	85	11/09/18 15:45	
Toluene	ND U	510	110	85	11/09/18 15:45	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	510	110	85	11/09/18 15:45	
Trichlorofluoromethane (CFC 11)	ND U	510	68	85	11/09/18 15:45	
Vinyl Chloride	ND U	510	190	85	11/09/18 15:45	
cis-1,2-Dichloroethene	ND U	510	97	85	11/09/18 15:45	
cis-1,3-Dichloropropene	ND U	510	92	85	11/09/18 15:45	
m,p-Xylenes	ND U	1000	120	85	11/09/18 15:45	
o-Xylene	ND U	510	49	85	11/09/18 15:45	
trans-1,2-Dichloroethene	ND U	510	88	85	11/09/18 15:45	
trans-1,3-Dichloropropene	ND U	510	21	85	11/09/18 15:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	11/09/18 15:45	
Dibromofluoromethane	85	63 - 138	11/09/18 15:45	
Toluene-d8	102	66 - 138	11/09/18 15:45	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.40	550	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.73	.84	11/08/18 14:41	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.81	.84	11/08/18 14:41	
1,1,2-Trichloroethane	ND U	5.0	0.73	.84	11/08/18 14:41	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.3	.84	11/08/18 14:41	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.3	.84	11/08/18 14:41	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.3	.84	11/08/18 14:41	
1,2,3-Trichlorobenzene	ND U	5.0	0.62	.84	11/08/18 14:41	
1,2,4-Trichlorobenzene	ND U	5.0	0.59	.84	11/08/18 14:41	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	1.9	.84	11/08/18 14:41	
1,2-Dibromoethane	ND U	5.0	1.3	.84	11/08/18 14:41	
1,2-Dichlorobenzene	ND U	5.0	0.61	.84	11/08/18 14:41	
1,2-Dichloroethane	ND U	5.0	0.61	.84	11/08/18 14:41	
1,2-Dichloropropane	ND U	5.0	0.97	.84	11/08/18 14:41	
1,3-Dichlorobenzene	ND U	5.0	0.63	.84	11/08/18 14:41	
1,4-Dichlorobenzene	ND U	5.0	0.56	.84	11/08/18 14:41	
1,4-Dioxane	ND U	99	19	.84	11/08/18 14:41	
2-Butanone (MEK)	**110**	5.0	2.3	.84	11/08/18 14:41	
2-Hexanone	ND U	5.0	1.3	.84	11/08/18 14:41	
4-Methyl-2-pentanone	ND U	5.0	0.98	.84	11/08/18 14:41	
Acetone	**3600 E**	5.0	2.8	.84	11/08/18 14:41	
Benzene	ND U	5.0	0.29	.84	11/08/18 14:41	
Bromochloromethane	ND U	5.0	1.4	.84	11/08/18 14:41	
Bromodichloromethane	ND U	5.0	0.61	.84	11/08/18 14:41	
Bromoform	ND U	5.0	0.93	.84	11/08/18 14:41	
Bromomethane	ND U	5.0	1.4	.84	11/08/18 14:41	
Carbon Disulfide	ND U	5.0	1.3	.84	11/08/18 14:41	
Carbon Tetrachloride	ND U	5.0	0.92	.84	11/08/18 14:41	
Chlorobenzene	ND U	5.0	0.29	.84	11/08/18 14:41	
Chloroethane	ND U	5.0	2.9	.84	11/08/18 14:41	
Chloroform	ND U	5.0	1.3	.84	11/08/18 14:41	
Chloromethane	ND U	5.0	0.40	.84	11/08/18 14:41	
Cyclohexane	ND U	5.0	1.4	.84	11/08/18 14:41	
Dibromochloromethane	ND U	5.0	0.73	.84	11/08/18 14:41	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.9	.84	11/08/18 14:41	
Dichloromethane	ND U	5.0	0.57	.84	11/08/18 14:41	
Ethylbenzene	ND U	5.0	0.23	.84	11/08/18 14:41	
Isopropylbenzene (Cumene)	ND U	5.0	0.67	.84	11/08/18 14:41	
Methyl Acetate	**75**	5.0	1.8	.84	11/08/18 14:41	
Methyl tert-Butyl Ether	**19**	5.0	0.94	.84	11/08/18 14:41	
Methylcyclohexane	ND U	5.0	1.2	.84	11/08/18 14:41	
Styrene	ND U	5.0	0.30	.84	11/08/18 14:41	
Tetrachloroethene (PCE)	ND U	5.0	0.88	.84	11/08/18 14:41	
Toluene	ND U	5.0	1.0	.84	11/08/18 14:41	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	1.1	.84	11/08/18 14:41	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.66	.84	11/08/18 14:41	
Vinyl Chloride	ND U	5.0	1.9	.84	11/08/18 14:41	
cis-1,2-Dichloroethene	ND U	5.0	0.95	.84	11/08/18 14:41	
cis-1,3-Dichloropropene	ND U	5.0	0.90	.84	11/08/18 14:41	
m,p-Xylenes	ND U	9.9	1.1	.84	11/08/18 14:41	
o-Xylene	ND U	5.0	0.48	.84	11/08/18 14:41	
trans-1,2-Dichloroethene	ND U	5.0	0.86	.84	11/08/18 14:41	
trans-1,3-Dichloropropene	ND U	5.0	0.20	.84	11/08/18 14:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	11/08/18 14:41	
Dibromofluoromethane	98	63 - 138	11/08/18 14:41	
Toluene-d8	104	66 - 138	11/08/18 14:41	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-11-7	1-Propene, 2-methyl-	1.19	43	JN
000109-66-0	Pentane	1.69	110	JN
	unknown	2.17	8.8	J
000107-83-5	Pentane, 2-methyl-	2.41	18	JN
	unknown	2.51	83	J
000763-29-1	1-Pentene, 2-methyl-	2.82	56	JN
000110-54-3	Hexane	2.93	6.1	JN
	unknown	3.63	67	J
000560-21-4	Pentane, 2,3,3-trimethyl-	7.34	5.8	JN
000589-53-7	Heptane, 4-methyl-	7.58	9.3	JN
	unknown	8.71	21	J
019549-87-2	2,4-Dimethyl-1-heptene	9.13	8.4	JN
002216-34-4	Octane, 4-methyl-	9.43	8.3	JN

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	280	41	47.5	11/09/18 16:07	
1,1,2,2-Tetrachloroethane	ND U	280	46	47.5	11/09/18 16:07	
1,1,2-Trichloroethane	ND U	280	41	47.5	11/09/18 16:07	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	280	70	47.5	11/09/18 16:07	
1,1-Dichloroethane (1,1-DCA)	ND U	280	71	47.5	11/09/18 16:07	
1,1-Dichloroethene (1,1-DCE)	ND U	280	72	47.5	11/09/18 16:07	
1,2,3-Trichlorobenzene	ND U	280	35	47.5	11/09/18 16:07	
1,2,4-Trichlorobenzene	ND U	280	34	47.5	11/09/18 16:07	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	280	110	47.5	11/09/18 16:07	
1,2-Dibromoethane	ND U	280	68	47.5	11/09/18 16:07	
1,2-Dichlorobenzene	ND U	280	35	47.5	11/09/18 16:07	
1,2-Dichloroethane	ND U	280	35	47.5	11/09/18 16:07	
1,2-Dichloropropane	ND U	280	55	47.5	11/09/18 16:07	
1,3-Dichlorobenzene	ND U	280	36	47.5	11/09/18 16:07	
1,4-Dichlorobenzene	ND U	280	32	47.5	11/09/18 16:07	
1,4-Dioxane	ND U	5600	1100	47.5	11/09/18 16:07	
2-Butanone (MEK)	ND U	280	130	47.5	11/09/18 16:07	
2-Hexanone	ND U	280	68	47.5	11/09/18 16:07	
4-Methyl-2-pentanone	ND U	280	56	47.5	11/09/18 16:07	
Acetone	**530 D**	280	160	47.5	11/09/18 16:07	
Benzene	ND U	280	17	47.5	11/09/18 16:07	
Bromochloromethane	ND U	280	77	47.5	11/09/18 16:07	
Bromodichloromethane	ND U	280	35	47.5	11/09/18 16:07	
Bromoform	ND U	280	53	47.5	11/09/18 16:07	
Bromomethane	ND U	280	78	47.5	11/09/18 16:07	
Carbon Disulfide	ND U	280	70	47.5	11/09/18 16:07	
Carbon Tetrachloride	ND U	280	52	47.5	11/09/18 16:07	
Chlorobenzene	ND U	280	17	47.5	11/09/18 16:07	
Chloroethane	ND U	280	170	47.5	11/09/18 16:07	
Chloroform	ND U	280	71	47.5	11/09/18 16:07	
Chloromethane	ND U	280	23	47.5	11/09/18 16:07	
Cyclohexane	ND U	280	78	47.5	11/09/18 16:07	
Dibromochloromethane	ND U	280	41	47.5	11/09/18 16:07	
Dichlorodifluoromethane (CFC 12)	ND U	280	110	47.5	11/09/18 16:07	
Dichloromethane	ND U	280	33	47.5	11/09/18 16:07	
Ethylbenzene	ND U	280	13	47.5	11/09/18 16:07	
Isopropylbenzene (Cumene)	ND U	280	38	47.5	11/09/18 16:07	
Methyl Acetate	ND U	280	99	47.5	11/09/18 16:07	
Methyl tert-Butyl Ether	ND U	280	53	47.5	11/09/18 16:07	
Methylcyclohexane	ND U	280	68	47.5	11/09/18 16:07	
Styrene	ND U	280	17	47.5	11/09/18 16:07	
Tetrachloroethene (PCE)	ND U	280	50	47.5	11/09/18 16:07	
Toluene	ND U	280	57	47.5	11/09/18 16:07	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	280	57	47.5	11/09/18 16:07	
Trichlorofluoromethane (CFC 11)	ND U	280	38	47.5	11/09/18 16:07	
Vinyl Chloride	ND U	280	110	47.5	11/09/18 16:07	
cis-1,2-Dichloroethene	ND U	280	54	47.5	11/09/18 16:07	
cis-1,3-Dichloropropene	ND U	280	51	47.5	11/09/18 16:07	
m,p-Xylenes	ND U	560	62	47.5	11/09/18 16:07	
o-Xylene	ND U	280	27	47.5	11/09/18 16:07	
trans-1,2-Dichloroethene	ND U	280	49	47.5	11/09/18 16:07	
trans-1,3-Dichloropropene	ND U	280	12	47.5	11/09/18 16:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/09/18 16:07	
Dibromofluoromethane	83	63 - 138	11/09/18 16:07	
Toluene-d8	102	66 - 138	11/09/18 16:07	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.42	420	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.3	0.77	1	11/08/18 15:04	
1,1,2,2-Tetrachloroethane	ND U	5.3	0.86	1	11/08/18 15:04	
1,1,2-Trichloroethane	ND U	5.3	0.77	1	11/08/18 15:04	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.3	1.4	1	11/08/18 15:04	
1,1-Dichloroethane (1,1-DCA)	ND U	5.3	1.4	1	11/08/18 15:04	
1,1-Dichloroethene (1,1-DCE)	ND U	5.3	1.4	1	11/08/18 15:04	
1,2,3-Trichlorobenzene	ND U	5.3	0.66	1	11/08/18 15:04	
1,2,4-Trichlorobenzene	ND U	5.3	0.63	1	11/08/18 15:04	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.3	2.0	1	11/08/18 15:04	
1,2-Dibromoethane	ND U	5.3	1.3	1	11/08/18 15:04	
1,2-Dichlorobenzene	ND U	5.3	0.65	1	11/08/18 15:04	
1,2-Dichloroethane	ND U	5.3	0.65	1	11/08/18 15:04	
1,2-Dichloropropane	ND U	5.3	1.1	1	11/08/18 15:04	
1,3-Dichlorobenzene	ND U	5.3	0.67	1	11/08/18 15:04	
1,4-Dichlorobenzene	ND U	5.3	0.59	1	11/08/18 15:04	
1,4-Dioxane	ND U	110	21	1	11/08/18 15:04	
2-Butanone (MEK)	**22**	5.3	2.5	1	11/08/18 15:04	
2-Hexanone	ND U	5.3	1.3	1	11/08/18 15:04	
4-Methyl-2-pentanone	ND U	5.3	1.1	1	11/08/18 15:04	
Acetone	**740 E**	5.3	3.0	1	11/08/18 15:04	
Benzene	**0.82 J**	5.3	0.31	1	11/08/18 15:04	
Bromochloromethane	ND U	5.3	1.5	1	11/08/18 15:04	
Bromodichloromethane	ND U	5.3	0.65	1	11/08/18 15:04	
Bromoform	ND U	5.3	0.98	1	11/08/18 15:04	
Bromomethane	ND U	5.3	1.5	1	11/08/18 15:04	
Carbon Disulfide	ND U	5.3	1.4	1	11/08/18 15:04	
Carbon Tetrachloride	ND U	5.3	0.97	1	11/08/18 15:04	
Chlorobenzene	ND U	5.3	0.31	1	11/08/18 15:04	
Chloroethane	ND U	5.3	3.1	1	11/08/18 15:04	
Chloroform	ND U	5.3	1.4	1	11/08/18 15:04	
Chloromethane	ND U	5.3	0.43	1	11/08/18 15:04	
Cyclohexane	ND U	5.3	1.5	1	11/08/18 15:04	
Dibromochloromethane	ND U	5.3	0.77	1	11/08/18 15:04	
Dichlorodifluoromethane (CFC 12)	ND U	5.3	2.0	1	11/08/18 15:04	
Dichloromethane	ND U	5.3	0.60	1	11/08/18 15:04	
Ethylbenzene	ND U	5.3	0.25	1	11/08/18 15:04	
Isopropylbenzene (Cumene)	ND U	5.3	0.71	1	11/08/18 15:04	
Methyl Acetate	**13**	5.3	1.9	1	11/08/18 15:04	
Methyl tert-Butyl Ether	**5.0 J**	5.3	0.99	1	11/08/18 15:04	
Methylcyclohexane	ND U	5.3	1.3	1	11/08/18 15:04	
Styrene	ND U	5.3	0.32	1	11/08/18 15:04	
Tetrachloroethene (PCE)	ND U	5.3	0.93	1	11/08/18 15:04	
Toluene	ND U	5.3	1.1	1	11/08/18 15:04	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.3	1.1	1	11/08/18 15:04	
Trichlorofluoromethane (CFC 11)	ND U	5.3	0.70	1	11/08/18 15:04	
Vinyl Chloride	ND U	5.3	2.0	1	11/08/18 15:04	
cis-1,2-Dichloroethene	ND U	5.3	1.0	1	11/08/18 15:04	
cis-1,3-Dichloropropene	ND U	5.3	0.95	1	11/08/18 15:04	
m,p-Xylenes	ND U	11	1.2	1	11/08/18 15:04	
o-Xylene	ND U	5.3	0.51	1	11/08/18 15:04	
trans-1,2-Dichloroethene	ND U	5.3	0.91	1	11/08/18 15:04	
trans-1,3-Dichloropropene	ND U	5.3	0.22	1	11/08/18 15:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	47	31 - 154	11/08/18 15:04	
Dibromofluoromethane	110	63 - 138	11/08/18 15:04	
Toluene-d8	91	66 - 138	11/08/18 15:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.12	9.1	J
000115-11-7	1-Propene, 2-methyl-	1.20	44	JN
000107-83-5	Pentane, 2-methyl-	2.42	70	JN
	unknown	2.50	8.9	J
000763-29-1	1-Pentene, 2-methyl-	2.83	28	JN
000110-54-3	Hexane	2.93	8.2	JN
	unknown	3.64	19	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	6.2	0.91	1.18	11/08/18 18:09	
1,1,2,2-Tetrachloroethane	ND U	6.2	1.1	1.18	11/08/18 18:09	
1,1,2-Trichloroethane	ND U	6.2	0.91	1.18	11/08/18 18:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	6.2	1.6	1.18	11/08/18 18:09	
1,1-Dichloroethane (1,1-DCA)	ND U	6.2	1.6	1.18	11/08/18 18:09	
1,1-Dichloroethene (1,1-DCE)	ND U	6.2	1.6	1.18	11/08/18 18:09	
1,2,3-Trichlorobenzene	ND U	6.2	0.77	1.18	11/08/18 18:09	
1,2,4-Trichlorobenzene	ND U	6.2	0.74	1.18	11/08/18 18:09	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	6.2	2.4	1.18	11/08/18 18:09	
1,2-Dibromoethane	ND U	6.2	1.6	1.18	11/08/18 18:09	
1,2-Dichlorobenzene	ND U	6.2	0.76	1.18	11/08/18 18:09	
1,2-Dichloroethane	ND U	6.2	0.76	1.18	11/08/18 18:09	
1,2-Dichloropropane	ND U	6.2	1.3	1.18	11/08/18 18:09	
1,3-Dichlorobenzene	ND U	6.2	0.79	1.18	11/08/18 18:09	
1,4-Dichlorobenzene	ND U	6.2	0.70	1.18	11/08/18 18:09	
1,4-Dioxane	ND U	120	24	1.18	11/08/18 18:09	
2-Butanone (MEK)	**29**	6.2	2.9	1.18	11/08/18 18:09	
2-Hexanone	ND U	6.2	1.6	1.18	11/08/18 18:09	
4-Methyl-2-pentanone	ND U	6.2	1.3	1.18	11/08/18 18:09	
Acetone	**290 E**	6.2	3.5	1.18	11/08/18 18:09	
Benzene	**1.1 J**	6.2	0.36	1.18	11/08/18 18:09	
Bromochloromethane	ND U	6.2	1.7	1.18	11/08/18 18:09	
Bromodichloromethane	ND U	6.2	0.76	1.18	11/08/18 18:09	
Bromoform	ND U	6.2	1.2	1.18	11/08/18 18:09	
Bromomethane	ND U	6.2	1.8	1.18	11/08/18 18:09	
Carbon Disulfide	ND U	6.2	1.6	1.18	11/08/18 18:09	
Carbon Tetrachloride	ND U	6.2	1.2	1.18	11/08/18 18:09	
Chlorobenzene	ND U	6.2	0.36	1.18	11/08/18 18:09	
Chloroethane	ND U	6.2	3.6	1.18	11/08/18 18:09	
Chloroform	ND U	6.2	1.6	1.18	11/08/18 18:09	
Chloromethane	ND U	6.2	0.50	1.18	11/08/18 18:09	
Cyclohexane	ND U	6.2	1.8	1.18	11/08/18 18:09	
Dibromochloromethane	ND U	6.2	0.91	1.18	11/08/18 18:09	
Dichlorodifluoromethane (CFC 12)	ND U	6.2	2.4	1.18	11/08/18 18:09	
Dichloromethane	ND U	6.2	0.71	1.18	11/08/18 18:09	
Ethylbenzene	ND U	6.2	0.29	1.18	11/08/18 18:09	
Isopropylbenzene (Cumene)	ND U	6.2	0.84	1.18	11/08/18 18:09	
Methyl Acetate	**79**	6.2	2.2	1.18	11/08/18 18:09	
Methyl tert-Butyl Ether	ND U	6.2	1.2	1.18	11/08/18 18:09	
Methylcyclohexane	ND U	6.2	1.5	1.18	11/08/18 18:09	
Styrene	ND U	6.2	0.38	1.18	11/08/18 18:09	
Tetrachloroethene (PCE)	ND U	6.2	1.1	1.18	11/08/18 18:09	
Toluene	ND U	6.2	1.3	1.18	11/08/18 18:09	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	6.2	1.3	1.18	11/08/18 18:09	
Trichlorofluoromethane (CFC 11)	ND U	6.2	0.82	1.18	11/08/18 18:09	
Vinyl Chloride	ND U	6.2	2.3	1.18	11/08/18 18:09	
cis-1,2-Dichloroethene	ND U	6.2	1.2	1.18	11/08/18 18:09	
cis-1,3-Dichloropropene	ND U	6.2	1.2	1.18	11/08/18 18:09	
m,p-Xylenes	ND U	12	1.4	1.18	11/08/18 18:09	
o-Xylene	ND U	6.2	0.60	1.18	11/08/18 18:09	
trans-1,2-Dichloroethene	ND U	6.2	1.1	1.18	11/08/18 18:09	
trans-1,3-Dichloropropene	ND U	6.2	0.25	1.18	11/08/18 18:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	49	31 - 154	11/08/18 18:09	
Dibromofluoromethane	109	63 - 138	11/08/18 18:09	
Toluene-d8	93	66 - 138	11/08/18 18:09	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-11-7	1-Propene, 2-methyl-	1.20	15	JN
000107-83-5	Pentane, 2-methyl-	2.42	12	JN
000763-29-1	1-Pentene, 2-methyl-	2.83	11	JN

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	710	110	135	11/09/18 16:30	
1,1,2,2-Tetrachloroethane	ND U	710	120	135	11/09/18 16:30	
1,1,2-Trichloroethane	ND U	710	110	135	11/09/18 16:30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	710	180	135	11/09/18 16:30	
1,1-Dichloroethane (1,1-DCA)	ND U	710	180	135	11/09/18 16:30	
1,1-Dichloroethene (1,1-DCE)	ND U	710	190	135	11/09/18 16:30	
1,2,3-Trichlorobenzene	ND U	710	89	135	11/09/18 16:30	
1,2,4-Trichlorobenzene	ND U	710	84	135	11/09/18 16:30	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	710	270	135	11/09/18 16:30	
1,2-Dibromoethane	ND U	710	180	135	11/09/18 16:30	
1,2-Dichlorobenzene	ND U	710	87	135	11/09/18 16:30	
1,2-Dichloroethane	ND U	710	87	135	11/09/18 16:30	
1,2-Dichloropropane	ND U	710	140	135	11/09/18 16:30	
1,3-Dichlorobenzene	ND U	710	90	135	11/09/18 16:30	
1,4-Dichlorobenzene	ND U	710	80	135	11/09/18 16:30	
1,4-Dioxane	ND U	14000	2800	135	11/09/18 16:30	
2-Butanone (MEK)	ND U	710	330	135	11/09/18 16:30	
2-Hexanone	ND U	710	180	135	11/09/18 16:30	
4-Methyl-2-pentanone	ND U	710	140	135	11/09/18 16:30	
Acetone	**840 D**	710	400	135	11/09/18 16:30	
Benzene	ND U	710	42	135	11/09/18 16:30	
Bromochloromethane	ND U	710	200	135	11/09/18 16:30	
Bromodichloromethane	ND U	710	87	135	11/09/18 16:30	
Bromoform	ND U	710	140	135	11/09/18 16:30	
Bromomethane	ND U	710	200	135	11/09/18 16:30	
Carbon Disulfide	ND U	710	180	135	11/09/18 16:30	
Carbon Tetrachloride	ND U	710	140	135	11/09/18 16:30	
Chlorobenzene	ND U	710	42	135	11/09/18 16:30	
Chloroethane	ND U	710	410	135	11/09/18 16:30	
Chloroform	ND U	710	180	135	11/09/18 16:30	
Chloromethane	ND U	710	57	135	11/09/18 16:30	
Cyclohexane	ND U	710	200	135	11/09/18 16:30	
Dibromochloromethane	ND U	710	110	135	11/09/18 16:30	
Dichlorodifluoromethane (CFC 12)	ND U	710	270	135	11/09/18 16:30	
Dichloromethane	ND U	710	81	135	11/09/18 16:30	
Ethylbenzene	ND U	710	33	135	11/09/18 16:30	
Isopropylbenzene (Cumene)	ND U	710	96	135	11/09/18 16:30	
Methyl Acetate	ND U	710	250	135	11/09/18 16:30	
Methyl tert-Butyl Ether	ND U	710	140	135	11/09/18 16:30	
Methylcyclohexane	ND U	710	180	135	11/09/18 16:30	
Styrene	ND U	710	43	135	11/09/18 16:30	
Tetrachloroethene (PCE)	ND U	710	130	135	11/09/18 16:30	
Toluene	ND U	710	150	135	11/09/18 16:30	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	710	150	135	11/09/18 16:30	
Trichlorofluoromethane (CFC 11)	ND U	710	94	135	11/09/18 16:30	
Vinyl Chloride	ND U	710	270	135	11/09/18 16:30	
cis-1,2-Dichloroethene	ND U	710	140	135	11/09/18 16:30	
cis-1,3-Dichloropropene	ND U	710	130	135	11/09/18 16:30	
m,p-Xylenes	ND U	1400	160	135	11/09/18 16:30	
o-Xylene	ND U	710	69	135	11/09/18 16:30	
trans-1,2-Dichloroethene	ND U	710	130	135	11/09/18 16:30	
trans-1,3-Dichloropropene	ND U	710	29	135	11/09/18 16:30	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	No Tentatively Identified Compounds Detected			

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	31 - 154	11/09/18 16:30	
Dibromofluoromethane	85	63 - 138	11/09/18 16:30	
Toluene-d8	105	66 - 138	11/09/18 16:30	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.1	0.74	.91	11/08/18 15:27	
1,1,2,2-Tetrachloroethane	ND U	5.1	0.82	.91	11/08/18 15:27	
1,1,2-Trichloroethane	ND U	5.1	0.74	.91	11/08/18 15:27	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.1	1.3	.91	11/08/18 15:27	
1,1-Dichloroethane (1,1-DCA)	ND U	5.1	1.3	.91	11/08/18 15:27	
1,1-Dichloroethene (1,1-DCE)	ND U	5.1	1.3	.91	11/08/18 15:27	
1,2,3-Trichlorobenzene	ND U	5.1	0.63	.91	11/08/18 15:27	
1,2,4-Trichlorobenzene	ND U	5.1	0.60	.91	11/08/18 15:27	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.1	1.9	.91	11/08/18 15:27	
1,2-Dibromoethane	ND U	5.1	1.3	.91	11/08/18 15:27	
1,2-Dichlorobenzene	ND U	5.1	0.62	.91	11/08/18 15:27	
1,2-Dichloroethane	ND U	5.1	0.62	.91	11/08/18 15:27	
1,2-Dichloropropane	ND U	5.1	0.99	.91	11/08/18 15:27	
1,3-Dichlorobenzene	ND U	5.1	0.64	.91	11/08/18 15:27	
1,4-Dichlorobenzene	ND U	5.1	0.57	.91	11/08/18 15:27	
1,4-Dioxane	ND U	100	20	.91	11/08/18 15:27	
2-Butanone (MEK)	**15**	5.1	2.4	.91	11/08/18 15:27	
2-Hexanone	ND U	5.1	1.3	.91	11/08/18 15:27	
4-Methyl-2-pentanone	ND U	5.1	1.0	.91	11/08/18 15:27	
Acetone	**410 E**	5.1	2.9	.91	11/08/18 15:27	
Benzene	ND U	5.1	0.30	.91	11/08/18 15:27	
Bromochloromethane	ND U	5.1	1.4	.91	11/08/18 15:27	
Bromodichloromethane	ND U	5.1	0.62	.91	11/08/18 15:27	
Bromoform	ND U	5.1	0.95	.91	11/08/18 15:27	
Bromomethane	ND U	5.1	1.4	.91	11/08/18 15:27	
Carbon Disulfide	ND U	5.1	1.3	.91	11/08/18 15:27	
Carbon Tetrachloride	ND U	5.1	0.94	.91	11/08/18 15:27	
Chlorobenzene	ND U	5.1	0.30	.91	11/08/18 15:27	
Chloroethane	ND U	5.1	3.0	.91	11/08/18 15:27	
Chloroform	ND U	5.1	1.3	.91	11/08/18 15:27	
Chloromethane	ND U	5.1	0.41	.91	11/08/18 15:27	
Cyclohexane	ND U	5.1	1.4	.91	11/08/18 15:27	
Dibromochloromethane	ND U	5.1	0.74	.91	11/08/18 15:27	
Dichlorodifluoromethane (CFC 12)	ND U	5.1	2.0	.91	11/08/18 15:27	
Dichloromethane	ND U	5.1	0.58	.91	11/08/18 15:27	
Ethylbenzene	ND U	5.1	0.24	.91	11/08/18 15:27	
Isopropylbenzene (Cumene)	ND U	5.1	0.68	.91	11/08/18 15:27	
Methyl Acetate	**4.8 J**	5.1	1.8	.91	11/08/18 15:27	
Methyl tert-Butyl Ether	ND U	5.1	0.96	.91	11/08/18 15:27	
Methylcyclohexane	ND U	5.1	1.3	.91	11/08/18 15:27	
Styrene	ND U	5.1	0.31	.91	11/08/18 15:27	
Tetrachloroethene (PCE)	ND U	5.1	0.89	.91	11/08/18 15:27	
Toluene	ND U	5.1	1.1	.91	11/08/18 15:27	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.1	1.1	.91	11/08/18 15:27	
Trichlorofluoromethane (CFC 11)	ND U	5.1	0.67	.91	11/08/18 15:27	
Vinyl Chloride	ND U	5.1	1.9	.91	11/08/18 15:27	
cis-1,2-Dichloroethene	ND U	5.1	0.97	.91	11/08/18 15:27	
cis-1,3-Dichloropropene	ND U	5.1	0.91	.91	11/08/18 15:27	
m,p-Xylenes	ND U	10	1.2	.91	11/08/18 15:27	
o-Xylene	ND U	5.1	0.49	.91	11/08/18 15:27	
trans-1,2-Dichloroethene	ND U	5.1	0.87	.91	11/08/18 15:27	
trans-1,3-Dichloropropene	ND U	5.1	0.21	.91	11/08/18 15:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	11/08/18 15:27	
Dibromofluoromethane	100	63 - 138	11/08/18 15:27	
Toluene-d8	104	66 - 138	11/08/18 15:27	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-07-1	Propene	1.02	5.5	JN
000115-11-7	1-Propene, 2-methyl-	1.20	15	JN
000109-66-0	Pentane	1.70	25	JN
	unknown	2.83	10	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	260	39	47	11/09/18 16:52	
1,1,2,2-Tetrachloroethane	ND U	260	43	47	11/09/18 16:52	
1,1,2-Trichloroethane	ND U	260	39	47	11/09/18 16:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	260	65	47	11/09/18 16:52	
1,1-Dichloroethane (1,1-DCA)	ND U	260	66	47	11/09/18 16:52	
1,1-Dichloroethene (1,1-DCE)	ND U	260	67	47	11/09/18 16:52	
1,2,3-Trichlorobenzene	ND U	260	33	47	11/09/18 16:52	
1,2,4-Trichlorobenzene	ND U	260	31	47	11/09/18 16:52	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	260	98	47	11/09/18 16:52	
1,2-Dibromoethane	ND U	260	64	47	11/09/18 16:52	
1,2-Dichlorobenzene	ND U	260	32	47	11/09/18 16:52	
1,2-Dichloroethane	ND U	260	32	47	11/09/18 16:52	
1,2-Dichloropropane	ND U	260	51	47	11/09/18 16:52	
1,3-Dichlorobenzene	ND U	260	33	47	11/09/18 16:52	
1,4-Dichlorobenzene	ND U	260	30	47	11/09/18 16:52	
1,4-Dioxane	ND U	5200	1000	47	11/09/18 16:52	
2-Butanone (MEK)	ND U	260	120	47	11/09/18 16:52	
2-Hexanone	ND U	260	64	47	11/09/18 16:52	
4-Methyl-2-pentanone	ND U	260	52	47	11/09/18 16:52	
Acetone	**420 D**	260	150	47	11/09/18 16:52	
Benzene	ND U	260	16	47	11/09/18 16:52	
Bromochloromethane	ND U	260	72	47	11/09/18 16:52	
Bromodichloromethane	ND U	260	32	47	11/09/18 16:52	
Bromoform	ND U	260	49	47	11/09/18 16:52	
Bromomethane	ND U	260	73	47	11/09/18 16:52	
Carbon Disulfide	ND U	260	65	47	11/09/18 16:52	
Carbon Tetrachloride	ND U	260	49	47	11/09/18 16:52	
Chlorobenzene	ND U	260	16	47	11/09/18 16:52	
Chloroethane	ND U	260	150	47	11/09/18 16:52	
Chloroform	ND U	260	66	47	11/09/18 16:52	
Chloromethane	ND U	260	21	47	11/09/18 16:52	
Cyclohexane	ND U	260	73	47	11/09/18 16:52	
Dibromochloromethane	ND U	260	39	47	11/09/18 16:52	
Dichlorodifluoromethane (CFC 12)	ND U	260	99	47	11/09/18 16:52	
Dichloromethane	ND U	260	30	47	11/09/18 16:52	
Ethylbenzene	ND U	260	13	47	11/09/18 16:52	
Isopropylbenzene (Cumene)	ND U	260	35	47	11/09/18 16:52	
Methyl Acetate	ND U	260	92	47	11/09/18 16:52	
Methyl tert-Butyl Ether	ND U	260	50	47	11/09/18 16:52	
Methylcyclohexane	ND U	260	63	47	11/09/18 16:52	
Styrene	ND U	260	16	47	11/09/18 16:52	
Tetrachloroethene (PCE)	ND U	260	46	47	11/09/18 16:52	
Toluene	ND U	260	53	47	11/09/18 16:52	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	260	53	47	11/09/18 16:52	
Trichlorofluoromethane (CFC 11)	ND U	260	35	47	11/09/18 16:52	
Vinyl Chloride	ND U	260	97	47	11/09/18 16:52	
cis-1,2-Dichloroethene	ND U	260	50	47	11/09/18 16:52	
cis-1,3-Dichloropropene	ND U	260	47	47	11/09/18 16:52	
m,p-Xylenes	ND U	520	57	47	11/09/18 16:52	
o-Xylene	ND U	260	26	47	11/09/18 16:52	
trans-1,2-Dichloroethene	ND U	260	45	47	11/09/18 16:52	
trans-1,3-Dichloropropene	ND U	260	11	47	11/09/18 16:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	11/09/18 16:52	
Dibromofluoromethane	83	63 - 138	11/09/18 16:52	
Toluene-d8	102	66 - 138	11/09/18 16:52	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.40	300	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	4.2	0.62	.78	11/08/18 15:50	
1,1,2,2-Tetrachloroethane	ND U	4.2	0.69	.78	11/08/18 15:50	
1,1,2-Trichloroethane	ND U	4.2	0.62	.78	11/08/18 15:50	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	4.2	1.1	.78	11/08/18 15:50	
1,1-Dichloroethane (1,1-DCA)	ND U	4.2	1.1	.78	11/08/18 15:50	
1,1-Dichloroethene (1,1-DCE)	ND U	4.2	1.1	.78	11/08/18 15:50	
1,2,3-Trichlorobenzene	ND U	4.2	0.53	.78	11/08/18 15:50	
1,2,4-Trichlorobenzene	ND U	4.2	0.51	.78	11/08/18 15:50	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	4.2	1.6	.78	11/08/18 15:50	
1,2-Dibromoethane	ND U	4.2	1.1	.78	11/08/18 15:50	
1,2-Dichlorobenzene	ND U	4.2	0.52	.78	11/08/18 15:50	
1,2-Dichloroethane	ND U	4.2	0.52	.78	11/08/18 15:50	
1,2-Dichloropropane	ND U	4.2	0.83	.78	11/08/18 15:50	
1,3-Dichlorobenzene	ND U	4.2	0.54	.78	11/08/18 15:50	
1,4-Dichlorobenzene	ND U	4.2	0.48	.78	11/08/18 15:50	
1,4-Dioxane	ND U	85	17	.78	11/08/18 15:50	
2-Butanone (MEK)	**32**	4.2	2.0	.78	11/08/18 15:50	
2-Hexanone	ND U	4.2	1.1	.78	11/08/18 15:50	
4-Methyl-2-pentanone	ND U	4.2	0.84	.78	11/08/18 15:50	
Acetone	**980 E**	4.2	2.4	.78	11/08/18 15:50	
Benzene	ND U	4.2	0.25	.78	11/08/18 15:50	
Bromochloromethane	ND U	4.2	1.2	.78	11/08/18 15:50	
Bromodichloromethane	ND U	4.2	0.52	.78	11/08/18 15:50	
Bromoform	ND U	4.2	0.79	.78	11/08/18 15:50	
Bromomethane	ND U	4.2	1.2	.78	11/08/18 15:50	
Carbon Disulfide	ND U	4.2	1.1	.78	11/08/18 15:50	
Carbon Tetrachloride	ND U	4.2	0.79	.78	11/08/18 15:50	
Chlorobenzene	ND U	4.2	0.25	.78	11/08/18 15:50	
Chloroethane	ND U	4.2	2.5	.78	11/08/18 15:50	
Chloroform	ND U	4.2	1.1	.78	11/08/18 15:50	
Chloromethane	ND U	4.2	0.34	.78	11/08/18 15:50	
Cyclohexane	ND U	4.2	1.2	.78	11/08/18 15:50	
Dibromochloromethane	ND U	4.2	0.62	.78	11/08/18 15:50	
Dichlorodifluoromethane (CFC 12)	ND U	4.2	1.7	.78	11/08/18 15:50	
Dichloromethane	ND U	4.2	0.49	.78	11/08/18 15:50	
Ethylbenzene	ND U	4.2	0.20	.78	11/08/18 15:50	
Isopropylbenzene (Cumene)	ND U	4.2	0.57	.78	11/08/18 15:50	
Methyl Acetate	**150**	4.2	1.5	.78	11/08/18 15:50	
Methyl tert-Butyl Ether	**4.7**	4.2	0.80	.78	11/08/18 15:50	
Methylcyclohexane	ND U	4.2	1.1	.78	11/08/18 15:50	
Styrene	ND U	4.2	0.26	.78	11/08/18 15:50	
Tetrachloroethene (PCE)	ND U	4.2	0.75	.78	11/08/18 15:50	
Toluene	ND U	4.2	0.85	.78	11/08/18 15:50	

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	4.2	0.86	.78	11/08/18 15:50	
Trichlorofluoromethane (CFC 11)	ND U	4.2	0.57	.78	11/08/18 15:50	
Vinyl Chloride	ND U	4.2	1.6	.78	11/08/18 15:50	
cis-1,2-Dichloroethene	ND U	4.2	0.81	.78	11/08/18 15:50	
cis-1,3-Dichloropropene	ND U	4.2	0.77	.78	11/08/18 15:50	
m,p-Xylenes	ND U	8.5	0.93	.78	11/08/18 15:50	
o-Xylene	ND U	4.2	0.41	.78	11/08/18 15:50	
trans-1,2-Dichloroethene	ND U	4.2	0.73	.78	11/08/18 15:50	
trans-1,3-Dichloropropene	ND U	4.2	0.17	.78	11/08/18 15:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	31 - 154	11/08/18 15:50	
Dibromofluoromethane	97	63 - 138	11/08/18 15:50	
Toluene-d8	104	66 - 138	11/08/18 15:50	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-11-7	1-Propene, 2-methyl-	1.20	12	JN
000109-66-0	Pentane	1.69	35	JN
	unknown	2.20	5.1	J
000287-92-3	Cyclopentane	2.46	4.9	JN
	unknown	2.52	13	J
000763-29-1	1-Pentene, 2-methyl-	2.82	17	JN
	unknown	3.64	20	J
	unknown	8.71	6.5	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	280	41	51.5	11/09/18 17:14	
1,1,2,2-Tetrachloroethane	ND U	280	46	51.5	11/09/18 17:14	
1,1,2-Trichloroethane	ND U	280	41	51.5	11/09/18 17:14	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	280	70	51.5	11/09/18 17:14	
1,1-Dichloroethane (1,1-DCA)	ND U	280	71	51.5	11/09/18 17:14	
1,1-Dichloroethene (1,1-DCE)	ND U	280	72	51.5	11/09/18 17:14	
1,2,3-Trichlorobenzene	ND U	280	35	51.5	11/09/18 17:14	
1,2,4-Trichlorobenzene	ND U	280	34	51.5	11/09/18 17:14	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	280	110	51.5	11/09/18 17:14	
1,2-Dibromoethane	ND U	280	68	51.5	11/09/18 17:14	
1,2-Dichlorobenzene	ND U	280	35	51.5	11/09/18 17:14	
1,2-Dichloroethane	ND U	280	35	51.5	11/09/18 17:14	
1,2-Dichloropropane	ND U	280	55	51.5	11/09/18 17:14	
1,3-Dichlorobenzene	ND U	280	36	51.5	11/09/18 17:14	
1,4-Dichlorobenzene	ND U	280	32	51.5	11/09/18 17:14	
1,4-Dioxane	ND U	5600	1100	51.5	11/09/18 17:14	
2-Butanone (MEK)	**360 BD**	280	130	51.5	11/09/18 17:14	
2-Hexanone	ND U	280	68	51.5	11/09/18 17:14	
4-Methyl-2-pentanone	ND U	280	55	51.5	11/09/18 17:14	
Acetone	**6100 D**	280	160	51.5	11/09/18 17:14	
Benzene	ND U	280	17	51.5	11/09/18 17:14	
Bromochloromethane	ND U	280	77	51.5	11/09/18 17:14	
Bromodichloromethane	ND U	280	35	51.5	11/09/18 17:14	
Bromoform	ND U	280	53	51.5	11/09/18 17:14	
Bromomethane	ND U	280	78	51.5	11/09/18 17:14	
Carbon Disulfide	ND U	280	70	51.5	11/09/18 17:14	
Carbon Tetrachloride	ND U	280	52	51.5	11/09/18 17:14	
Chlorobenzene	ND U	280	17	51.5	11/09/18 17:14	
Chloroethane	ND U	280	170	51.5	11/09/18 17:14	
Chloroform	ND U	280	71	51.5	11/09/18 17:14	
Chloromethane	ND U	280	23	51.5	11/09/18 17:14	
Cyclohexane	ND U	280	78	51.5	11/09/18 17:14	
Dibromochloromethane	ND U	280	41	51.5	11/09/18 17:14	
Dichlorodifluoromethane (CFC 12)	ND U	280	110	51.5	11/09/18 17:14	
Dichloromethane	ND U	280	32	51.5	11/09/18 17:14	
Ethylbenzene	ND U	280	13	51.5	11/09/18 17:14	
Isopropylbenzene (Cumene)	ND U	280	38	51.5	11/09/18 17:14	
Methyl Acetate	**1600 D**	280	99	51.5	11/09/18 17:14	
Methyl tert-Butyl Ether	**75 DJ**	280	53	51.5	11/09/18 17:14	
Methylcyclohexane	ND U	280	68	51.5	11/09/18 17:14	
Styrene	ND U	280	17	51.5	11/09/18 17:14	
Tetrachloroethene (PCE)	ND U	280	50	51.5	11/09/18 17:14	
Toluene	ND U	280	57	51.5	11/09/18 17:14	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	280	57	51.5	11/09/18 17:14	
Trichlorofluoromethane (CFC 11)	ND U	280	37	51.5	11/09/18 17:14	
Vinyl Chloride	ND U	280	110	51.5	11/09/18 17:14	
cis-1,2-Dichloroethene	ND U	280	54	51.5	11/09/18 17:14	
cis-1,3-Dichloropropene	ND U	280	51	51.5	11/09/18 17:14	
m,p-Xylenes	ND U	560	62	51.5	11/09/18 17:14	
o-Xylene	ND U	280	27	51.5	11/09/18 17:14	
trans-1,2-Dichloroethene	ND U	280	49	51.5	11/09/18 17:14	
trans-1,3-Dichloropropene	ND U	280	12	51.5	11/09/18 17:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/09/18 17:14	
Dibromofluoromethane	84	63 - 138	11/09/18 17:14	
Toluene-d8	103	66 - 138	11/09/18 17:14	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.42	500	J
000109-66-0	Pentane	1.65	950	JN
000763-29-1	1-Pentene, 2-methyl-	2.81	1100	JN
	unknown	3.65	350	J
	unknown	8.71	370	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.2	0.76	.88	11/08/18 16:13	
1,1,2,2-Tetrachloroethane	ND U	5.2	0.85	.88	11/08/18 16:13	
1,1,2-Trichloroethane	ND U	5.2	0.76	.88	11/08/18 16:13	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.2	1.3	.88	11/08/18 16:13	
1,1-Dichloroethane (1,1-DCA)	ND U	5.2	1.4	.88	11/08/18 16:13	
1,1-Dichloroethene (1,1-DCE)	ND U	5.2	1.4	.88	11/08/18 16:13	
1,2,3-Trichlorobenzene	ND U	5.2	0.65	.88	11/08/18 16:13	
1,2,4-Trichlorobenzene	ND U	5.2	0.62	.88	11/08/18 16:13	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.2	2.0	.88	11/08/18 16:13	
1,2-Dibromoethane	ND U	5.2	1.3	.88	11/08/18 16:13	
1,2-Dichlorobenzene	ND U	5.2	0.64	.88	11/08/18 16:13	
1,2-Dichloroethane	ND U	5.2	0.64	.88	11/08/18 16:13	
1,2-Dichloropropane	ND U	5.2	1.1	.88	11/08/18 16:13	
1,3-Dichlorobenzene	ND U	5.2	0.66	.88	11/08/18 16:13	
1,4-Dichlorobenzene	ND U	5.2	0.59	.88	11/08/18 16:13	
1,4-Dioxane	ND U	100	20	.88	11/08/18 16:13	
2-Butanone (MEK)	**33**	5.2	2.4	.88	11/08/18 16:13	
2-Hexanone	ND U	5.2	1.3	.88	11/08/18 16:13	
4-Methyl-2-pentanone	ND U	5.2	1.1	.88	11/08/18 16:13	
Acetone	**960 E**	5.2	3.0	.88	11/08/18 16:13	
Benzene	ND U	5.2	0.31	.88	11/08/18 16:13	
Bromochloromethane	ND U	5.2	1.5	.88	11/08/18 16:13	
Bromodichloromethane	ND U	5.2	0.64	.88	11/08/18 16:13	
Bromoform	ND U	5.2	0.97	.88	11/08/18 16:13	
Bromomethane	ND U	5.2	1.5	.88	11/08/18 16:13	
Carbon Disulfide	ND U	5.2	1.3	.88	11/08/18 16:13	
Carbon Tetrachloride	ND U	5.2	0.96	.88	11/08/18 16:13	
Chlorobenzene	ND U	5.2	0.31	.88	11/08/18 16:13	
Chloroethane	ND U	5.2	3.0	.88	11/08/18 16:13	
Chloroform	ND U	5.2	1.4	.88	11/08/18 16:13	
Chloromethane	**0.92 J**	5.2	0.42	.88	11/08/18 16:13	
Cyclohexane	ND U	5.2	1.5	.88	11/08/18 16:13	
Dibromochloromethane	ND U	5.2	0.76	.88	11/08/18 16:13	
Dichlorodifluoromethane (CFC 12)	ND U	5.2	2.0	.88	11/08/18 16:13	
Dichloromethane	ND U	5.2	0.60	.88	11/08/18 16:13	
Ethylbenzene	ND U	5.2	0.24	.88	11/08/18 16:13	
Isopropylbenzene (Cumene)	ND U	5.2	0.70	.88	11/08/18 16:13	
Methyl Acetate	**170**	5.2	1.9	.88	11/08/18 16:13	
Methyl tert-Butyl Ether	**6.7**	5.2	0.98	.88	11/08/18 16:13	
Methylcyclohexane	ND U	5.2	1.3	.88	11/08/18 16:13	
Styrene	ND U	5.2	0.32	.88	11/08/18 16:13	
Tetrachloroethene (PCE)	ND U	5.2	0.92	.88	11/08/18 16:13	
Toluene	ND U	5.2	1.1	.88	11/08/18 16:13	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.2	1.1	.88	11/08/18 16:13	
Trichlorofluoromethane (CFC 11)	ND U	5.2	0.69	.88	11/08/18 16:13	
Vinyl Chloride	ND U	5.2	2.0	.88	11/08/18 16:13	
cis-1,2-Dichloroethene	ND U	5.2	0.99	.88	11/08/18 16:13	
cis-1,3-Dichloropropene	ND U	5.2	0.94	.88	11/08/18 16:13	
m,p-Xylenes	ND U	10	1.2	.88	11/08/18 16:13	
o-Xylene	ND U	5.2	0.50	.88	11/08/18 16:13	
trans-1,2-Dichloroethene	ND U	5.2	0.90	.88	11/08/18 16:13	
trans-1,3-Dichloropropene	ND U	5.2	0.21	.88	11/08/18 16:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	11/08/18 16:13	
Dibromofluoromethane	96	63 - 138	11/08/18 16:13	
Toluene-d8	104	66 - 138	11/08/18 16:13	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000109-66-0	Pentane	1.68	75	JN
000107-83-5	Pentane, 2-methyl-	2.41	11	JN
	unknown	2.52	15	J
000763-29-1	1-Pentene, 2-methyl-	2.82	39	JN
	unknown	3.63	29	J
000589-53-7	Heptane, 4-methyl-	7.58	5.7	JN
002213-23-2	Heptane, 2,4-dimethyl-	8.71	10	JN

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	780	120	132.5	11/09/18 17:36	
1,1,2,2-Tetrachloroethane	ND U	780	130	132.5	11/09/18 17:36	
1,1,2-Trichloroethane	ND U	780	120	132.5	11/09/18 17:36	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	780	200	132.5	11/09/18 17:36	
1,1-Dichloroethane (1,1-DCA)	ND U	780	200	132.5	11/09/18 17:36	
1,1-Dichloroethene (1,1-DCE)	ND U	780	210	132.5	11/09/18 17:36	
1,2,3-Trichlorobenzene	ND U	780	98	132.5	11/09/18 17:36	
1,2,4-Trichlorobenzene	ND U	780	93	132.5	11/09/18 17:36	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	780	300	132.5	11/09/18 17:36	
1,2-Dibromoethane	ND U	780	190	132.5	11/09/18 17:36	
1,2-Dichlorobenzene	ND U	780	96	132.5	11/09/18 17:36	
1,2-Dichloroethane	ND U	780	96	132.5	11/09/18 17:36	
1,2-Dichloropropane	ND U	780	160	132.5	11/09/18 17:36	
1,3-Dichlorobenzene	ND U	780	99	132.5	11/09/18 17:36	
1,4-Dichlorobenzene	ND U	780	88	132.5	11/09/18 17:36	
1,4-Dioxane	ND U	16000	3000	132.5	11/09/18 17:36	
2-Butanone (MEK)	**520 BDJ**	780	360	132.5	11/09/18 17:36	
2-Hexanone	ND U	780	190	132.5	11/09/18 17:36	
4-Methyl-2-pentanone	ND U	780	160	132.5	11/09/18 17:36	
Acetone	ND U	780	450	132.5	11/09/18 17:36	
Benzene	ND U	780	46	132.5	11/09/18 17:36	
Bromochloromethane	ND U	780	220	132.5	11/09/18 17:36	
Bromodichloromethane	ND U	780	96	132.5	11/09/18 17:36	
Bromoform	ND U	780	150	132.5	11/09/18 17:36	
Bromomethane	ND U	780	220	132.5	11/09/18 17:36	
Carbon Disulfide	ND U	780	200	132.5	11/09/18 17:36	
Carbon Tetrachloride	ND U	780	150	132.5	11/09/18 17:36	
Chlorobenzene	ND U	780	46	132.5	11/09/18 17:36	
Chloroethane	ND U	780	450	132.5	11/09/18 17:36	
Chloroform	ND U	780	200	132.5	11/09/18 17:36	
Chloromethane	ND U	780	63	132.5	11/09/18 17:36	
Cyclohexane	ND U	780	220	132.5	11/09/18 17:36	
Dibromochloromethane	ND U	780	120	132.5	11/09/18 17:36	
Dichlorodifluoromethane (CFC 12)	ND U	780	300	132.5	11/09/18 17:36	
Dichloromethane	ND U	780	90	132.5	11/09/18 17:36	
Ethylbenzene	ND U	780	37	132.5	11/09/18 17:36	
Isopropylbenzene (Cumene)	ND U	780	110	132.5	11/09/18 17:36	
Methyl Acetate	ND U	780	280	132.5	11/09/18 17:36	
Methyl tert-Butyl Ether	ND U	780	150	132.5	11/09/18 17:36	
Methylcyclohexane	ND U	780	190	132.5	11/09/18 17:36	
Styrene	ND U	780	47	132.5	11/09/18 17:36	
Tetrachloroethene (PCE)	ND U	780	140	132.5	11/09/18 17:36	
Toluene	ND U	780	160	132.5	11/09/18 17:36	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	780	160	132.5	11/09/18 17:36	
Trichlorofluoromethane (CFC 11)	ND U	780	110	132.5	11/09/18 17:36	
Vinyl Chloride	ND U	780	290	132.5	11/09/18 17:36	
cis-1,2-Dichloroethene	ND U	780	150	132.5	11/09/18 17:36	
cis-1,3-Dichloropropene	ND U	780	150	132.5	11/09/18 17:36	
m,p-Xylenes	ND U	1600	180	132.5	11/09/18 17:36	
o-Xylene	ND U	780	76	132.5	11/09/18 17:36	
trans-1,2-Dichloroethene	ND U	780	140	132.5	11/09/18 17:36	
trans-1,3-Dichloropropene	ND U	780	32	132.5	11/09/18 17:36	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	No Tentatively Identified Compounds Detected			

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	31 - 154	11/09/18 17:36	
Dibromofluoromethane	83	63 - 138	11/09/18 17:36	
Toluene-d8	103	66 - 138	11/09/18 17:36	

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND	U	5.3	0.78	.97	11/08/18 16:37	
1,1,2,2-Tetrachloroethane	ND	U	5.3	0.87	.97	11/08/18 16:37	
1,1,2-Trichloroethane	ND	U	5.3	0.78	.97	11/08/18 16:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	5.3	1.4	.97	11/08/18 16:37	
1,1-Dichloroethane (1,1-DCA)	ND	U	5.3	1.4	.97	11/08/18 16:37	
1,1-Dichloroethene (1,1-DCE)	ND	U	5.3	1.4	.97	11/08/18 16:37	
1,2,3-Trichlorobenzene	ND	U	5.3	0.67	.97	11/08/18 16:37	
1,2,4-Trichlorobenzene	ND	U	5.3	0.63	.97	11/08/18 16:37	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.3	2.0	.97	11/08/18 16:37	
1,2-Dibromoethane	ND	U	5.3	1.3	.97	11/08/18 16:37	
1,2-Dichlorobenzene	ND	U	5.3	0.66	.97	11/08/18 16:37	
1,2-Dichloroethane	ND	U	5.3	0.66	.97	11/08/18 16:37	
1,2-Dichloropropane	ND	U	5.3	1.1	.97	11/08/18 16:37	
1,3-Dichlorobenzene	ND	U	5.3	0.68	.97	11/08/18 16:37	
1,4-Dichlorobenzene	ND	U	5.3	0.60	.97	11/08/18 16:37	
1,4-Dioxane	ND	U	110	21	.97	11/08/18 16:37	
2-Butanone (MEK)	**42**		5.3	2.5	.97	11/08/18 16:37	
2-Hexanone	ND	U	5.3	1.3	.97	11/08/18 16:37	
4-Methyl-2-pentanone	ND	U	5.3	1.1	.97	11/08/18 16:37	
Acetone	**940**	**E**	5.3	3.0	.97	11/08/18 16:37	
Benzene	ND	U	5.3	0.31	.97	11/08/18 16:37	
Bromochloromethane	ND	U	5.3	1.5	.97	11/08/18 16:37	
Bromodichloromethane	ND	U	5.3	0.66	.97	11/08/18 16:37	
Bromoform	ND	U	5.3	1.0	.97	11/08/18 16:37	
Bromomethane	ND	U	5.3	1.5	.97	11/08/18 16:37	
Carbon Disulfide	ND	U	5.3	1.4	.97	11/08/18 16:37	
Carbon Tetrachloride	ND	U	5.3	0.99	.97	11/08/18 16:37	
Chlorobenzene	ND	U	5.3	0.31	.97	11/08/18 16:37	
Chloroethane	ND	U	5.3	3.1	.97	11/08/18 16:37	
Chloroform	ND	U	5.3	1.4	.97	11/08/18 16:37	
Chloromethane	ND	U	5.3	0.43	.97	11/08/18 16:37	
Cyclohexane	ND	U	5.3	1.5	.97	11/08/18 16:37	
Dibromochloromethane	ND	U	5.3	0.78	.97	11/08/18 16:37	
Dichlorodifluoromethane (CFC 12)	ND	U	5.3	2.1	.97	11/08/18 16:37	
Dichloromethane	ND	U	5.3	0.61	.97	11/08/18 16:37	
Ethylbenzene	ND	U	5.3	0.25	.97	11/08/18 16:37	
Isopropylbenzene (Cumene)	ND	U	5.3	0.72	.97	11/08/18 16:37	
Methyl Acetate	**110**		5.3	1.9	.97	11/08/18 16:37	
Methyl tert-Butyl Ether	**3.0**	**J**	5.3	1.1	.97	11/08/18 16:37	
Methylcyclohexane	ND	U	5.3	1.3	.97	11/08/18 16:37	
Styrene	ND	U	5.3	0.33	.97	11/08/18 16:37	
Tetrachloroethene (PCE)	ND	U	5.3	0.94	.97	11/08/18 16:37	
Toluene	ND	U	5.3	1.1	.97	11/08/18 16:37	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.3	1.1	.97	11/08/18 16:37	
Trichlorofluoromethane (CFC 11)	ND U	5.3	0.71	.97	11/08/18 16:37	
Vinyl Chloride	ND U	5.3	2.0	.97	11/08/18 16:37	
cis-1,2-Dichloroethene	ND U	5.3	1.1	.97	11/08/18 16:37	
cis-1,3-Dichloropropene	ND U	5.3	0.97	.97	11/08/18 16:37	
m,p-Xylenes	ND U	11	1.2	.97	11/08/18 16:37	
o-Xylene	ND U	5.3	0.52	.97	11/08/18 16:37	
trans-1,2-Dichloroethene	ND U	5.3	0.92	.97	11/08/18 16:37	
trans-1,3-Dichloropropene	ND U	5.3	0.22	.97	11/08/18 16:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	11/08/18 16:37	
Dibromofluoromethane	96	63 - 138	11/08/18 16:37	
Toluene-d8	104	66 - 138	11/08/18 16:37	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000115-11-7	1-Propene, 2-methyl-	1.20	23	JN
000109-66-0	Pentane	1.69	60	JN
	unknown	2.42	7.0	J
000763-29-1	1-Pentene, 2-methyl-	2.83	28	JN
	unknown	3.64	15	J
	unknown	8.71	9.4	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	290	43	53	11/09/18 17:58	
1,1,2,2-Tetrachloroethane	ND U	290	48	53	11/09/18 17:58	
1,1,2-Trichloroethane	ND U	290	43	53	11/09/18 17:58	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	290	73	53	11/09/18 17:58	
1,1-Dichloroethane (1,1-DCA)	ND U	290	73	53	11/09/18 17:58	
1,1-Dichloroethene (1,1-DCE)	ND U	290	75	53	11/09/18 17:58	
1,2,3-Trichlorobenzene	ND U	290	37	53	11/09/18 17:58	
1,2,4-Trichlorobenzene	ND U	290	35	53	11/09/18 17:58	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	290	110	53	11/09/18 17:58	
1,2-Dibromoethane	ND U	290	71	53	11/09/18 17:58	
1,2-Dichlorobenzene	ND U	290	36	53	11/09/18 17:58	
1,2-Dichloroethane	ND U	290	36	53	11/09/18 17:58	
1,2-Dichloropropane	ND U	290	57	53	11/09/18 17:58	
1,3-Dichlorobenzene	ND U	290	37	53	11/09/18 17:58	
1,4-Dichlorobenzene	ND U	290	33	53	11/09/18 17:58	
1,4-Dioxane	ND U	5800	1200	53	11/09/18 17:58	
2-Butanone (MEK)	**150 BDJ**	290	140	53	11/09/18 17:58	
2-Hexanone	ND U	290	71	53	11/09/18 17:58	
4-Methyl-2-pentanone	ND U	290	58	53	11/09/18 17:58	
Acetone	**790 D**	290	170	53	11/09/18 17:58	
Benzene	ND U	290	17	53	11/09/18 17:58	
Bromochloromethane	ND U	290	80	53	11/09/18 17:58	
Bromodichloromethane	ND U	290	36	53	11/09/18 17:58	
Bromoform	ND U	290	55	53	11/09/18 17:58	
Bromomethane	ND U	290	81	53	11/09/18 17:58	
Carbon Disulfide	ND U	290	73	53	11/09/18 17:58	
Carbon Tetrachloride	ND U	290	54	53	11/09/18 17:58	
Chlorobenzene	ND U	290	17	53	11/09/18 17:58	
Chloroethane	ND U	290	170	53	11/09/18 17:58	
Chloroform	ND U	290	74	53	11/09/18 17:58	
Chloromethane	ND U	290	24	53	11/09/18 17:58	
Cyclohexane	ND U	290	81	53	11/09/18 17:58	
Dibromochloromethane	ND U	290	43	53	11/09/18 17:58	
Dichlorodifluoromethane (CFC 12)	ND U	290	120	53	11/09/18 17:58	
Dichloromethane	ND U	290	34	53	11/09/18 17:58	
Ethylbenzene	ND U	290	14	53	11/09/18 17:58	
Isopropylbenzene (Cumene)	ND U	290	40	53	11/09/18 17:58	
Methyl Acetate	**130 BDJ**	290	110	53	11/09/18 17:58	
Methyl tert-Butyl Ether	ND U	290	55	53	11/09/18 17:58	
Methylcyclohexane	ND U	290	70	53	11/09/18 17:58	
Styrene	ND U	290	18	53	11/09/18 17:58	
Tetrachloroethene (PCE)	ND U	290	52	53	11/09/18 17:58	
Toluene	ND U	290	59	53	11/09/18 17:58	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	290	59	53	11/09/18 17:58	
Trichlorofluoromethane (CFC 11)	ND U	290	39	53	11/09/18 17:58	
Vinyl Chloride	ND U	290	110	53	11/09/18 17:58	
cis-1,2-Dichloroethene	ND U	290	56	53	11/09/18 17:58	
cis-1,3-Dichloropropene	ND U	290	53	53	11/09/18 17:58	
m,p-Xylenes	ND U	580	64	53	11/09/18 17:58	
o-Xylene	ND U	290	28	53	11/09/18 17:58	
trans-1,2-Dichloroethene	ND U	290	51	53	11/09/18 17:58	
trans-1,3-Dichloropropene	ND U	290	12	53	11/09/18 17:58	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	No Tentatively Identified Compounds Detected			

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	11/09/18 17:58	
Dibromofluoromethane	84	63 - 138	11/09/18 17:58	
Toluene-d8	102	66 - 138	11/09/18 17:58	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	4.9	0.72	.79	11/08/18 17:00	
1,1,2,2-Tetrachloroethane	ND U	4.9	0.80	.79	11/08/18 17:00	
1,1,2-Trichloroethane	ND U	4.9	0.72	.79	11/08/18 17:00	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	4.9	1.3	.79	11/08/18 17:00	
1,1-Dichloroethane (1,1-DCA)	ND U	4.9	1.3	.79	11/08/18 17:00	
1,1-Dichloroethene (1,1-DCE)	ND U	4.9	1.3	.79	11/08/18 17:00	
1,2,3-Trichlorobenzene	ND U	4.9	0.61	.79	11/08/18 17:00	
1,2,4-Trichlorobenzene	ND U	4.9	0.58	.79	11/08/18 17:00	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	4.9	1.9	.79	11/08/18 17:00	
1,2-Dibromoethane	ND U	4.9	1.2	.79	11/08/18 17:00	
1,2-Dichlorobenzene	ND U	4.9	0.60	.79	11/08/18 17:00	
1,2-Dichloroethane	ND U	4.9	0.60	.79	11/08/18 17:00	
1,2-Dichloropropane	ND U	4.9	0.95	.79	11/08/18 17:00	
1,3-Dichlorobenzene	ND U	4.9	0.62	.79	11/08/18 17:00	
1,4-Dichlorobenzene	ND U	4.9	0.55	.79	11/08/18 17:00	
1,4-Dioxane	ND U	98	19	.79	11/08/18 17:00	
2-Butanone (MEK)	**24**	4.9	2.3	.79	11/08/18 17:00	
2-Hexanone	ND U	4.9	1.2	.79	11/08/18 17:00	
4-Methyl-2-pentanone	ND U	4.9	0.96	.79	11/08/18 17:00	
Acetone	**550 E**	4.9	2.8	.79	11/08/18 17:00	
Benzene	ND U	4.9	0.29	.79	11/08/18 17:00	
Bromochloromethane	ND U	4.9	1.4	.79	11/08/18 17:00	
Bromodichloromethane	ND U	4.9	0.60	.79	11/08/18 17:00	
Bromoform	ND U	4.9	0.92	.79	11/08/18 17:00	
Bromomethane	ND U	4.9	1.4	.79	11/08/18 17:00	
Carbon Disulfide	ND U	4.9	1.3	.79	11/08/18 17:00	
Carbon Tetrachloride	ND U	4.9	0.91	.79	11/08/18 17:00	
Chlorobenzene	ND U	4.9	0.29	.79	11/08/18 17:00	
Chloroethane	ND U	4.9	2.9	.79	11/08/18 17:00	
Chloroform	ND U	4.9	1.3	.79	11/08/18 17:00	
Chloromethane	**0.48 J**	4.9	0.40	.79	11/08/18 17:00	
Cyclohexane	ND U	4.9	1.4	.79	11/08/18 17:00	
Dibromochloromethane	ND U	4.9	0.72	.79	11/08/18 17:00	
Dichlorodifluoromethane (CFC 12)	ND U	4.9	1.9	.79	11/08/18 17:00	
Dichloromethane	ND U	4.9	0.56	.79	11/08/18 17:00	
Ethylbenzene	ND U	4.9	0.23	.79	11/08/18 17:00	
Isopropylbenzene (Cumene)	ND U	4.9	0.66	.79	11/08/18 17:00	
Methyl Acetate	**38**	4.9	1.8	.79	11/08/18 17:00	
Methyl tert-Butyl Ether	**3.1 J**	4.9	0.93	.79	11/08/18 17:00	
Methylcyclohexane	ND U	4.9	1.2	.79	11/08/18 17:00	
Styrene	ND U	4.9	0.30	.79	11/08/18 17:00	
Tetrachloroethene (PCE)	ND U	4.9	0.87	.79	11/08/18 17:00	
Toluene	ND U	4.9	0.98	.79	11/08/18 17:00	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	4.9	0.99	.79	11/08/18 17:00	
Trichlorofluoromethane (CFC 11)	ND U	4.9	0.65	.79	11/08/18 17:00	
Vinyl Chloride	ND U	4.9	1.9	.79	11/08/18 17:00	
cis-1,2-Dichloroethene	ND U	4.9	0.93	.79	11/08/18 17:00	
cis-1,3-Dichloropropene	ND U	4.9	0.89	.79	11/08/18 17:00	
m,p-Xylenes	ND U	9.8	1.1	.79	11/08/18 17:00	
o-Xylene	ND U	4.9	0.47	.79	11/08/18 17:00	
trans-1,2-Dichloroethene	ND U	4.9	0.85	.79	11/08/18 17:00	
trans-1,3-Dichloropropene	ND U	4.9	0.20	.79	11/08/18 17:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	31 - 154	11/08/18 17:00	
Dibromofluoromethane	96	63 - 138	11/08/18 17:00	
Toluene-d8	104	66 - 138	11/08/18 17:00	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000109-66-0	Pentane	1.70	57	JN
	unknown	2.43	6.0	J
	unknown	2.52	5.4	J
000763-29-1	1-Pentene, 2-methyl-	2.83	25	JN
	unknown	3.64	14	J
	unknown	8.71	8.0	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	440	65	71	11/09/18 18:21	
1,1,2,2-Tetrachloroethane	ND U	440	72	71	11/09/18 18:21	
1,1,2-Trichloroethane	ND U	440	65	71	11/09/18 18:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	440	110	71	11/09/18 18:21	
1,1-Dichloroethane (1,1-DCA)	ND U	440	110	71	11/09/18 18:21	
1,1-Dichloroethene (1,1-DCE)	ND U	440	120	71	11/09/18 18:21	
1,2,3-Trichlorobenzene	ND U	440	55	71	11/09/18 18:21	
1,2,4-Trichlorobenzene	ND U	440	52	71	11/09/18 18:21	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	440	170	71	11/09/18 18:21	
1,2-Dibromoethane	ND U	440	110	71	11/09/18 18:21	
1,2-Dichlorobenzene	ND U	440	54	71	11/09/18 18:21	
1,2-Dichloroethane	ND U	440	54	71	11/09/18 18:21	
1,2-Dichloropropane	ND U	440	86	71	11/09/18 18:21	
1,3-Dichlorobenzene	ND U	440	56	71	11/09/18 18:21	
1,4-Dichlorobenzene	ND U	440	50	71	11/09/18 18:21	
1,4-Dioxane	ND U	8800	1700	71	11/09/18 18:21	
2-Butanone (MEK)	ND U	440	210	71	11/09/18 18:21	
2-Hexanone	ND U	440	110	71	11/09/18 18:21	
4-Methyl-2-pentanone	ND U	440	87	71	11/09/18 18:21	
Acetone	**1600 D**	440	250	71	11/09/18 18:21	
Benzene	ND U	440	26	71	11/09/18 18:21	
Bromochloromethane	ND U	440	120	71	11/09/18 18:21	
Bromodichloromethane	ND U	440	54	71	11/09/18 18:21	
Bromoform	ND U	440	82	71	11/09/18 18:21	
Bromomethane	ND U	440	130	71	11/09/18 18:21	
Carbon Disulfide	ND U	440	110	71	11/09/18 18:21	
Carbon Tetrachloride	ND U	440	81	71	11/09/18 18:21	
Chlorobenzene	ND U	440	26	71	11/09/18 18:21	
Chloroethane	ND U	440	260	71	11/09/18 18:21	
Chloroform	ND U	440	120	71	11/09/18 18:21	
Chloromethane	ND U	440	36	71	11/09/18 18:21	
Cyclohexane	ND U	440	130	71	11/09/18 18:21	
Dibromochloromethane	ND U	440	65	71	11/09/18 18:21	
Dichlorodifluoromethane (CFC 12)	ND U	440	170	71	11/09/18 18:21	
Dichloromethane	ND U	440	51	71	11/09/18 18:21	
Ethylbenzene	ND U	440	21	71	11/09/18 18:21	
Isopropylbenzene (Cumene)	ND U	440	59	71	11/09/18 18:21	
Methyl Acetate	**280 BDJ**	440	160	71	11/09/18 18:21	
Methyl tert-Butyl Ether	ND U	440	83	71	11/09/18 18:21	
Methylcyclohexane	ND U	440	110	71	11/09/18 18:21	
Styrene	ND U	440	27	71	11/09/18 18:21	
Tetrachloroethene (PCE)	ND U	440	78	71	11/09/18 18:21	
Toluene	ND U	440	88	71	11/09/18 18:21	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	440	89	71	11/09/18 18:21	
Trichlorofluoromethane (CFC 11)	ND U	440	59	71	11/09/18 18:21	
Vinyl Chloride	ND U	440	170	71	11/09/18 18:21	
cis-1,2-Dichloroethene	ND U	440	84	71	11/09/18 18:21	
cis-1,3-Dichloropropene	ND U	440	80	71	11/09/18 18:21	
m,p-Xylenes	ND U	880	96	71	11/09/18 18:21	
o-Xylene	ND U	440	43	71	11/09/18 18:21	
trans-1,2-Dichloroethene	ND U	440	76	71	11/09/18 18:21	
trans-1,3-Dichloropropene	ND U	440	18	71	11/09/18 18:21	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	No Tentatively Identified Compounds Detected			

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	31 - 154	11/09/18 18:21	
Dibromofluoromethane	82	63 - 138	11/09/18 18:21	
Toluene-d8	102	66 - 138	11/09/18 18:21	

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.1	0.75	.86	11/08/18 17:23	
1,1,2,2-Tetrachloroethane	ND U	5.1	0.84	.86	11/08/18 17:23	
1,1,2-Trichloroethane	ND U	5.1	0.75	.86	11/08/18 17:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.1	1.3	.86	11/08/18 17:23	
1,1-Dichloroethane (1,1-DCA)	ND U	5.1	1.3	.86	11/08/18 17:23	
1,1-Dichloroethene (1,1-DCE)	ND U	5.1	1.4	.86	11/08/18 17:23	
1,2,3-Trichlorobenzene	ND U	5.1	0.64	.86	11/08/18 17:23	
1,2,4-Trichlorobenzene	ND U	5.1	0.61	.86	11/08/18 17:23	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.1	2.0	.86	11/08/18 17:23	
1,2-Dibromoethane	ND U	5.1	1.3	.86	11/08/18 17:23	
1,2-Dichlorobenzene	ND U	5.1	0.63	.86	11/08/18 17:23	
1,2-Dichloroethane	ND U	5.1	0.63	.86	11/08/18 17:23	
1,2-Dichloropropane	ND U	5.1	1.0	.86	11/08/18 17:23	
1,3-Dichlorobenzene	ND U	5.1	0.65	.86	11/08/18 17:23	
1,4-Dichlorobenzene	ND U	5.1	0.58	.86	11/08/18 17:23	
1,4-Dioxane	ND U	100	20	.86	11/08/18 17:23	
2-Butanone (MEK)	ND U	5.1	2.4	.86	11/08/18 17:23	
2-Hexanone	ND U	5.1	1.3	.86	11/08/18 17:23	
4-Methyl-2-pentanone	ND U	5.1	1.1	.86	11/08/18 17:23	
Acetone	**12**	5.1	2.9	.86	11/08/18 17:23	
Benzene	ND U	5.1	0.30	.86	11/08/18 17:23	
Bromochloromethane	ND U	5.1	1.4	.86	11/08/18 17:23	
Bromodichloromethane	ND U	5.1	0.63	.86	11/08/18 17:23	
Bromoform	ND U	5.1	0.96	.86	11/08/18 17:23	
Bromomethane	ND U	5.1	1.5	.86	11/08/18 17:23	
Carbon Disulfide	ND U	5.1	1.3	.86	11/08/18 17:23	
Carbon Tetrachloride	ND U	5.1	0.95	.86	11/08/18 17:23	
Chlorobenzene	ND U	5.1	0.30	.86	11/08/18 17:23	
Chloroethane	ND U	5.1	3.0	.86	11/08/18 17:23	
Chloroform	ND U	5.1	1.3	.86	11/08/18 17:23	
Chloromethane	ND U	5.1	0.42	.86	11/08/18 17:23	
Cyclohexane	ND U	5.1	1.5	.86	11/08/18 17:23	
Dibromochloromethane	ND U	5.1	0.75	.86	11/08/18 17:23	
Dichlorodifluoromethane (CFC 12)	ND U	5.1	2.0	.86	11/08/18 17:23	
Dichloromethane	**2.6 J**	5.1	0.59	.86	11/08/18 17:23	
Ethylbenzene	ND U	5.1	0.24	.86	11/08/18 17:23	
Isopropylbenzene (Cumene)	ND U	5.1	0.69	.86	11/08/18 17:23	
Methyl Acetate	ND U	5.1	1.8	.86	11/08/18 17:23	
Methyl tert-Butyl Ether	ND U	5.1	0.97	.86	11/08/18 17:23	
Methylcyclohexane	ND U	5.1	1.3	.86	11/08/18 17:23	
Styrene	ND U	5.1	0.31	.86	11/08/18 17:23	
Tetrachloroethene (PCE)	ND U	5.1	0.91	.86	11/08/18 17:23	
Toluene	ND U	5.1	1.1	.86	11/08/18 17:23	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.1	1.1	.86	11/08/18 17:23	
Trichlorofluoromethane (CFC 11)	ND U	5.1	0.68	.86	11/08/18 17:23	
Vinyl Chloride	ND U	5.1	1.9	.86	11/08/18 17:23	
cis-1,2-Dichloroethene	ND U	5.1	0.98	.86	11/08/18 17:23	
cis-1,3-Dichloropropene	ND U	5.1	0.93	.86	11/08/18 17:23	
m,p-Xylenes	ND U	10	1.2	.86	11/08/18 17:23	
o-Xylene	ND U	5.1	0.50	.86	11/08/18 17:23	
trans-1,2-Dichloroethene	ND U	5.1	0.89	.86	11/08/18 17:23	
trans-1,3-Dichloropropene	ND U	5.1	0.21	.86	11/08/18 17:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/08/18 17:23	
Dibromofluoromethane	98	63 - 138	11/08/18 17:23	
Toluene-d8	104	66 - 138	11/08/18 17:23	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
000109-66-0	Pentane	1.70	5.2	JN
	unknown	8.71	7.5	J

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND	U	5.0	0.73	.81	11/08/18 17:46	
1,1,2,2-Tetrachloroethane	ND	U	5.0	0.81	.81	11/08/18 17:46	
1,1,2-Trichloroethane	ND	U	5.0	0.73	.81	11/08/18 17:46	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	5.0	1.3	.81	11/08/18 17:46	
1,1-Dichloroethane (1,1-DCA)	ND	U	5.0	1.3	.81	11/08/18 17:46	
1,1-Dichloroethene (1,1-DCE)	ND	U	5.0	1.3	.81	11/08/18 17:46	
1,2,3-Trichlorobenzene	ND	U	5.0	0.62	.81	11/08/18 17:46	
1,2,4-Trichlorobenzene	ND	U	5.0	0.59	.81	11/08/18 17:46	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	1.9	.81	11/08/18 17:46	
1,2-Dibromoethane	ND	U	5.0	1.3	.81	11/08/18 17:46	
1,2-Dichlorobenzene	ND	U	5.0	0.61	.81	11/08/18 17:46	
1,2-Dichloroethane	ND	U	5.0	0.61	.81	11/08/18 17:46	
1,2-Dichloropropane	ND	U	5.0	0.97	.81	11/08/18 17:46	
1,3-Dichlorobenzene	ND	U	5.0	0.63	.81	11/08/18 17:46	
1,4-Dichlorobenzene	ND	U	5.0	0.56	.81	11/08/18 17:46	
1,4-Dioxane	ND	U	100	20	.81	11/08/18 17:46	
2-Butanone (MEK)	**83**		5.0	2.3	.81	11/08/18 17:46	
2-Hexanone	ND	U	5.0	1.3	.81	11/08/18 17:46	
4-Methyl-2-pentanone	ND	U	5.0	0.98	.81	11/08/18 17:46	
Acetone	**2100**	**E**	5.0	2.8	.81	11/08/18 17:46	
Benzene	ND	U	5.0	0.29	.81	11/08/18 17:46	
Bromochloromethane	ND	U	5.0	1.4	.81	11/08/18 17:46	
Bromodichloromethane	ND	U	5.0	0.61	.81	11/08/18 17:46	
Bromoform	ND	U	5.0	0.93	.81	11/08/18 17:46	
Bromomethane	ND	U	5.0	1.4	.81	11/08/18 17:46	
Carbon Disulfide	ND	U	5.0	1.3	.81	11/08/18 17:46	
Carbon Tetrachloride	ND	U	5.0	0.92	.81	11/08/18 17:46	
Chlorobenzene	ND	U	5.0	0.29	.81	11/08/18 17:46	
Chloroethane	ND	U	5.0	2.9	.81	11/08/18 17:46	
Chloroform	ND	U	5.0	1.3	.81	11/08/18 17:46	
Chloromethane	**0.53**	**J**	5.0	0.40	.81	11/08/18 17:46	
Cyclohexane	ND	U	5.0	1.4	.81	11/08/18 17:46	
Dibromochloromethane	ND	U	5.0	0.73	.81	11/08/18 17:46	
Dichlorodifluoromethane (CFC 12)	ND	U	5.0	1.9	.81	11/08/18 17:46	
Dichloromethane	ND	U	5.0	0.57	.81	11/08/18 17:46	
Ethylbenzene	ND	U	5.0	0.23	.81	11/08/18 17:46	
Isopropylbenzene (Cumene)	ND	U	5.0	0.67	.81	11/08/18 17:46	
Methyl Acetate	**440**	**E**	5.0	1.8	.81	11/08/18 17:46	
Methyl tert-Butyl Ether	**15**		5.0	0.94	.81	11/08/18 17:46	
Methylcyclohexane	ND	U	5.0	1.2	.81	11/08/18 17:46	
Styrene	ND	U	5.0	0.30	.81	11/08/18 17:46	
Tetrachloroethene (PCE)	ND	U	5.0	0.88	.81	11/08/18 17:46	
Toluene	ND	U	5.0	1.0	.81	11/08/18 17:46	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	1.1	.81	11/08/18 17:46	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.66	.81	11/08/18 17:46	
Vinyl Chloride	ND U	5.0	1.9	.81	11/08/18 17:46	
cis-1,2-Dichloroethene	ND U	5.0	0.95	.81	11/08/18 17:46	
cis-1,3-Dichloropropene	ND U	5.0	0.90	.81	11/08/18 17:46	
m,p-Xylenes	ND U	10	1.1	.81	11/08/18 17:46	
o-Xylene	ND U	5.0	0.48	.81	11/08/18 17:46	
trans-1,2-Dichloroethene	ND U	5.0	0.86	.81	11/08/18 17:46	
trans-1,3-Dichloropropene	ND U	5.0	0.20	.81	11/08/18 17:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	11/08/18 17:46	
Dibromofluoromethane	97	63 - 138	11/08/18 17:46	
Toluene-d8	105	66 - 138	11/08/18 17:46	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.43	5.8	J
000109-66-0	Pentane	1.69	120	JN
000107-83-5	Pentane, 2-methyl-	2.42	16	JN
	unknown	2.54	40	J
000763-29-1	1-Pentene, 2-methyl-	2.82	54	JN
000110-54-3	Hexane	2.92	5.9	JN
	unknown	3.64	50	J
000589-53-7	Heptane, 4-methyl-	7.58	5.8	JN
	unknown	8.71	13	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	340	50	55	11/09/18 18:43	
1,1,2,2-Tetrachloroethane	ND U	340	55	55	11/09/18 18:43	
1,1,2-Trichloroethane	ND U	340	50	55	11/09/18 18:43	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	340	84	55	11/09/18 18:43	
1,1-Dichloroethane (1,1-DCA)	ND U	340	85	55	11/09/18 18:43	
1,1-Dichloroethene (1,1-DCE)	ND U	340	87	55	11/09/18 18:43	
1,2,3-Trichlorobenzene	ND U	340	42	55	11/09/18 18:43	
1,2,4-Trichlorobenzene	ND U	340	40	55	11/09/18 18:43	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	340	130	55	11/09/18 18:43	
1,2-Dibromoethane	ND U	340	82	55	11/09/18 18:43	
1,2-Dichlorobenzene	ND U	340	42	55	11/09/18 18:43	
1,2-Dichloroethane	ND U	340	42	55	11/09/18 18:43	
1,2-Dichloropropane	ND U	340	66	55	11/09/18 18:43	
1,3-Dichlorobenzene	ND U	340	43	55	11/09/18 18:43	
1,4-Dichlorobenzene	ND U	340	38	55	11/09/18 18:43	
1,4-Dioxane	ND U	6800	1300	55	11/09/18 18:43	
2-Butanone (MEK)	ND U	340	160	55	11/09/18 18:43	
2-Hexanone	ND U	340	82	55	11/09/18 18:43	
4-Methyl-2-pentanone	ND U	340	67	55	11/09/18 18:43	
Acetone	**890 D**	340	190	55	11/09/18 18:43	
Benzene	ND U	340	20	55	11/09/18 18:43	
Bromochloromethane	ND U	340	92	55	11/09/18 18:43	
Bromodichloromethane	ND U	340	42	55	11/09/18 18:43	
Bromoform	ND U	340	63	55	11/09/18 18:43	
Bromomethane	ND U	340	94	55	11/09/18 18:43	
Carbon Disulfide	ND U	340	84	55	11/09/18 18:43	
Carbon Tetrachloride	ND U	340	63	55	11/09/18 18:43	
Chlorobenzene	ND U	340	20	55	11/09/18 18:43	
Chloroethane	ND U	340	200	55	11/09/18 18:43	
Chloroform	ND U	340	86	55	11/09/18 18:43	
Chloromethane	ND U	340	28	55	11/09/18 18:43	
Cyclohexane	ND U	340	94	55	11/09/18 18:43	
Dibromochloromethane	ND U	340	50	55	11/09/18 18:43	
Dichlorodifluoromethane (CFC 12)	ND U	340	130	55	11/09/18 18:43	
Dichloromethane	ND U	340	39	55	11/09/18 18:43	
Ethylbenzene	ND U	340	16	55	11/09/18 18:43	
Isopropylbenzene (Cumene)	ND U	340	46	55	11/09/18 18:43	
Methyl Acetate	**220 BDJ**	340	120	55	11/09/18 18:43	
Methyl tert-Butyl Ether	ND U	340	64	55	11/09/18 18:43	
Methylcyclohexane	ND U	340	82	55	11/09/18 18:43	
Styrene	ND U	340	21	55	11/09/18 18:43	
Tetrachloroethene (PCE)	ND U	340	60	55	11/09/18 18:43	
Toluene	ND U	340	68	55	11/09/18 18:43	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	340	69	55	11/09/18 18:43	
Trichlorofluoromethane (CFC 11)	ND U	340	45	55	11/09/18 18:43	
Vinyl Chloride	ND U	340	130	55	11/09/18 18:43	
cis-1,2-Dichloroethene	ND U	340	65	55	11/09/18 18:43	
cis-1,3-Dichloropropene	ND U	340	61	55	11/09/18 18:43	
m,p-Xylenes	ND U	680	74	55	11/09/18 18:43	
o-Xylene	ND U	340	33	55	11/09/18 18:43	
trans-1,2-Dichloroethene	ND U	340	59	55	11/09/18 18:43	
trans-1,3-Dichloropropene	ND U	340	14	55	11/09/18 18:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	11/09/18 18:43	
Dibromofluoromethane	82	63 - 138	11/09/18 18:43	
Toluene-d8	103	66 - 138	11/09/18 18:43	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.42	540	J

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	400	120	1	11/18/18 20:50	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	400	100	1	11/18/18 20:50	11/7/18	
2,4,5-Trichlorophenol	ND U	400	110	1	11/18/18 20:50	11/7/18	
2,4,6-Trichlorophenol	ND U	400	110	1	11/18/18 20:50	11/7/18	
2,4-Dichlorophenol	ND U	400	83	1	11/18/18 20:50	11/7/18	
2,4-Dimethylphenol	ND U	400	77	1	11/18/18 20:50	11/7/18	
2,4-Dinitrophenol	ND U	2100	76	1	11/18/18 20:50	11/7/18	
2,4-Dinitrotoluene	ND U	400	110	1	11/18/18 20:50	11/7/18	
2,6-Dinitrotoluene	ND U	400	150	1	11/18/18 20:50	11/7/18	
2-Chloronaphthalene	ND U	400	89	1	11/18/18 20:50	11/7/18	
2-Chlorophenol	ND U	400	98	1	11/18/18 20:50	11/7/18	
2-Methylnaphthalene	ND U	400	91	1	11/18/18 20:50	11/7/18	
2-Methylphenol	ND U	400	98	1	11/18/18 20:50	11/7/18	
2-Nitroaniline	ND U	2100	120	1	11/18/18 20:50	11/7/18	
2-Nitrophenol	ND U	400	92	1	11/18/18 20:50	11/7/18	
3,3'-Dichlorobenzidine	ND U	400	130	1	11/18/18 20:50	11/7/18	
3- and 4-Methylphenol Coelution	ND U	400	110	1	11/18/18 20:50	11/7/18	
3-Nitroaniline	ND U	2100	88	1	11/18/18 20:50	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2100	88	1	11/18/18 20:50	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	400	120	1	11/18/18 20:50	11/7/18	
4-Chloro-3-methylphenol	ND U	400	92	1	11/18/18 20:50	11/7/18	
4-Chloroaniline	ND U	400	49	1	11/18/18 20:50	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	400	96	1	11/18/18 20:50	11/7/18	
4-Nitroaniline	ND U	2100	89	1	11/18/18 20:50	11/7/18	
4-Nitrophenol	ND U	2100	240	1	11/18/18 20:50	11/7/18	
Acenaphthene	ND U	400	89	1	11/18/18 20:50	11/7/18	
Acenaphthylene	ND U	400	83	1	11/18/18 20:50	11/7/18	
Acetophenone	ND U	400	94	1	11/18/18 20:50	11/7/18	
Anthracene	ND U	400	78	1	11/18/18 20:50	11/7/18	
Atrazine	ND U	400	110	1	11/18/18 20:50	11/7/18	
Benz(a)anthracene	ND U	400	71	1	11/18/18 20:50	11/7/18	
Benzaldehyde	ND U	2100	96	1	11/18/18 20:50	11/7/18	
Benzo(a)pyrene	ND U	400	81	1	11/18/18 20:50	11/7/18	
Benzo(b)fluoranthene	ND U	400	74	1	11/18/18 20:50	11/7/18	
Benzo(g,h,i)perylene	ND U	400	92	1	11/18/18 20:50	11/7/18	
Benzo(k)fluoranthene	ND U	400	91	1	11/18/18 20:50	11/7/18	
Biphenyl	ND U	400	95	1	11/18/18 20:50	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	400	99	1	11/18/18 20:50	11/7/18	
Bis(2-chloroethoxy)methane	ND U	400	93	1	11/18/18 20:50	11/7/18	
Bis(2-chloroethyl) Ether	ND U	400	74	1	11/18/18 20:50	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	610	560	1	11/18/18 20:50	11/7/18	
Butyl Benzyl Phthalate	ND U	400	77	1	11/18/18 20:50	11/7/18	
Caprolactam	ND U	400	90	1	11/18/18 20:50	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	400	100	1	11/18/18 20:50	11/7/18	
Chrysene	ND U	400	80	1	11/18/18 20:50	11/7/18	
Di-n-butyl Phthalate	ND U	400	140	1	11/18/18 20:50	11/7/18	
Di-n-octyl Phthalate	ND U	400	130	1	11/18/18 20:50	11/7/18	
Dibenz(a,h)anthracene	ND U	400	73	1	11/18/18 20:50	11/7/18	
Dibenzofuran	ND U	400	83	1	11/18/18 20:50	11/7/18	
Diethyl Phthalate	ND U	400	230	1	11/18/18 20:50	11/7/18	
Dimethyl Phthalate	ND U	400	120	1	11/18/18 20:50	11/7/18	
Fluoranthene	ND U	400	95	1	11/18/18 20:50	11/7/18	
Fluorene	ND U	400	110	1	11/18/18 20:50	11/7/18	
Hexachlorobenzene	ND U	400	94	1	11/18/18 20:50	11/7/18	
Hexachlorobutadiene	ND U	400	69	1	11/18/18 20:50	11/7/18	
Hexachlorocyclopentadiene	ND U	400	67	1	11/18/18 20:50	11/7/18	
Hexachloroethane	ND U	400	71	1	11/18/18 20:50	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	400	89	1	11/18/18 20:50	11/7/18	
Isophorone	ND U	400	87	1	11/18/18 20:50	11/7/18	
N-Nitrosodi-n-propylamine	ND U	400	74	1	11/18/18 20:50	11/7/18	
N-Nitrosodiphenylamine	ND U	400	180	1	11/18/18 20:50	11/7/18	
Naphthalene	ND U	400	83	1	11/18/18 20:50	11/7/18	
Nitrobenzene	ND U	400	83	1	11/18/18 20:50	11/7/18	
Pentachlorophenol (PCP)	ND U	2100	140	1	11/18/18 20:50	11/7/18	
Phenanthrene	ND U	400	84	1	11/18/18 20:50	11/7/18	
Phenol	ND U	400	89	1	11/18/18 20:50	11/7/18	
Pyrene	ND U	400	79	1	11/18/18 20:50	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	44	10 - 109	11/18/18 20:50	
2-Fluorobiphenyl	47	10 - 102	11/18/18 20:50	
2-Fluorophenol	48	10 - 88	11/18/18 20:50	
Nitrobenzene-d5	45	10 - 95	11/18/18 20:50	
Phenol-d6	47	10 - 145	11/18/18 20:50	
Terphenyl-d14	65	10 - 106	11/18/18 20:50	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	2.49	170	J
	unknown	3.31	3200	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	390	120	1	11/18/18 21:17	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	390	97	1	11/18/18 21:17	11/7/18	
2,4,5-Trichlorophenol	ND U	390	98	1	11/18/18 21:17	11/7/18	
2,4,6-Trichlorophenol	ND U	390	110	1	11/18/18 21:17	11/7/18	
2,4-Dichlorophenol	ND U	390	81	1	11/18/18 21:17	11/7/18	
2,4-Dimethylphenol	ND U	390	75	1	11/18/18 21:17	11/7/18	
2,4-Dinitrophenol	ND U	2000	74	1	11/18/18 21:17	11/7/18	
2,4-Dinitrotoluene	ND U	390	110	1	11/18/18 21:17	11/7/18	
2,6-Dinitrotoluene	ND U	390	140	1	11/18/18 21:17	11/7/18	
2-Chloronaphthalene	ND U	390	87	1	11/18/18 21:17	11/7/18	
2-Chlorophenol	ND U	390	96	1	11/18/18 21:17	11/7/18	
2-Methylnaphthalene	ND U	390	88	1	11/18/18 21:17	11/7/18	
2-Methylphenol	ND U	390	96	1	11/18/18 21:17	11/7/18	
2-Nitroaniline	ND U	2000	120	1	11/18/18 21:17	11/7/18	
2-Nitrophenol	ND U	390	90	1	11/18/18 21:17	11/7/18	
3,3'-Dichlorobenzidine	ND U	390	130	1	11/18/18 21:17	11/7/18	
3- and 4-Methylphenol Coelution	ND U	390	99	1	11/18/18 21:17	11/7/18	
3-Nitroaniline	ND U	2000	85	1	11/18/18 21:17	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2000	85	1	11/18/18 21:17	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	390	120	1	11/18/18 21:17	11/7/18	
4-Chloro-3-methylphenol	ND U	390	90	1	11/18/18 21:17	11/7/18	
4-Chloroaniline	ND U	390	47	1	11/18/18 21:17	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	390	94	1	11/18/18 21:17	11/7/18	
4-Nitroaniline	ND U	2000	87	1	11/18/18 21:17	11/7/18	
4-Nitrophenol	ND U	2000	230	1	11/18/18 21:17	11/7/18	
Acenaphthene	ND U	390	87	1	11/18/18 21:17	11/7/18	
Acenaphthylene	ND U	390	80	1	11/18/18 21:17	11/7/18	
Acetophenone	ND U	390	92	1	11/18/18 21:17	11/7/18	
Anthracene	ND U	390	76	1	11/18/18 21:17	11/7/18	
Atrazine	ND U	390	110	1	11/18/18 21:17	11/7/18	
Benz(a)anthracene	ND U	390	69	1	11/18/18 21:17	11/7/18	
Benzaldehyde	ND U	2000	94	1	11/18/18 21:17	11/7/18	
Benzo(a)pyrene	ND U	390	79	1	11/18/18 21:17	11/7/18	
Benzo(b)fluoranthene	ND U	390	72	1	11/18/18 21:17	11/7/18	
Benzo(g,h,i)perylene	ND U	390	90	1	11/18/18 21:17	11/7/18	
Benzo(k)fluoranthene	ND U	390	88	1	11/18/18 21:17	11/7/18	
Biphenyl	ND U	390	92	1	11/18/18 21:17	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	390	97	1	11/18/18 21:17	11/7/18	
Bis(2-chloroethoxy)methane	ND U	390	90	1	11/18/18 21:17	11/7/18	
Bis(2-chloroethyl) Ether	ND U	390	72	1	11/18/18 21:17	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	600	550	1	11/18/18 21:17	11/7/18	
Butyl Benzyl Phthalate	ND U	390	75	1	11/18/18 21:17	11/7/18	
Caprolactam	ND U	390	88	1	11/18/18 21:17	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	390	98	1	11/18/18 21:17	11/7/18	
Chrysene	ND U	390	78	1	11/18/18 21:17	11/7/18	
Di-n-butyl Phthalate	ND U	390	140	1	11/18/18 21:17	11/7/18	
Di-n-octyl Phthalate	ND U	390	120	1	11/18/18 21:17	11/7/18	
Dibenz(a,h)anthracene	ND U	390	71	1	11/18/18 21:17	11/7/18	
Dibenzofuran	ND U	390	81	1	11/18/18 21:17	11/7/18	
Diethyl Phthalate	ND U	390	220	1	11/18/18 21:17	11/7/18	
Dimethyl Phthalate	ND U	390	110	1	11/18/18 21:17	11/7/18	
Fluoranthene	ND U	390	93	1	11/18/18 21:17	11/7/18	
Fluorene	ND U	390	99	1	11/18/18 21:17	11/7/18	
Hexachlorobenzene	ND U	390	92	1	11/18/18 21:17	11/7/18	
Hexachlorobutadiene	ND U	390	67	1	11/18/18 21:17	11/7/18	
Hexachlorocyclopentadiene	ND U	390	65	1	11/18/18 21:17	11/7/18	
Hexachloroethane	ND U	390	69	1	11/18/18 21:17	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	390	87	1	11/18/18 21:17	11/7/18	
Isophorone	ND U	390	85	1	11/18/18 21:17	11/7/18	
N-Nitrosodi-n-propylamine	ND U	390	72	1	11/18/18 21:17	11/7/18	
N-Nitrosodiphenylamine	ND U	390	180	1	11/18/18 21:17	11/7/18	
Naphthalene	ND U	390	81	1	11/18/18 21:17	11/7/18	
Nitrobenzene	ND U	390	81	1	11/18/18 21:17	11/7/18	
Pentachlorophenol (PCP)	ND U	2000	140	1	11/18/18 21:17	11/7/18	
Phenanthrene	ND U	390	82	1	11/18/18 21:17	11/7/18	
Phenol	ND U	390	86	1	11/18/18 21:17	11/7/18	
Pyrene	ND U	390	77	1	11/18/18 21:17	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	32	10 - 109	11/18/18 21:17	
2-Fluorobiphenyl	32	10 - 102	11/18/18 21:17	
2-Fluorophenol	31	10 - 88	11/18/18 21:17	
Nitrobenzene-d5	30	10 - 95	11/18/18 21:17	
Phenol-d6	32	10 - 145	11/18/18 21:17	
Terphenyl-d14	56	10 - 106	11/18/18 21:17	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	1800	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	390	120	1	11/18/18 21:45	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	390	96	1	11/18/18 21:45	11/7/18	
2,4,5-Trichlorophenol	ND U	390	97	1	11/18/18 21:45	11/7/18	
2,4,6-Trichlorophenol	ND U	390	100	1	11/18/18 21:45	11/7/18	
2,4-Dichlorophenol	ND U	390	80	1	11/18/18 21:45	11/7/18	
2,4-Dimethylphenol	ND U	390	74	1	11/18/18 21:45	11/7/18	
2,4-Dinitrophenol	ND U	2000	73	1	11/18/18 21:45	11/7/18	
2,4-Dinitrotoluene	ND U	390	110	1	11/18/18 21:45	11/7/18	
2,6-Dinitrotoluene	ND U	390	140	1	11/18/18 21:45	11/7/18	
2-Chloronaphthalene	ND U	390	86	1	11/18/18 21:45	11/7/18	
2-Chlorophenol	ND U	390	94	1	11/18/18 21:45	11/7/18	
2-Methylnaphthalene	ND U	390	87	1	11/18/18 21:45	11/7/18	
2-Methylphenol	ND U	390	94	1	11/18/18 21:45	11/7/18	
2-Nitroaniline	ND U	2000	120	1	11/18/18 21:45	11/7/18	
2-Nitrophenol	ND U	390	88	1	11/18/18 21:45	11/7/18	
3,3'-Dichlorobenzidine	ND U	390	120	1	11/18/18 21:45	11/7/18	
3- and 4-Methylphenol Coelution	ND U	390	98	1	11/18/18 21:45	11/7/18	
3-Nitroaniline	ND U	2000	84	1	11/18/18 21:45	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2000	84	1	11/18/18 21:45	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	390	110	1	11/18/18 21:45	11/7/18	
4-Chloro-3-methylphenol	ND U	390	88	1	11/18/18 21:45	11/7/18	
4-Chloroaniline	ND U	390	47	1	11/18/18 21:45	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	390	92	1	11/18/18 21:45	11/7/18	
4-Nitroaniline	ND U	2000	85	1	11/18/18 21:45	11/7/18	
4-Nitrophenol	ND U	2000	230	1	11/18/18 21:45	11/7/18	
Acenaphthene	ND U	390	86	1	11/18/18 21:45	11/7/18	
Acenaphthylene	ND U	390	79	1	11/18/18 21:45	11/7/18	
Acetophenone	ND U	390	90	1	11/18/18 21:45	11/7/18	
Anthracene	ND U	390	75	1	11/18/18 21:45	11/7/18	
Atrazine	ND U	390	110	1	11/18/18 21:45	11/7/18	
Benz(a)anthracene	ND U	390	68	1	11/18/18 21:45	11/7/18	
Benzaldehyde	ND U	2000	92	1	11/18/18 21:45	11/7/18	
Benzo(a)pyrene	ND U	390	78	1	11/18/18 21:45	11/7/18	
Benzo(b)fluoranthene	ND U	390	71	1	11/18/18 21:45	11/7/18	
Benzo(g,h,i)perylene	ND U	390	88	1	11/18/18 21:45	11/7/18	
Benzo(k)fluoranthene	ND U	390	87	1	11/18/18 21:45	11/7/18	
Biphenyl	ND U	390	91	1	11/18/18 21:45	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	390	95	1	11/18/18 21:45	11/7/18	
Bis(2-chloroethoxy)methane	ND U	390	89	1	11/18/18 21:45	11/7/18	
Bis(2-chloroethyl) Ether	ND U	390	71	1	11/18/18 21:45	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	590	540	1	11/18/18 21:45	11/7/18	
Butyl Benzyl Phthalate	ND U	390	74	1	11/18/18 21:45	11/7/18	
Caprolactam	ND U	390	86	1	11/18/18 21:45	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	390	96	1	11/18/18 21:45	11/7/18	
Chrysene	ND U	390	76	1	11/18/18 21:45	11/7/18	
Di-n-butyl Phthalate	ND U	390	130	1	11/18/18 21:45	11/7/18	
Di-n-octyl Phthalate	ND U	390	120	1	11/18/18 21:45	11/7/18	
Dibenz(a,h)anthracene	ND U	390	70	1	11/18/18 21:45	11/7/18	
Dibenzofuran	ND U	390	79	1	11/18/18 21:45	11/7/18	
Diethyl Phthalate	ND U	390	220	1	11/18/18 21:45	11/7/18	
Dimethyl Phthalate	ND U	390	110	1	11/18/18 21:45	11/7/18	
Fluoranthene	ND U	390	91	1	11/18/18 21:45	11/7/18	
Fluorene	ND U	390	97	1	11/18/18 21:45	11/7/18	
Hexachlorobenzene	ND U	390	90	1	11/18/18 21:45	11/7/18	
Hexachlorobutadiene	ND U	390	66	1	11/18/18 21:45	11/7/18	
Hexachlorocyclopentadiene	ND U	390	64	1	11/18/18 21:45	11/7/18	
Hexachloroethane	ND U	390	68	1	11/18/18 21:45	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	390	86	1	11/18/18 21:45	11/7/18	
Isophorone	ND U	390	84	1	11/18/18 21:45	11/7/18	
N-Nitrosodi-n-propylamine	ND U	390	70	1	11/18/18 21:45	11/7/18	
N-Nitrosodiphenylamine	ND U	390	180	1	11/18/18 21:45	11/7/18	
Naphthalene	ND U	390	80	1	11/18/18 21:45	11/7/18	
Nitrobenzene	ND U	390	80	1	11/18/18 21:45	11/7/18	
Pentachlorophenol (PCP)	ND U	2000	130	1	11/18/18 21:45	11/7/18	
Phenanthrene	ND U	390	81	1	11/18/18 21:45	11/7/18	
Phenol	ND U	390	85	1	11/18/18 21:45	11/7/18	
Pyrene	ND U	390	76	1	11/18/18 21:45	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	51	10 - 109	11/18/18 21:45	
2-Fluorobiphenyl	40	10 - 102	11/18/18 21:45	
2-Fluorophenol	44	10 - 88	11/18/18 21:45	
Nitrobenzene-d5	41	10 - 95	11/18/18 21:45	
Phenol-d6	44	10 - 145	11/18/18 21:45	
Terphenyl-d14	74	10 - 106	11/18/18 21:45	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.31	1800	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	3400	1000	10	11/18/18 22:13	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	3400	850	10	11/18/18 22:13	11/7/18	
2,4,5-Trichlorophenol	ND U	3400	860	10	11/18/18 22:13	11/7/18	
2,4,6-Trichlorophenol	ND U	3400	890	10	11/18/18 22:13	11/7/18	
2,4-Dichlorophenol	ND U	3400	710	10	11/18/18 22:13	11/7/18	
2,4-Dimethylphenol	ND U	3400	660	10	11/18/18 22:13	11/7/18	
2,4-Dinitrophenol	ND U	18000	640	10	11/18/18 22:13	11/7/18	
2,4-Dinitrotoluene	ND U	3400	900	10	11/18/18 22:13	11/7/18	
2,6-Dinitrotoluene	ND U	3400	1300	10	11/18/18 22:13	11/7/18	
2-Chloronaphthalene	ND U	3400	760	10	11/18/18 22:13	11/7/18	
2-Chlorophenol	ND U	3400	830	10	11/18/18 22:13	11/7/18	
2-Methylnaphthalene	ND U	3400	770	10	11/18/18 22:13	11/7/18	
2-Methylphenol	ND U	3400	830	10	11/18/18 22:13	11/7/18	
2-Nitroaniline	ND U	18000	990	10	11/18/18 22:13	11/7/18	
2-Nitrophenol	ND U	3400	780	10	11/18/18 22:13	11/7/18	
3,3'-Dichlorobenzidine	ND U	3400	1100	10	11/18/18 22:13	11/7/18	
3- and 4-Methylphenol Coelution	ND U	3400	870	10	11/18/18 22:13	11/7/18	
3-Nitroaniline	ND U	18000	740	10	11/18/18 22:13	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	18000	740	10	11/18/18 22:13	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	3400	970	10	11/18/18 22:13	11/7/18	
4-Chloro-3-methylphenol	ND U	3400	780	10	11/18/18 22:13	11/7/18	
4-Chloroaniline	ND U	3400	410	10	11/18/18 22:13	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	3400	820	10	11/18/18 22:13	11/7/18	
4-Nitroaniline	ND U	18000	760	10	11/18/18 22:13	11/7/18	
4-Nitrophenol	ND U	18000	2000	10	11/18/18 22:13	11/7/18	
Acenaphthene	ND U	3400	760	10	11/18/18 22:13	11/7/18	
Acenaphthylene	ND U	3400	700	10	11/18/18 22:13	11/7/18	
Acetophenone	ND U	3400	800	10	11/18/18 22:13	11/7/18	
Anthracene	ND U	3400	660	10	11/18/18 22:13	11/7/18	
Atrazine	ND U	3400	930	10	11/18/18 22:13	11/7/18	
Benz(a)anthracene	ND U	3400	600	10	11/18/18 22:13	11/7/18	
Benzaldehyde	ND U	18000	820	10	11/18/18 22:13	11/7/18	
Benzo(a)pyrene	ND U	3400	690	10	11/18/18 22:13	11/7/18	
Benzo(b)fluoranthene	ND U	3400	630	10	11/18/18 22:13	11/7/18	
Benzo(g,h,i)perylene	ND U	3400	780	10	11/18/18 22:13	11/7/18	
Benzo(k)fluoranthene	ND U	3400	770	10	11/18/18 22:13	11/7/18	
Biphenyl	ND U	3400	800	10	11/18/18 22:13	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	3400	840	10	11/18/18 22:13	11/7/18	
Bis(2-chloroethoxy)methane	ND U	3400	790	10	11/18/18 22:13	11/7/18	
Bis(2-chloroethyl) Ether	ND U	3400	630	10	11/18/18 22:13	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	5200	4800	10	11/18/18 22:13	11/7/18	
Butyl Benzyl Phthalate	ND U	3400	660	10	11/18/18 22:13	11/7/18	
Caprolactam	ND U	3400	760	10	11/18/18 22:13	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	3400	850	10	11/18/18 22:13	11/7/18	
Chrysene	ND U	3400	680	10	11/18/18 22:13	11/7/18	
Di-n-butyl Phthalate	ND U	3400	1200	10	11/18/18 22:13	11/7/18	
Di-n-octyl Phthalate	ND U	3400	1100	10	11/18/18 22:13	11/7/18	
Dibenz(a,h)anthracene	ND U	3400	620	10	11/18/18 22:13	11/7/18	
Dibenzofuran	ND U	3400	700	10	11/18/18 22:13	11/7/18	
Diethyl Phthalate	ND U	3400	1900	10	11/18/18 22:13	11/7/18	
Dimethyl Phthalate	ND U	3400	940	10	11/18/18 22:13	11/7/18	
Fluoranthene	ND U	3400	810	10	11/18/18 22:13	11/7/18	
Fluorene	ND U	3400	860	10	11/18/18 22:13	11/7/18	
Hexachlorobenzene	ND U	3400	800	10	11/18/18 22:13	11/7/18	
Hexachlorobutadiene	ND U	3400	580	10	11/18/18 22:13	11/7/18	
Hexachlorocyclopentadiene	ND U	3400	570	10	11/18/18 22:13	11/7/18	
Hexachloroethane	ND U	3400	600	10	11/18/18 22:13	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	3400	760	10	11/18/18 22:13	11/7/18	
Isophorone	ND U	3400	740	10	11/18/18 22:13	11/7/18	
N-Nitrosodi-n-propylamine	ND U	3400	630	10	11/18/18 22:13	11/7/18	
N-Nitrosodiphenylamine	ND U	3400	1600	10	11/18/18 22:13	11/7/18	
Naphthalene	ND U	3400	710	10	11/18/18 22:13	11/7/18	
Nitrobenzene	ND U	3400	710	10	11/18/18 22:13	11/7/18	
Pentachlorophenol (PCP)	ND U	18000	1200	10	11/18/18 22:13	11/7/18	
Phenanthrene	ND U	3400	720	10	11/18/18 22:13	11/7/18	
Phenol	ND U	3400	750	10	11/18/18 22:13	11/7/18	
Pyrene	ND U	3400	670	10	11/18/18 22:13	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	38	10 - 109	11/18/18 22:13	
2-Fluorobiphenyl	53	10 - 102	11/18/18 22:13	
2-Fluorophenol	48	10 - 88	11/18/18 22:13	
Nitrobenzene-d5	47	10 - 95	11/18/18 22:13	
Phenol-d6	45	10 - 145	11/18/18 22:13	
Terphenyl-d14	66	10 - 106	11/18/18 22:13	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	4500	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	370	110	1	11/18/18 22:40	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	370	90	1	11/18/18 22:40	11/7/18	
2,4,5-Trichlorophenol	ND U	370	91	1	11/18/18 22:40	11/7/18	
2,4,6-Trichlorophenol	ND U	370	95	1	11/18/18 22:40	11/7/18	
2,4-Dichlorophenol	ND U	370	75	1	11/18/18 22:40	11/7/18	
2,4-Dimethylphenol	ND U	370	70	1	11/18/18 22:40	11/7/18	
2,4-Dinitrophenol	ND U	1900	69	1	11/18/18 22:40	11/7/18	
2,4-Dinitrotoluene	ND U	370	95	1	11/18/18 22:40	11/7/18	
2,6-Dinitrotoluene	ND U	370	130	1	11/18/18 22:40	11/7/18	
2-Chloronaphthalene	ND U	370	81	1	11/18/18 22:40	11/7/18	
2-Chlorophenol	ND U	370	89	1	11/18/18 22:40	11/7/18	
2-Methylnaphthalene	ND U	370	82	1	11/18/18 22:40	11/7/18	
2-Methylphenol	ND U	370	89	1	11/18/18 22:40	11/7/18	
2-Nitroaniline	ND U	1900	110	1	11/18/18 22:40	11/7/18	
2-Nitrophenol	ND U	370	83	1	11/18/18 22:40	11/7/18	
3,3'-Dichlorobenzidine	ND U	370	120	1	11/18/18 22:40	11/7/18	
3- and 4-Methylphenol Coelution	ND U	370	92	1	11/18/18 22:40	11/7/18	
3-Nitroaniline	ND U	1900	79	1	11/18/18 22:40	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	1900	79	1	11/18/18 22:40	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	370	110	1	11/18/18 22:40	11/7/18	
4-Chloro-3-methylphenol	ND U	370	84	1	11/18/18 22:40	11/7/18	
4-Chloroaniline	ND U	370	44	1	11/18/18 22:40	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	370	87	1	11/18/18 22:40	11/7/18	
4-Nitroaniline	ND U	1900	81	1	11/18/18 22:40	11/7/18	
4-Nitrophenol	ND U	1900	220	1	11/18/18 22:40	11/7/18	
Acenaphthene	ND U	370	81	1	11/18/18 22:40	11/7/18	
Acenaphthylene	ND U	370	75	1	11/18/18 22:40	11/7/18	
Acetophenone	ND U	370	86	1	11/18/18 22:40	11/7/18	
Anthracene	ND U	370	71	1	11/18/18 22:40	11/7/18	
Atrazine	ND U	370	99	1	11/18/18 22:40	11/7/18	
Benz(a)anthracene	ND U	370	64	1	11/18/18 22:40	11/7/18	
Benzaldehyde	ND U	1900	87	1	11/18/18 22:40	11/7/18	
Benzo(a)pyrene	ND U	370	74	1	11/18/18 22:40	11/7/18	
Benzo(b)fluoranthene	ND U	370	67	1	11/18/18 22:40	11/7/18	
Benzo(g,h,i)perylene	ND U	370	83	1	11/18/18 22:40	11/7/18	
Benzo(k)fluoranthene	ND U	370	82	1	11/18/18 22:40	11/7/18	
Biphenyl	ND U	370	86	1	11/18/18 22:40	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	370	90	1	11/18/18 22:40	11/7/18	
Bis(2-chloroethoxy)methane	ND U	370	84	1	11/18/18 22:40	11/7/18	
Bis(2-chloroethyl) Ether	ND U	370	67	1	11/18/18 22:40	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	550	510	1	11/18/18 22:40	11/7/18	
Butyl Benzyl Phthalate	ND U	370	70	1	11/18/18 22:40	11/7/18	
Caprolactam	ND U	370	81	1	11/18/18 22:40	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	370	91	1	11/18/18 22:40	11/7/18	
Chrysene	ND U	370	72	1	11/18/18 22:40	11/7/18	
Di-n-butyl Phthalate	ND U	370	130	1	11/18/18 22:40	11/7/18	
Di-n-octyl Phthalate	ND U	370	110	1	11/18/18 22:40	11/7/18	
Dibenz(a,h)anthracene	ND U	370	66	1	11/18/18 22:40	11/7/18	
Dibenzofuran	ND U	370	75	1	11/18/18 22:40	11/7/18	
Diethyl Phthalate	ND U	370	200	1	11/18/18 22:40	11/7/18	
Dimethyl Phthalate	ND U	370	110	1	11/18/18 22:40	11/7/18	
Fluoranthene	ND U	370	86	1	11/18/18 22:40	11/7/18	
Fluorene	ND U	370	92	1	11/18/18 22:40	11/7/18	
Hexachlorobenzene	ND U	370	85	1	11/18/18 22:40	11/7/18	
Hexachlorobutadiene	ND U	370	62	1	11/18/18 22:40	11/7/18	
Hexachlorocyclopentadiene	ND U	370	61	1	11/18/18 22:40	11/7/18	
Hexachloroethane	ND U	370	64	1	11/18/18 22:40	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	370	81	1	11/18/18 22:40	11/7/18	
Isophorone	ND U	370	79	1	11/18/18 22:40	11/7/18	
N-Nitrosodi-n-propylamine	ND U	370	67	1	11/18/18 22:40	11/7/18	
N-Nitrosodiphenylamine	ND U	370	170	1	11/18/18 22:40	11/7/18	
Naphthalene	ND U	370	75	1	11/18/18 22:40	11/7/18	
Nitrobenzene	ND U	370	75	1	11/18/18 22:40	11/7/18	
Pentachlorophenol (PCP)	ND U	1900	130	1	11/18/18 22:40	11/7/18	
Phenanthrene	ND U	370	76	1	11/18/18 22:40	11/7/18	
Phenol	ND U	370	80	1	11/18/18 22:40	11/7/18	
Pyrene	ND U	370	71	1	11/18/18 22:40	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	16	10 - 109	11/18/18 22:40	
2-Fluorobiphenyl	17	10 - 102	11/18/18 22:40	
2-Fluorophenol	16	10 - 88	11/18/18 22:40	
Nitrobenzene-d5	15	10 - 95	11/18/18 22:40	
Phenol-d6	16	10 - 145	11/18/18 22:40	
Terphenyl-d14	25	10 - 106	11/18/18 22:40	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	1800	J
	unknown hydrocarbon	6.91	250	J
	unknown hydrocarbon	7.22	210	J
	unknown hydrocarbon	7.43	300	J
	unknown hydrocarbon	7.93	230	J
	unknown hydrocarbon	8.39	370	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	360	110	1	11/18/18 23:08	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	360	89	1	11/18/18 23:08	11/7/18	
2,4,5-Trichlorophenol	ND U	360	89	1	11/18/18 23:08	11/7/18	
2,4,6-Trichlorophenol	ND U	360	93	1	11/18/18 23:08	11/7/18	
2,4-Dichlorophenol	ND U	360	74	1	11/18/18 23:08	11/7/18	
2,4-Dimethylphenol	ND U	360	69	1	11/18/18 23:08	11/7/18	
2,4-Dinitrophenol	ND U	1800	67	1	11/18/18 23:08	11/7/18	
2,4-Dinitrotoluene	ND U	360	94	1	11/18/18 23:08	11/7/18	
2,6-Dinitrotoluene	ND U	360	130	1	11/18/18 23:08	11/7/18	
2-Chloronaphthalene	ND U	360	79	1	11/18/18 23:08	11/7/18	
2-Chlorophenol	ND U	360	87	1	11/18/18 23:08	11/7/18	
2-Methylnaphthalene	ND U	360	81	1	11/18/18 23:08	11/7/18	
2-Methylphenol	ND U	360	87	1	11/18/18 23:08	11/7/18	
2-Nitroaniline	ND U	1800	110	1	11/18/18 23:08	11/7/18	
2-Nitrophenol	ND U	360	82	1	11/18/18 23:08	11/7/18	
3,3'-Dichlorobenzidine	ND U	360	110	1	11/18/18 23:08	11/7/18	
3- and 4-Methylphenol Coelution	ND U	360	90	1	11/18/18 23:08	11/7/18	
3-Nitroaniline	ND U	1800	78	1	11/18/18 23:08	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	1800	78	1	11/18/18 23:08	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	360	110	1	11/18/18 23:08	11/7/18	
4-Chloro-3-methylphenol	ND U	360	82	1	11/18/18 23:08	11/7/18	
4-Chloroaniline	ND U	360	43	1	11/18/18 23:08	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	360	86	1	11/18/18 23:08	11/7/18	
4-Nitroaniline	ND U	1800	79	1	11/18/18 23:08	11/7/18	
4-Nitrophenol	ND U	1800	210	1	11/18/18 23:08	11/7/18	
Acenaphthene	ND U	360	79	1	11/18/18 23:08	11/7/18	
Acenaphthylene	ND U	360	73	1	11/18/18 23:08	11/7/18	
Acetophenone	ND U	360	84	1	11/18/18 23:08	11/7/18	
Anthracene	ND U	360	69	1	11/18/18 23:08	11/7/18	
Atrazine	ND U	360	97	1	11/18/18 23:08	11/7/18	
Benz(a)anthracene	ND U	360	63	1	11/18/18 23:08	11/7/18	
Benzaldehyde	ND U	1800	85	1	11/18/18 23:08	11/7/18	
Benzo(a)pyrene	ND U	360	72	1	11/18/18 23:08	11/7/18	
Benzo(b)fluoranthene	ND U	360	66	1	11/18/18 23:08	11/7/18	
Benzo(g,h,i)perylene	ND U	360	82	1	11/18/18 23:08	11/7/18	
Benzo(k)fluoranthene	ND U	360	81	1	11/18/18 23:08	11/7/18	
Biphenyl	ND U	360	84	1	11/18/18 23:08	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	360	88	1	11/18/18 23:08	11/7/18	
Bis(2-chloroethoxy)methane	ND U	360	82	1	11/18/18 23:08	11/7/18	
Bis(2-chloroethyl) Ether	ND U	360	65	1	11/18/18 23:08	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	540	500	1	11/18/18 23:08	11/7/18	
Butyl Benzyl Phthalate	ND U	360	69	1	11/18/18 23:08	11/7/18	
Caprolactam	ND U	360	80	1	11/18/18 23:08	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	360	89	1	11/18/18 23:08	11/7/18	
Chrysene	ND U	360	71	1	11/18/18 23:08	11/7/18	
Di-n-butyl Phthalate	ND U	360	120	1	11/18/18 23:08	11/7/18	
Di-n-octyl Phthalate	ND U	360	110	1	11/18/18 23:08	11/7/18	
Dibenz(a,h)anthracene	ND U	360	65	1	11/18/18 23:08	11/7/18	
Dibenzofuran	ND U	360	73	1	11/18/18 23:08	11/7/18	
Diethyl Phthalate	ND U	360	200	1	11/18/18 23:08	11/7/18	
Dimethyl Phthalate	ND U	360	99	1	11/18/18 23:08	11/7/18	
Fluoranthene	ND U	360	84	1	11/18/18 23:08	11/7/18	
Fluorene	ND U	360	90	1	11/18/18 23:08	11/7/18	
Hexachlorobenzene	ND U	360	84	1	11/18/18 23:08	11/7/18	
Hexachlorobutadiene	ND U	360	61	1	11/18/18 23:08	11/7/18	
Hexachlorocyclopentadiene	ND U	360	60	1	11/18/18 23:08	11/7/18	
Hexachloroethane	ND U	360	63	1	11/18/18 23:08	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	360	79	1	11/18/18 23:08	11/7/18	
Isophorone	ND U	360	78	1	11/18/18 23:08	11/7/18	
N-Nitrosodi-n-propylamine	ND U	360	65	1	11/18/18 23:08	11/7/18	
N-Nitrosodiphenylamine	ND U	360	160	1	11/18/18 23:08	11/7/18	
Naphthalene	ND U	360	74	1	11/18/18 23:08	11/7/18	
Nitrobenzene	ND U	360	74	1	11/18/18 23:08	11/7/18	
Pentachlorophenol (PCP)	ND U	1800	120	1	11/18/18 23:08	11/7/18	
Phenanthrene	ND U	360	75	1	11/18/18 23:08	11/7/18	
Phenol	ND U	360	79	1	11/18/18 23:08	11/7/18	
Pyrene	ND U	360	70	1	11/18/18 23:08	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	38	10 - 109	11/18/18 23:08	
2-Fluorobiphenyl	38	10 - 102	11/18/18 23:08	
2-Fluorophenol	39	10 - 88	11/18/18 23:08	
Nitrobenzene-d5	36	10 - 95	11/18/18 23:08	
Phenol-d6	41	10 - 145	11/18/18 23:08	
Terphenyl-d14	65	10 - 106	11/18/18 23:08	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	2200	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	390	120	1	11/18/18 23:36	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	390	96	1	11/18/18 23:36	11/7/18	
2,4,5-Trichlorophenol	ND U	390	97	1	11/18/18 23:36	11/7/18	
2,4,6-Trichlorophenol	ND U	390	110	1	11/18/18 23:36	11/7/18	
2,4-Dichlorophenol	ND U	390	80	1	11/18/18 23:36	11/7/18	
2,4-Dimethylphenol	ND U	390	75	1	11/18/18 23:36	11/7/18	
2,4-Dinitrophenol	ND U	2000	73	1	11/18/18 23:36	11/7/18	
2,4-Dinitrotoluene	ND U	390	110	1	11/18/18 23:36	11/7/18	
2,6-Dinitrotoluene	ND U	390	140	1	11/18/18 23:36	11/7/18	
2-Chloronaphthalene	ND U	390	86	1	11/18/18 23:36	11/7/18	
2-Chlorophenol	ND U	390	95	1	11/18/18 23:36	11/7/18	
2-Methylnaphthalene	ND U	390	88	1	11/18/18 23:36	11/7/18	
2-Methylphenol	ND U	390	95	1	11/18/18 23:36	11/7/18	
2-Nitroaniline	ND U	2000	120	1	11/18/18 23:36	11/7/18	
2-Nitrophenol	ND U	390	89	1	11/18/18 23:36	11/7/18	
3,3'-Dichlorobenzidine	ND U	390	120	1	11/18/18 23:36	11/7/18	
3- and 4-Methylphenol Coelution	ND U	390	98	1	11/18/18 23:36	11/7/18	
3-Nitroaniline	ND U	2000	85	1	11/18/18 23:36	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2000	85	1	11/18/18 23:36	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	390	120	1	11/18/18 23:36	11/7/18	
4-Chloro-3-methylphenol	ND U	390	89	1	11/18/18 23:36	11/7/18	
4-Chloroaniline	ND U	390	47	1	11/18/18 23:36	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	390	93	1	11/18/18 23:36	11/7/18	
4-Nitroaniline	ND U	2000	86	1	11/18/18 23:36	11/7/18	
4-Nitrophenol	ND U	2000	230	1	11/18/18 23:36	11/7/18	
Acenaphthene	ND U	390	86	1	11/18/18 23:36	11/7/18	
Acenaphthylene	ND U	390	80	1	11/18/18 23:36	11/7/18	
Acetophenone	ND U	390	91	1	11/18/18 23:36	11/7/18	
Anthracene	ND U	390	76	1	11/18/18 23:36	11/7/18	
Atrazine	ND U	390	110	1	11/18/18 23:36	11/7/18	
Benz(a)anthracene	ND U	390	68	1	11/18/18 23:36	11/7/18	
Benzaldehyde	ND U	2000	93	1	11/18/18 23:36	11/7/18	
Benzo(a)pyrene	ND U	390	79	1	11/18/18 23:36	11/7/18	
Benzo(b)fluoranthene	ND U	390	71	1	11/18/18 23:36	11/7/18	
Benzo(g,h,i)perylene	ND U	390	89	1	11/18/18 23:36	11/7/18	
Benzo(k)fluoranthene	ND U	390	88	1	11/18/18 23:36	11/7/18	
Biphenyl	ND U	390	91	1	11/18/18 23:36	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	390	96	1	11/18/18 23:36	11/7/18	
Bis(2-chloroethoxy)methane	ND U	390	89	1	11/18/18 23:36	11/7/18	
Bis(2-chloroethyl) Ether	ND U	390	71	1	11/18/18 23:36	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	590	550	1	11/18/18 23:36	11/7/18	
Butyl Benzyl Phthalate	ND U	390	75	1	11/18/18 23:36	11/7/18	
Caprolactam	ND U	390	87	1	11/18/18 23:36	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	390	97	1	11/18/18 23:36	11/7/18	
Chrysene	ND U	390	77	1	11/18/18 23:36	11/7/18	
Di-n-butyl Phthalate	ND U	390	140	1	11/18/18 23:36	11/7/18	
Di-n-octyl Phthalate	ND U	390	120	1	11/18/18 23:36	11/7/18	
Dibenz(a,h)anthracene	ND U	390	71	1	11/18/18 23:36	11/7/18	
Dibenzofuran	ND U	390	80	1	11/18/18 23:36	11/7/18	
Diethyl Phthalate	ND U	390	220	1	11/18/18 23:36	11/7/18	
Dimethyl Phthalate	ND U	390	110	1	11/18/18 23:36	11/7/18	
Fluoranthene	ND U	390	92	1	11/18/18 23:36	11/7/18	
Fluorene	ND U	390	98	1	11/18/18 23:36	11/7/18	
Hexachlorobenzene	ND U	390	91	1	11/18/18 23:36	11/7/18	
Hexachlorobutadiene	ND U	390	66	1	11/18/18 23:36	11/7/18	
Hexachlorocyclopentadiene	ND U	390	65	1	11/18/18 23:36	11/7/18	
Hexachloroethane	ND U	390	68	1	11/18/18 23:36	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	390	86	1	11/18/18 23:36	11/7/18	
Isophorone	ND U	390	84	1	11/18/18 23:36	11/7/18	
N-Nitrosodi-n-propylamine	ND U	390	71	1	11/18/18 23:36	11/7/18	
N-Nitrosodiphenylamine	ND U	390	180	1	11/18/18 23:36	11/7/18	
Naphthalene	ND U	390	80	1	11/18/18 23:36	11/7/18	
Nitrobenzene	ND U	390	80	1	11/18/18 23:36	11/7/18	
Pentachlorophenol (PCP)	ND U	2000	130	1	11/18/18 23:36	11/7/18	
Phenanthrene	ND U	390	81	1	11/18/18 23:36	11/7/18	
Phenol	ND U	390	86	1	11/18/18 23:36	11/7/18	
Pyrene	ND U	390	76	1	11/18/18 23:36	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	39	10 - 109	11/18/18 23:36	
2-Fluorobiphenyl	33	10 - 102	11/18/18 23:36	
2-Fluorophenol	42	10 - 88	11/18/18 23:36	
Nitrobenzene-d5	36	10 - 95	11/18/18 23:36	
Phenol-d6	41	10 - 145	11/18/18 23:36	
Terphenyl-d14	67	10 - 106	11/18/18 23:36	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	1900	J
	unknown	5.27	210	J
000540-97-6	Cyclohexasiloxane, dodecamethyl-	6.28	160	JN

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	360	110	1	11/19/18 00:03	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	360	90	1	11/19/18 00:03	11/7/18	
2,4,5-Trichlorophenol	ND U	360	91	1	11/19/18 00:03	11/7/18	
2,4,6-Trichlorophenol	ND U	360	94	1	11/19/18 00:03	11/7/18	
2,4-Dichlorophenol	ND U	360	75	1	11/19/18 00:03	11/7/18	
2,4-Dimethylphenol	ND U	360	69	1	11/19/18 00:03	11/7/18	
2,4-Dinitrophenol	ND U	1900	68	1	11/19/18 00:03	11/7/18	
2,4-Dinitrotoluene	ND U	360	95	1	11/19/18 00:03	11/7/18	
2,6-Dinitrotoluene	ND U	360	130	1	11/19/18 00:03	11/7/18	
2-Chloronaphthalene	ND U	360	80	1	11/19/18 00:03	11/7/18	
2-Chlorophenol	ND U	360	88	1	11/19/18 00:03	11/7/18	
2-Methylnaphthalene	ND U	360	82	1	11/19/18 00:03	11/7/18	
2-Methylphenol	ND U	360	88	1	11/19/18 00:03	11/7/18	
2-Nitroaniline	ND U	1900	110	1	11/19/18 00:03	11/7/18	
2-Nitrophenol	ND U	360	83	1	11/19/18 00:03	11/7/18	
3,3'-Dichlorobenzidine	ND U	360	120	1	11/19/18 00:03	11/7/18	
3- and 4-Methylphenol Coelution	ND U	360	92	1	11/19/18 00:03	11/7/18	
3-Nitroaniline	ND U	1900	79	1	11/19/18 00:03	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	1900	79	1	11/19/18 00:03	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	360	110	1	11/19/18 00:03	11/7/18	
4-Chloro-3-methylphenol	ND U	360	83	1	11/19/18 00:03	11/7/18	
4-Chloroaniline	ND U	360	44	1	11/19/18 00:03	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	360	87	1	11/19/18 00:03	11/7/18	
4-Nitroaniline	ND U	1900	80	1	11/19/18 00:03	11/7/18	
4-Nitrophenol	ND U	1900	220	1	11/19/18 00:03	11/7/18	
Acenaphthene	ND U	360	80	1	11/19/18 00:03	11/7/18	
Acenaphthylene	ND U	360	74	1	11/19/18 00:03	11/7/18	
Acetophenone	ND U	360	85	1	11/19/18 00:03	11/7/18	
Anthracene	ND U	360	70	1	11/19/18 00:03	11/7/18	
Atrazine	ND U	360	98	1	11/19/18 00:03	11/7/18	
Benz(a)anthracene	ND U	360	64	1	11/19/18 00:03	11/7/18	
Benzaldehyde	ND U	1900	86	1	11/19/18 00:03	11/7/18	
Benzo(a)pyrene	ND U	360	73	1	11/19/18 00:03	11/7/18	
Benzo(b)fluoranthene	ND U	360	66	1	11/19/18 00:03	11/7/18	
Benzo(g,h,i)perylene	ND U	360	83	1	11/19/18 00:03	11/7/18	
Benzo(k)fluoranthene	ND U	360	82	1	11/19/18 00:03	11/7/18	
Biphenyl	ND U	360	85	1	11/19/18 00:03	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	360	89	1	11/19/18 00:03	11/7/18	
Bis(2-chloroethoxy)methane	ND U	360	83	1	11/19/18 00:03	11/7/18	
Bis(2-chloroethyl) Ether	ND U	360	66	1	11/19/18 00:03	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	550	510	1	11/19/18 00:03	11/7/18	
Butyl Benzyl Phthalate	ND U	360	70	1	11/19/18 00:03	11/7/18	
Caprolactam	ND U	360	81	1	11/19/18 00:03	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	360	90	1	11/19/18 00:03	11/7/18	
Chrysene	ND U	360	72	1	11/19/18 00:03	11/7/18	
Di-n-butyl Phthalate	ND U	360	130	1	11/19/18 00:03	11/7/18	
Di-n-octyl Phthalate	ND U	360	110	1	11/19/18 00:03	11/7/18	
Dibenz(a,h)anthracene	ND U	360	66	1	11/19/18 00:03	11/7/18	
Dibenzofuran	ND U	360	74	1	11/19/18 00:03	11/7/18	
Diethyl Phthalate	ND U	360	200	1	11/19/18 00:03	11/7/18	
Dimethyl Phthalate	ND U	360	100	1	11/19/18 00:03	11/7/18	
Fluoranthene	ND U	360	86	1	11/19/18 00:03	11/7/18	
Fluorene	ND U	360	91	1	11/19/18 00:03	11/7/18	
Hexachlorobenzene	ND U	360	85	1	11/19/18 00:03	11/7/18	
Hexachlorobutadiene	ND U	360	62	1	11/19/18 00:03	11/7/18	
Hexachlorocyclopentadiene	ND U	360	60	1	11/19/18 00:03	11/7/18	
Hexachloroethane	ND U	360	64	1	11/19/18 00:03	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	360	80	1	11/19/18 00:03	11/7/18	
Isophorone	ND U	360	79	1	11/19/18 00:03	11/7/18	
N-Nitrosodi-n-propylamine	ND U	360	66	1	11/19/18 00:03	11/7/18	
N-Nitrosodiphenylamine	ND U	360	170	1	11/19/18 00:03	11/7/18	
Naphthalene	ND U	360	75	1	11/19/18 00:03	11/7/18	
Nitrobenzene	ND U	360	75	1	11/19/18 00:03	11/7/18	
Pentachlorophenol (PCP)	ND U	1900	130	1	11/19/18 00:03	11/7/18	
Phenanthrene	ND U	360	76	1	11/19/18 00:03	11/7/18	
Phenol	ND U	360	80	1	11/19/18 00:03	11/7/18	
Pyrene	ND U	360	71	1	11/19/18 00:03	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	10 - 109	11/19/18 00:03	
2-Fluorobiphenyl	36	10 - 102	11/19/18 00:03	
2-Fluorophenol	41	10 - 88	11/19/18 00:03	
Nitrobenzene-d5	37	10 - 95	11/19/18 00:03	
Phenol-d6	41	10 - 145	11/19/18 00:03	
Terphenyl-d14	68	10 - 106	11/19/18 00:03	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	2200	J
000541-02-6	Cyclopentasiloxane, decamethyl-	5.27	240	JN
	unknown	6.28	180	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	410	120	1	11/19/18 00:31	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	410	110	1	11/19/18 00:31	11/7/18	
2,4,5-Trichlorophenol	ND U	410	110	1	11/19/18 00:31	11/7/18	
2,4,6-Trichlorophenol	ND U	410	110	1	11/19/18 00:31	11/7/18	
2,4-Dichlorophenol	ND U	410	84	1	11/19/18 00:31	11/7/18	
2,4-Dimethylphenol	ND U	410	78	1	11/19/18 00:31	11/7/18	
2,4-Dinitrophenol	ND U	2100	77	1	11/19/18 00:31	11/7/18	
2,4-Dinitrotoluene	ND U	410	110	1	11/19/18 00:31	11/7/18	
2,6-Dinitrotoluene	ND U	410	150	1	11/19/18 00:31	11/7/18	
2-Chloronaphthalene	ND U	410	90	1	11/19/18 00:31	11/7/18	
2-Chlorophenol	ND U	410	99	1	11/19/18 00:31	11/7/18	
2-Methylnaphthalene	ND U	410	92	1	11/19/18 00:31	11/7/18	
2-Methylphenol	ND U	410	99	1	11/19/18 00:31	11/7/18	
2-Nitroaniline	ND U	2100	120	1	11/19/18 00:31	11/7/18	
2-Nitrophenol	ND U	410	93	1	11/19/18 00:31	11/7/18	
3,3'-Dichlorobenzidine	ND U	410	130	1	11/19/18 00:31	11/7/18	
3- and 4-Methylphenol Coelution	ND U	410	110	1	11/19/18 00:31	11/7/18	
3-Nitroaniline	ND U	2100	88	1	11/19/18 00:31	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2100	89	1	11/19/18 00:31	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	410	120	1	11/19/18 00:31	11/7/18	
4-Chloro-3-methylphenol	ND U	410	93	1	11/19/18 00:31	11/7/18	
4-Chloroaniline	ND U	410	49	1	11/19/18 00:31	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	410	97	1	11/19/18 00:31	11/7/18	
4-Nitroaniline	ND U	2100	90	1	11/19/18 00:31	11/7/18	
4-Nitrophenol	ND U	2100	240	1	11/19/18 00:31	11/7/18	
Acenaphthene	ND U	410	90	1	11/19/18 00:31	11/7/18	
Acenaphthylene	ND U	410	83	1	11/19/18 00:31	11/7/18	
Acetophenone	ND U	410	95	1	11/19/18 00:31	11/7/18	
Anthracene	ND U	410	79	1	11/19/18 00:31	11/7/18	
Atrazine	ND U	410	110	1	11/19/18 00:31	11/7/18	
Benz(a)anthracene	ND U	410	72	1	11/19/18 00:31	11/7/18	
Benzaldehyde	ND U	2100	97	1	11/19/18 00:31	11/7/18	
Benzo(a)pyrene	ND U	410	82	1	11/19/18 00:31	11/7/18	
Benzo(b)fluoranthene	ND U	410	75	1	11/19/18 00:31	11/7/18	
Benzo(g,h,i)perylene	ND U	410	93	1	11/19/18 00:31	11/7/18	
Benzo(k)fluoranthene	ND U	410	92	1	11/19/18 00:31	11/7/18	
Biphenyl	ND U	410	95	1	11/19/18 00:31	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	410	100	1	11/19/18 00:31	11/7/18	
Bis(2-chloroethoxy)methane	ND U	410	94	1	11/19/18 00:31	11/7/18	
Bis(2-chloroethyl) Ether	ND U	410	74	1	11/19/18 00:31	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	620	570	1	11/19/18 00:31	11/7/18	
Butyl Benzyl Phthalate	ND U	410	78	1	11/19/18 00:31	11/7/18	
Caprolactam	ND U	410	91	1	11/19/18 00:31	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	410	110	1	11/19/18 00:31	11/7/18	
Chrysene	ND U	410	80	1	11/19/18 00:31	11/7/18	
Di-n-butyl Phthalate	ND U	410	140	1	11/19/18 00:31	11/7/18	
Di-n-octyl Phthalate	ND U	410	130	1	11/19/18 00:31	11/7/18	
Dibenz(a,h)anthracene	ND U	410	74	1	11/19/18 00:31	11/7/18	
Dibenzofuran	ND U	410	84	1	11/19/18 00:31	11/7/18	
Diethyl Phthalate	ND U	410	230	1	11/19/18 00:31	11/7/18	
Dimethyl Phthalate	ND U	410	120	1	11/19/18 00:31	11/7/18	
Fluoranthene	ND U	410	96	1	11/19/18 00:31	11/7/18	
Fluorene	ND U	410	110	1	11/19/18 00:31	11/7/18	
Hexachlorobenzene	ND U	410	95	1	11/19/18 00:31	11/7/18	
Hexachlorobutadiene	ND U	410	69	1	11/19/18 00:31	11/7/18	
Hexachlorocyclopentadiene	ND U	410	68	1	11/19/18 00:31	11/7/18	
Hexachloroethane	ND U	410	72	1	11/19/18 00:31	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	410	90	1	11/19/18 00:31	11/7/18	
Isophorone	ND U	410	88	1	11/19/18 00:31	11/7/18	
N-Nitrosodi-n-propylamine	ND U	410	74	1	11/19/18 00:31	11/7/18	
N-Nitrosodiphenylamine	ND U	410	190	1	11/19/18 00:31	11/7/18	
Naphthalene	ND U	410	84	1	11/19/18 00:31	11/7/18	
Nitrobenzene	ND U	410	84	1	11/19/18 00:31	11/7/18	
Pentachlorophenol (PCP)	ND U	2100	140	1	11/19/18 00:31	11/7/18	
Phenanthrene	ND U	410	85	1	11/19/18 00:31	11/7/18	
Phenol	ND U	410	89	1	11/19/18 00:31	11/7/18	
Pyrene	ND U	410	80	1	11/19/18 00:31	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	30	10 - 109	11/19/18 00:31	
2-Fluorobiphenyl	26	10 - 102	11/19/18 00:31	
2-Fluorophenol	33	10 - 88	11/19/18 00:31	
Nitrobenzene-d5	29	10 - 95	11/19/18 00:31	
Phenol-d6	34	10 - 145	11/19/18 00:31	
Terphenyl-d14	64	10 - 106	11/19/18 00:31	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	1800	J
000541-02-6	Cyclopentasiloxane, decamethyl-	5.27	190	JN

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	390	120	1	11/19/18 00:59	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	390	96	1	11/19/18 00:59	11/7/18	
2,4,5-Trichlorophenol	ND U	390	97	1	11/19/18 00:59	11/7/18	
2,4,6-Trichlorophenol	ND U	390	110	1	11/19/18 00:59	11/7/18	
2,4-Dichlorophenol	ND U	390	80	1	11/19/18 00:59	11/7/18	
2,4-Dimethylphenol	ND U	390	74	1	11/19/18 00:59	11/7/18	
2,4-Dinitrophenol	ND U	2000	73	1	11/19/18 00:59	11/7/18	
2,4-Dinitrotoluene	ND U	390	110	1	11/19/18 00:59	11/7/18	
2,6-Dinitrotoluene	ND U	390	140	1	11/19/18 00:59	11/7/18	
2-Chloronaphthalene	ND U	390	86	1	11/19/18 00:59	11/7/18	
2-Chlorophenol	ND U	390	95	1	11/19/18 00:59	11/7/18	
2-Methylnaphthalene	ND U	390	88	1	11/19/18 00:59	11/7/18	
2-Methylphenol	ND U	390	95	1	11/19/18 00:59	11/7/18	
2-Nitroaniline	ND U	2000	120	1	11/19/18 00:59	11/7/18	
2-Nitrophenol	ND U	390	89	1	11/19/18 00:59	11/7/18	
3,3'-Dichlorobenzidine	ND U	390	120	1	11/19/18 00:59	11/7/18	
3- and 4-Methylphenol Coelution	ND U	390	98	1	11/19/18 00:59	11/7/18	
3-Nitroaniline	ND U	2000	84	1	11/19/18 00:59	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2000	84	1	11/19/18 00:59	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	390	110	1	11/19/18 00:59	11/7/18	
4-Chloro-3-methylphenol	ND U	390	89	1	11/19/18 00:59	11/7/18	
4-Chloroaniline	ND U	390	47	1	11/19/18 00:59	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	390	93	1	11/19/18 00:59	11/7/18	
4-Nitroaniline	ND U	2000	86	1	11/19/18 00:59	11/7/18	
4-Nitrophenol	ND U	2000	230	1	11/19/18 00:59	11/7/18	
Acenaphthene	ND U	390	86	1	11/19/18 00:59	11/7/18	
Acenaphthylene	ND U	390	80	1	11/19/18 00:59	11/7/18	
Acetophenone	ND U	390	91	1	11/19/18 00:59	11/7/18	
Anthracene	ND U	390	75	1	11/19/18 00:59	11/7/18	
Atrazine	ND U	390	110	1	11/19/18 00:59	11/7/18	
Benz(a)anthracene	ND U	390	68	1	11/19/18 00:59	11/7/18	
Benzaldehyde	ND U	2000	93	1	11/19/18 00:59	11/7/18	
Benzo(a)pyrene	ND U	390	78	1	11/19/18 00:59	11/7/18	
Benzo(b)fluoranthene	ND U	390	71	1	11/19/18 00:59	11/7/18	
Benzo(g,h,i)perylene	ND U	390	89	1	11/19/18 00:59	11/7/18	
Benzo(k)fluoranthene	ND U	390	87	1	11/19/18 00:59	11/7/18	
Biphenyl	ND U	390	91	1	11/19/18 00:59	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	390	95	1	11/19/18 00:59	11/7/18	
Bis(2-chloroethoxy)methane	ND U	390	89	1	11/19/18 00:59	11/7/18	
Bis(2-chloroethyl) Ether	ND U	390	71	1	11/19/18 00:59	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	590	540	1	11/19/18 00:59	11/7/18	
Butyl Benzyl Phthalate	ND U	390	74	1	11/19/18 00:59	11/7/18	
Caprolactam	ND U	390	87	1	11/19/18 00:59	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	390	97	1	11/19/18 00:59	11/7/18	
Chrysene	ND U	390	77	1	11/19/18 00:59	11/7/18	
Di-n-butyl Phthalate	ND U	390	130	1	11/19/18 00:59	11/7/18	
Di-n-octyl Phthalate	ND U	390	120	1	11/19/18 00:59	11/7/18	
Dibenz(a,h)anthracene	ND U	390	71	1	11/19/18 00:59	11/7/18	
Dibenzofuran	ND U	390	80	1	11/19/18 00:59	11/7/18	
Diethyl Phthalate	ND U	390	220	1	11/19/18 00:59	11/7/18	
Dimethyl Phthalate	ND U	390	110	1	11/19/18 00:59	11/7/18	
Fluoranthene	ND U	390	92	1	11/19/18 00:59	11/7/18	
Fluorene	ND U	390	98	1	11/19/18 00:59	11/7/18	
Hexachlorobenzene	ND U	390	91	1	11/19/18 00:59	11/7/18	
Hexachlorobutadiene	ND U	390	66	1	11/19/18 00:59	11/7/18	
Hexachlorocyclopentadiene	ND U	390	65	1	11/19/18 00:59	11/7/18	
Hexachloroethane	ND U	390	68	1	11/19/18 00:59	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	390	86	1	11/19/18 00:59	11/7/18	
Isophorone	ND U	390	84	1	11/19/18 00:59	11/7/18	
N-Nitrosodi-n-propylamine	ND U	390	71	1	11/19/18 00:59	11/7/18	
N-Nitrosodiphenylamine	ND U	390	180	1	11/19/18 00:59	11/7/18	
Naphthalene	ND U	390	80	1	11/19/18 00:59	11/7/18	
Nitrobenzene	ND U	390	80	1	11/19/18 00:59	11/7/18	
Pentachlorophenol (PCP)	ND U	2000	130	1	11/19/18 00:59	11/7/18	
Phenanthrene	ND U	390	81	1	11/19/18 00:59	11/7/18	
Phenol	ND U	390	85	1	11/19/18 00:59	11/7/18	
Pyrene	ND U	390	76	1	11/19/18 00:59	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	40	10 - 109	11/19/18 00:59	
2-Fluorobiphenyl	37	10 - 102	11/19/18 00:59	
2-Fluorophenol	39	10 - 88	11/19/18 00:59	
Nitrobenzene-d5	35	10 - 95	11/19/18 00:59	
Phenol-d6	38	10 - 145	11/19/18 00:59	
Terphenyl-d14	61	10 - 106	11/19/18 00:59	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.30	2100	J
000541-02-6	Cyclopentasiloxane, decamethyl-	5.27	420	JN
000540-97-6	Cyclohexasiloxane, dodecamethyl-	6.28	320	JN
	unknown	7.19	160	J

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	410	120	1	11/19/18 01:26	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	410	100	1	11/19/18 01:26	11/7/18	
2,4,5-Trichlorophenol	ND U	410	110	1	11/19/18 01:26	11/7/18	
2,4,6-Trichlorophenol	ND U	410	110	1	11/19/18 01:26	11/7/18	
2,4-Dichlorophenol	ND U	410	84	1	11/19/18 01:26	11/7/18	
2,4-Dimethylphenol	ND U	410	77	1	11/19/18 01:26	11/7/18	
2,4-Dinitrophenol	ND U	2100	76	1	11/19/18 01:26	11/7/18	
2,4-Dinitrotoluene	ND U	410	110	1	11/19/18 01:26	11/7/18	
2,6-Dinitrotoluene	ND U	410	150	1	11/19/18 01:26	11/7/18	
2-Chloronaphthalene	ND U	410	90	1	11/19/18 01:26	11/7/18	
2-Chlorophenol	ND U	410	99	1	11/19/18 01:26	11/7/18	
2-Methylnaphthalene	ND U	410	91	1	11/19/18 01:26	11/7/18	
2-Methylphenol	ND U	410	99	1	11/19/18 01:26	11/7/18	
2-Nitroaniline	ND U	2100	120	1	11/19/18 01:26	11/7/18	
2-Nitrophenol	ND U	410	92	1	11/19/18 01:26	11/7/18	
3,3'-Dichlorobenzidine	ND U	410	130	1	11/19/18 01:26	11/7/18	
3- and 4-Methylphenol Coelution	ND U	410	110	1	11/19/18 01:26	11/7/18	
3-Nitroaniline	ND U	2100	88	1	11/19/18 01:26	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	2100	88	1	11/19/18 01:26	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	410	120	1	11/19/18 01:26	11/7/18	
4-Chloro-3-methylphenol	ND U	410	93	1	11/19/18 01:26	11/7/18	
4-Chloroaniline	ND U	410	49	1	11/19/18 01:26	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	410	97	1	11/19/18 01:26	11/7/18	
4-Nitroaniline	ND U	2100	90	1	11/19/18 01:26	11/7/18	
4-Nitrophenol	ND U	2100	240	1	11/19/18 01:26	11/7/18	
Acenaphthene	ND U	410	90	1	11/19/18 01:26	11/7/18	
Acenaphthylene	ND U	410	83	1	11/19/18 01:26	11/7/18	
Acetophenone	ND U	410	95	1	11/19/18 01:26	11/7/18	
Anthracene	ND U	410	78	1	11/19/18 01:26	11/7/18	
Atrazine	ND U	410	110	1	11/19/18 01:26	11/7/18	
Benz(a)anthracene	ND U	410	71	1	11/19/18 01:26	11/7/18	
Benzaldehyde	ND U	2100	96	1	11/19/18 01:26	11/7/18	
Benzo(a)pyrene	ND U	410	82	1	11/19/18 01:26	11/7/18	
Benzo(b)fluoranthene	ND U	410	74	1	11/19/18 01:26	11/7/18	
Benzo(g,h,i)perylene	ND U	410	93	1	11/19/18 01:26	11/7/18	
Benzo(k)fluoranthene	ND U	410	91	1	11/19/18 01:26	11/7/18	
Biphenyl	ND U	410	95	1	11/19/18 01:26	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	410	99	1	11/19/18 01:26	11/7/18	
Bis(2-chloroethoxy)methane	ND U	410	93	1	11/19/18 01:26	11/7/18	
Bis(2-chloroethyl) Ether	ND U	410	74	1	11/19/18 01:26	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	610	570	1	11/19/18 01:26	11/7/18	
Butyl Benzyl Phthalate	ND U	410	78	1	11/19/18 01:26	11/7/18	
Caprolactam	ND U	410	90	1	11/19/18 01:26	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	410	110	1	11/19/18 01:26	11/7/18	
Chrysene	ND U	410	80	1	11/19/18 01:26	11/7/18	
Di-n-butyl Phthalate	ND U	410	140	1	11/19/18 01:26	11/7/18	
Di-n-octyl Phthalate	ND U	410	130	1	11/19/18 01:26	11/7/18	
Dibenz(a,h)anthracene	ND U	410	74	1	11/19/18 01:26	11/7/18	
Dibenzofuran	ND U	410	83	1	11/19/18 01:26	11/7/18	
Diethyl Phthalate	ND U	410	230	1	11/19/18 01:26	11/7/18	
Dimethyl Phthalate	ND U	410	120	1	11/19/18 01:26	11/7/18	
Fluoranthene	ND U	410	95	1	11/19/18 01:26	11/7/18	
Fluorene	ND U	410	110	1	11/19/18 01:26	11/7/18	
Hexachlorobenzene	ND U	410	95	1	11/19/18 01:26	11/7/18	
Hexachlorobutadiene	ND U	410	69	1	11/19/18 01:26	11/7/18	
Hexachlorocyclopentadiene	ND U	410	67	1	11/19/18 01:26	11/7/18	
Hexachloroethane	ND U	410	71	1	11/19/18 01:26	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	410	90	1	11/19/18 01:26	11/7/18	
Isophorone	ND U	410	88	1	11/19/18 01:26	11/7/18	
N-Nitrosodi-n-propylamine	ND U	410	74	1	11/19/18 01:26	11/7/18	
N-Nitrosodiphenylamine	ND U	410	190	1	11/19/18 01:26	11/7/18	
Naphthalene	ND U	410	83	1	11/19/18 01:26	11/7/18	
Nitrobenzene	ND U	410	83	1	11/19/18 01:26	11/7/18	
Pentachlorophenol (PCP)	ND U	2100	140	1	11/19/18 01:26	11/7/18	
Phenanthrene	ND U	410	84	1	11/19/18 01:26	11/7/18	
Phenol	ND U	410	89	1	11/19/18 01:26	11/7/18	
Pyrene	ND U	410	79	1	11/19/18 01:26	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	32	10 - 109	11/19/18 01:26	
2-Fluorobiphenyl	29	10 - 102	11/19/18 01:26	
2-Fluorophenol	33	10 - 88	11/19/18 01:26	
Nitrobenzene-d5	28	10 - 95	11/19/18 01:26	
Phenol-d6	34	10 - 145	11/19/18 01:26	
Terphenyl-d14	63	10 - 106	11/19/18 01:26	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	2.49	320	J
	unknown	3.30	1800	J

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Units:**	ug/Kg
Lab Code:	R1810655-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	40	21	1	11/15/18 19:19	11/6/18	
Aroclor 1221	ND U	82	41	1	11/15/18 19:19	11/6/18	
Aroclor 1232	ND U	40	24	1	11/15/18 19:19	11/6/18	
Aroclor 1242	ND U	40	21	1	11/15/18 19:19	11/6/18	
Aroclor 1248	ND U	40	32	1	11/15/18 19:19	11/6/18	
Aroclor 1254	ND U	40	23	1	11/15/18 19:19	11/6/18	
Aroclor 1260	ND U	40	21	1	11/15/18 19:19	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	85	22 - 128	11/15/18 19:19	
Tetrachloro-m-xylene	30	14 - 119	11/15/18 19:19	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Units:**	ug/Kg
Lab Code:	R1810655-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	39	21	1	11/15/18 19:38	11/6/18	
Aroclor 1221	ND U	80	40	1	11/15/18 19:38	11/6/18	
Aroclor 1232	ND U	39	23	1	11/15/18 19:38	11/6/18	
Aroclor 1242	ND U	39	21	1	11/15/18 19:38	11/6/18	
Aroclor 1248	ND U	39	31	1	11/15/18 19:38	11/6/18	
Aroclor 1254	ND U	39	22	1	11/15/18 19:38	11/6/18	
Aroclor 1260	ND U	39	21	1	11/15/18 19:38	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	114	22 - 128	11/15/18 19:38	
Tetrachloro-m-xylene	44	14 - 119	11/15/18 19:38	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Units:**	ug/Kg
Lab Code:	R1810655-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	39	21	1	11/15/18 20:18	11/6/18	
Aroclor 1221	ND U	79	39	1	11/15/18 20:18	11/6/18	
Aroclor 1232	ND U	39	23	1	11/15/18 20:18	11/6/18	
Aroclor 1242	ND U	39	21	1	11/15/18 20:18	11/6/18	
Aroclor 1248	ND U	39	31	1	11/15/18 20:18	11/6/18	
Aroclor 1254	ND U	39	22	1	11/15/18 20:18	11/6/18	
Aroclor 1260	ND U	39	21	1	11/15/18 20:18	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	114	22 - 128	11/15/18 20:18	
Tetrachloro-m-xylene	34	14 - 119	11/15/18 20:18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Units:**	ug/Kg
Lab Code:	R1810655-004	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	35	18	1	11/15/18 20:37	11/6/18	
Aroclor 1221	ND U	70	35	1	11/15/18 20:37	11/6/18	
Aroclor 1232	ND U	35	21	1	11/15/18 20:37	11/6/18	
Aroclor 1242	ND U	35	18	1	11/15/18 20:37	11/6/18	
Aroclor 1248	ND U	35	27	1	11/15/18 20:37	11/6/18	
Aroclor 1254	ND U	35	19	1	11/15/18 20:37	11/6/18	
Aroclor 1260	ND U	35	18	1	11/15/18 20:37	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	94	22 - 128	11/15/18 20:37	
Tetrachloro-m-xylene	98	14 - 119	11/15/18 20:37	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	37	19	1	11/15/18 20:57	11/6/18	
Aroclor 1221	ND U	74	37	1	11/15/18 20:57	11/6/18	
Aroclor 1232	ND U	37	22	1	11/15/18 20:57	11/6/18	
Aroclor 1242	ND U	37	19	1	11/15/18 20:57	11/6/18	
Aroclor 1248	ND U	37	29	1	11/15/18 20:57	11/6/18	
Aroclor 1254	ND U	37	21	1	11/15/18 20:57	11/6/18	
Aroclor 1260	ND U	37	19	1	11/15/18 20:57	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	94	22 - 128	11/15/18 20:57	
Tetrachloro-m-xylene	36	14 - 119	11/15/18 20:57	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Units:**	ug/Kg
Lab Code:	R1810655-006	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	36	19	1	11/16/18 12:00	11/7/18	
Aroclor 1221	ND U	73	36	1	11/16/18 12:00	11/7/18	
Aroclor 1232	ND U	36	21	1	11/16/18 12:00	11/7/18	
Aroclor 1242	ND U	36	19	1	11/16/18 12:00	11/7/18	
Aroclor 1248	ND U	36	28	1	11/16/18 12:00	11/7/18	
Aroclor 1254	ND U	36	20	1	11/16/18 12:00	11/7/18	
Aroclor 1260	ND U	36	19	1	11/16/18 12:00	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	52	22 - 128	11/16/18 12:00	
Tetrachloro-m-xylene	22	14 - 119	11/16/18 12:00	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Units:**	ug/Kg
Lab Code:	R1810655-007	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	39	20	1	11/16/18 12:20	11/7/18	
Aroclor 1221	ND U	78	39	1	11/16/18 12:20	11/7/18	
Aroclor 1232	ND U	39	23	1	11/16/18 12:20	11/7/18	
Aroclor 1242	ND U	39	20	1	11/16/18 12:20	11/7/18	
Aroclor 1248	ND U	39	30	1	11/16/18 12:20	11/7/18	
Aroclor 1254	ND U	39	22	1	11/16/18 12:20	11/7/18	
Aroclor 1260	ND U	39	20	1	11/16/18 12:20	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	96	22 - 128	11/16/18 12:20	
Tetrachloro-m-xylene	33	14 - 119	11/16/18 12:20	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Units:**	ug/Kg
Lab Code:	R1810655-008	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	36	19	1	11/16/18 12:40	11/7/18	
Aroclor 1221	ND U	73	36	1	11/16/18 12:40	11/7/18	
Aroclor 1232	ND U	36	21	1	11/16/18 12:40	11/7/18	
Aroclor 1242	ND U	36	19	1	11/16/18 12:40	11/7/18	
Aroclor 1248	ND U	36	28	1	11/16/18 12:40	11/7/18	
Aroclor 1254	ND U	36	20	1	11/16/18 12:40	11/7/18	
Aroclor 1260	ND U	36	19	1	11/16/18 12:40	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	95	22 - 128	11/16/18 12:40	
Tetrachloro-m-xylene	28	14 - 119	11/16/18 12:40	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Units:**	ug/Kg
Lab Code:	R1810655-009	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	41	21	1	11/16/18 12:59	11/7/18	
Aroclor 1221	ND U	83	41	1	11/16/18 12:59	11/7/18	
Aroclor 1232	ND U	41	24	1	11/16/18 12:59	11/7/18	
Aroclor 1242	ND U	41	21	1	11/16/18 12:59	11/7/18	
Aroclor 1248	ND U	41	32	1	11/16/18 12:59	11/7/18	
Aroclor 1254	ND U	41	23	1	11/16/18 12:59	11/7/18	
Aroclor 1260	ND U	41	21	1	11/16/18 12:59	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	114	22 - 128	11/16/18 12:59	
Tetrachloro-m-xylene	39	14 - 119	11/16/18 12:59	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	39	21	1	11/16/18 13:19	11/7/18	
Aroclor 1221	ND U	80	40	1	11/16/18 13:19	11/7/18	
Aroclor 1232	ND U	39	23	1	11/16/18 13:19	11/7/18	
Aroclor 1242	ND U	39	21	1	11/16/18 13:19	11/7/18	
Aroclor 1248	ND U	39	31	1	11/16/18 13:19	11/7/18	
Aroclor 1254	ND U	39	22	1	11/16/18 13:19	11/7/18	
Aroclor 1260	ND U	39	21	1	11/16/18 13:19	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	97	22 - 128	11/16/18 13:19	
Tetrachloro-m-xylene	33	14 - 119	11/16/18 13:19	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	41	21	1	11/16/18 15:36	11/7/18	
Aroclor 1221	ND U	82	41	1	11/16/18 15:36	11/7/18	
Aroclor 1232	ND U	41	24	1	11/16/18 15:36	11/7/18	
Aroclor 1242	ND U	41	21	1	11/16/18 15:36	11/7/18	
Aroclor 1248	ND U	41	32	1	11/16/18 15:36	11/7/18	
Aroclor 1254	ND U	41	23	1	11/16/18 15:36	11/7/18	
Aroclor 1260	ND U	41	21	1	11/16/18 15:36	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	106	22 - 128	11/16/18 15:36	
Tetrachloro-m-xylene	39	14 - 119	11/16/18 15:36	

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-1	**Basis:**	As Received
Lab Code:	R1810655-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**81.5**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:10
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-2	**Basis:**	As Received
Lab Code:	R1810655-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.3**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:35
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-3	**Basis:**	As Received
Lab Code:	R1810655-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.6**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 11:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-4	**Basis:**	As Received
Lab Code:	R1810655-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.1**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:15
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-5	**Basis:**	As Received
Lab Code:	R1810655-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**90.0**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 12:00
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-6	**Basis:**	As Received
Lab Code:	R1810655-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.9**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-7	**Basis:**	As Received
Lab Code:	R1810655-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.6**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 10:55
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-8	**Basis:**	As Received
Lab Code:	R1810655-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**90.9**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 08:20
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-9	**Basis:**	As Received
Lab Code:	R1810655-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**80.7**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:25
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	SB-10	**Basis:**	As Received
Lab Code:	R1810655-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.8**	Percent	-	1	11/05/18 18:05	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18 09:50
Sample Matrix:	Soil	**Date Received:**	11/02/18 09:00
Sample Name:	DUPE-1	**Basis:**	As Received
Lab Code:	R1810655-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**81.4**	Percent	-	1	11/05/18 18:05	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: KAS Inc. **Service Request:** R1810655

Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
SB-1 DL	R1810655-001	99	86	102
SB-7 DL	R1810655-007	100	83	103
SB-1	R1810655-001	99	99	104
SB-2	R1810655-002	98	98	105
SB-2 DL	R1810655-002	98	85	102
SB-3	R1810655-003	98	98	104
SB-3 DL	R1810655-003	99	83	102
SB-4	R1810655-004	47	110	91
SB-4 RE	R1810655-004	49	109	93
SB-4 DL	R1810655-004	103	85	105
SB-5	R1810655-005	97	100	104
SB-5 DL	R1810655-005	97	83	102
SB-6	R1810655-006	100	97	104
SB-6 DL	R1810655-006	99	84	103
SB-7	R1810655-007	98	96	104
SB-8	R1810655-008	97	96	104
SB-8 DL	R1810655-008	101	84	102
SB-9	R1810655-009	96	96	104
SB-9 DL	R1810655-009	102	82	102
SB-10	R1810655-010	99	98	104
DUPE-1	R1810655-011	97	97	105
DUPE-1 DL	R1810655-011	101	82	103
Method Blank	RQ1812330-04	99	101	104
Method Blank	RQ1812411-04	102	88	104
Lab Control Sample	RQ1812330-03	103	104	105
Lab Control Sample	RQ1812411-03	104	96	103

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812330-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.73	1	11/08/18 11:26	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.81	1	11/08/18 11:26	
1,1,2-Trichloroethane	ND U	5.0	0.73	1	11/08/18 11:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.3	1	11/08/18 11:26	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.3	1	11/08/18 11:26	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.3	1	11/08/18 11:26	
1,2,3-Trichlorobenzene	ND U	5.0	0.62	1	11/08/18 11:26	
1,2,4-Trichlorobenzene	ND U	5.0	0.59	1	11/08/18 11:26	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	1.9	1	11/08/18 11:26	
1,2-Dibromoethane	ND U	5.0	1.3	1	11/08/18 11:26	
1,2-Dichlorobenzene	ND U	5.0	0.61	1	11/08/18 11:26	
1,2-Dichloroethane	ND U	5.0	0.61	1	11/08/18 11:26	
1,2-Dichloropropane	ND U	5.0	0.97	1	11/08/18 11:26	
1,3-Dichlorobenzene	ND U	5.0	0.63	1	11/08/18 11:26	
1,4-Dichlorobenzene	ND U	5.0	0.56	1	11/08/18 11:26	
1,4-Dioxane	ND U	100	20	1	11/08/18 11:26	
2-Butanone (MEK)	ND U	5.0	2.3	1	11/08/18 11:26	
2-Hexanone	ND U	5.0	1.3	1	11/08/18 11:26	
4-Methyl-2-pentanone	ND U	5.0	0.98	1	11/08/18 11:26	
Acetone	ND U	5.0	2.9	1	11/08/18 11:26	
Benzene	ND U	5.0	0.29	1	11/08/18 11:26	
Bromochloromethane	ND U	5.0	1.4	1	11/08/18 11:26	
Bromodichloromethane	ND U	5.0	0.61	1	11/08/18 11:26	
Bromoform	ND U	5.0	0.93	1	11/08/18 11:26	
Bromomethane	ND U	5.0	1.4	1	11/08/18 11:26	
Carbon Disulfide	ND U	5.0	1.3	1	11/08/18 11:26	
Carbon Tetrachloride	ND U	5.0	0.92	1	11/08/18 11:26	
Chlorobenzene	ND U	5.0	0.29	1	11/08/18 11:26	
Chloroethane	ND U	5.0	2.9	1	11/08/18 11:26	
Chloroform	ND U	5.0	1.3	1	11/08/18 11:26	
Chloromethane	ND U	5.0	0.40	1	11/08/18 11:26	
Cyclohexane	ND U	5.0	1.4	1	11/08/18 11:26	
Dibromochloromethane	ND U	5.0	0.73	1	11/08/18 11:26	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.9	1	11/08/18 11:26	
Dichloromethane	ND U	5.0	0.57	1	11/08/18 11:26	
Ethylbenzene	ND U	5.0	0.23	1	11/08/18 11:26	
Isopropylbenzene (Cumene)	ND U	5.0	0.67	1	11/08/18 11:26	
Methyl Acetate	ND U	5.0	1.8	1	11/08/18 11:26	
Methyl tert-Butyl Ether	ND U	5.0	0.94	1	11/08/18 11:26	
Methylcyclohexane	ND U	5.0	1.2	1	11/08/18 11:26	
Styrene	ND U	5.0	0.30	1	11/08/18 11:26	
Tetrachloroethene (PCE)	ND U	5.0	0.88	1	11/08/18 11:26	
Toluene	ND U	5.0	1.0	1	11/08/18 11:26	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812330-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	1.1	1	11/08/18 11:26	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.66	1	11/08/18 11:26	
Vinyl Chloride	ND U	5.0	1.9	1	11/08/18 11:26	
cis-1,2-Dichloroethene	ND U	5.0	0.95	1	11/08/18 11:26	
cis-1,3-Dichloropropene	ND U	5.0	0.90	1	11/08/18 11:26	
m,p-Xylenes	ND U	10	1.1	1	11/08/18 11:26	
o-Xylene	ND U	5.0	0.48	1	11/08/18 11:26	
trans-1,2-Dichloroethene	ND U	5.0	0.86	1	11/08/18 11:26	
trans-1,3-Dichloropropene	ND U	5.0	0.20	1	11/08/18 11:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	11/08/18 11:26	
Dibromofluoromethane	101	63 - 138	11/08/18 11:26	
Toluene-d8	104	66 - 138	11/08/18 11:26	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812411-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	250	37	50	11/09/18 12:52	
1,1,2,2-Tetrachloroethane	ND U	250	41	50	11/09/18 12:52	
1,1,2-Trichloroethane	ND U	250	37	50	11/09/18 12:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	250	62	50	11/09/18 12:52	
1,1-Dichloroethane (1,1-DCA)	ND U	250	63	50	11/09/18 12:52	
1,1-Dichloroethene (1,1-DCE)	ND U	250	64	50	11/09/18 12:52	
1,2,3-Trichlorobenzene	ND U	250	31	50	11/09/18 12:52	
1,2,4-Trichlorobenzene	ND U	250	30	50	11/09/18 12:52	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	250	94	50	11/09/18 12:52	
1,2-Dibromoethane	ND U	250	61	50	11/09/18 12:52	
1,2-Dichlorobenzene	ND U	250	31	50	11/09/18 12:52	
1,2-Dichloroethane	ND U	250	31	50	11/09/18 12:52	
1,2-Dichloropropane	ND U	250	49	50	11/09/18 12:52	
1,3-Dichlorobenzene	ND U	250	32	50	11/09/18 12:52	
1,4-Dichlorobenzene	ND U	250	28	50	11/09/18 12:52	
1,4-Dioxane	ND U	5000	960	50	11/09/18 12:52	
2-Butanone (MEK)	**160 J**	250	120	50	11/09/18 12:52	
2-Hexanone	ND U	250	61	50	11/09/18 12:52	
4-Methyl-2-pentanone	ND U	250	49	50	11/09/18 12:52	
Acetone	ND U	250	150	50	11/09/18 12:52	
Benzene	ND U	250	15	50	11/09/18 12:52	
Bromochloromethane	ND U	250	68	50	11/09/18 12:52	
Bromodichloromethane	ND U	250	31	50	11/09/18 12:52	
Bromoform	ND U	250	47	50	11/09/18 12:52	
Bromomethane	ND U	250	69	50	11/09/18 12:52	
Carbon Disulfide	ND U	250	62	50	11/09/18 12:52	
Carbon Tetrachloride	ND U	250	46	50	11/09/18 12:52	
Chlorobenzene	ND U	250	15	50	11/09/18 12:52	
Chloroethane	ND U	250	150	50	11/09/18 12:52	
Chloroform	ND U	250	63	50	11/09/18 12:52	
Chloromethane	ND U	250	20	50	11/09/18 12:52	
Cyclohexane	ND U	250	69	50	11/09/18 12:52	
Dibromochloromethane	ND U	250	37	50	11/09/18 12:52	
Dichlorodifluoromethane (CFC 12)	ND U	250	95	50	11/09/18 12:52	
Dichloromethane	ND U	250	29	50	11/09/18 12:52	
Ethylbenzene	ND U	250	12	50	11/09/18 12:52	
Isopropylbenzene (Cumene)	ND U	250	34	50	11/09/18 12:52	
Methyl Acetate	**91 J**	250	88	50	11/09/18 12:52	
Methyl tert-Butyl Ether	ND U	250	47	50	11/09/18 12:52	
Methylcyclohexane	ND U	250	60	50	11/09/18 12:52	
Styrene	ND U	250	15	50	11/09/18 12:52	
Tetrachloroethene (PCE)	ND U	250	44	50	11/09/18 12:52	
Toluene	ND U	250	50	50	11/09/18 12:52	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812411-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	250	51	50	11/09/18 12:52	
Trichlorofluoromethane (CFC 11)	ND U	250	33	50	11/09/18 12:52	
Vinyl Chloride	ND U	250	92	50	11/09/18 12:52	
cis-1,2-Dichloroethene	ND U	250	48	50	11/09/18 12:52	
cis-1,3-Dichloropropene	ND U	250	45	50	11/09/18 12:52	
m,p-Xylenes	ND U	500	55	50	11/09/18 12:52	
o-Xylene	ND U	250	24	50	11/09/18 12:52	
trans-1,2-Dichloroethene	ND U	250	43	50	11/09/18 12:52	
trans-1,3-Dichloropropene	ND U	250	10	50	11/09/18 12:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	31 - 154	11/09/18 12:52	
Dibromofluoromethane	88	63 - 138	11/09/18 12:52	
Toluene-d8	104	66 - 138	11/09/18 12:52	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	1.40	290	J

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop **Date Analyzed:** 11/08/18
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1812330-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.1	20.0	81	68-123
1,1,2,2-Tetrachloroethane	8260C	18.0	20.0	90	78-121
1,1,2-Trichloroethane	8260C	17.6	20.0	88	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	14.4	20.0	72	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	18.8	20.0	94	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	17.1	20.0	85	65-115
1,2,3-Trichlorobenzene	8260C	17.2	20.0	86	60-128
1,2,4-Trichlorobenzene	8260C	16.3	20.0	82	62-130
1,2-Dibromo-3-chloropropane (DBCP)	8260C	20.0	20.0	100	54-135
1,2-Dibromoethane	8260C	17.7	20.0	88	77-117
1,2-Dichlorobenzene	8260C	16.3	20.0	82	75-116
1,2-Dichloroethane	8260C	18.8	20.0	94	74-116
1,2-Dichloropropane	8260C	17.9	20.0	89	79-112
1,3-Dichlorobenzene	8260C	16.1	20.0	81	72-118
1,4-Dichlorobenzene	8260C	16.0	20.0	80	72-117
1,4-Dioxane	8260C	415	400	104	59-147
2-Butanone (MEK)	8260C	20.2	20.0	101	67-129
2-Hexanone	8260C	20.2	20.0	101	68-118
4-Methyl-2-pentanone	8260C	19.9	20.0	99	64-123
Acetone	8260C	22.9	20.0	114	32-154
Benzene	8260C	17.1	20.0	86	77-114
Bromochloromethane	8260C	17.2	20.0	86	78-117
Bromodichloromethane	8260C	17.2	20.0	86	72-118
Bromoform	8260C	18.6	20.0	93	55-134
Bromomethane	8260C	20.3	20.0	101	10-150
Carbon Disulfide	8260C	16.6	20.0	83	44-139
Carbon Tetrachloride	8260C	14.6	20.0	73	51-123
Chlorobenzene	8260C	16.4	20.0	82	79-115
Chloroethane	8260C	16.4	20.0	82	10-140
Chloroform	8260C	18.6	20.0	93	76-115
Chloromethane	8260C	19.3	20.0	96	10-131
Cyclohexane	8260C	19.4	20.0	97	67-122
Dibromochloromethane	8260C	18.2	20.0	91	68-121

Client: KAS Inc.
Project: Keeseville and Chesterfield/407125025 - Weld Shop
Sample Matrix: Soil

Service Request: R1810655
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1812330-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	17.0	20.0	85	51-144
Dichloromethane	8260C	19.8	20.0	99	72-118
Ethylbenzene	8260C	14.9	20.0	75	64-118
Isopropylbenzene (Cumene)	8260C	13.5	20.0	67	60-123
Methyl Acetate	8260C	20.4	20.0	102	31-122
Methyl tert-Butyl Ether	8260C	18.7	20.0	93	76-118
Methylcyclohexane	8260C	20.5	20.0	103	70-124
Styrene	8260C	16.6	20.0	83	74-117
Tetrachloroethene (PCE)	8260C	13.8	20.0	69	58-124
Toluene	8260C	16.4	20.0	82	72-116
Trichloroethene (TCE)	8260C	16.8	20.0	84	69-118
Trichlorofluoromethane (CFC 11)	8260C	15.5	20.0	77	52-127
Vinyl Chloride	8260C	17.8	20.0	89	59-153
cis-1,2-Dichloroethene	8260C	18.2	20.0	91	79-113
cis-1,3-Dichloropropene	8260C	19.2	20.0	96	66-117
m,p-Xylenes	8260C	30.2	40.0	76	68-118
o-Xylene	8260C	15.8	20.0	79	71-116
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-114
trans-1,3-Dichloropropene	8260C	19.9	20.0	99	57-135

QA/QC Report

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop **Date Analyzed:** 11/09/18
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1812411-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.0	20.0	90	68-123
1,1,2,2-Tetrachloroethane	8260C	20.5	20.0	102	78-121
1,1,2-Trichloroethane	8260C	19.3	20.0	96	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	22.5	20.0	113	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	21.2	20.0	106	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	20.7	20.0	103	65-115
1,2,3-Trichlorobenzene	8260C	20.0	20.0	100	60-128
1,2,4-Trichlorobenzene	8260C	19.7	20.0	99	62-130
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.9	20.0	84	54-135
1,2-Dibromoethane	8260C	17.9	20.0	89	77-117
1,2-Dichlorobenzene	8260C	18.2	20.0	91	75-116
1,2-Dichloroethane	8260C	19.5	20.0	98	74-116
1,2-Dichloropropane	8260C	20.5	20.0	102	79-112
1,3-Dichlorobenzene	8260C	17.9	20.0	89	72-118
1,4-Dichlorobenzene	8260C	17.2	20.0	86	72-117
1,4-Dioxane	8260C	424	400	106	59-147
2-Butanone (MEK)	8260C	24.4	20.0	122	67-129
2-Hexanone	8260C	22.2	20.0	111	68-118
4-Methyl-2-pentanone	8260C	22.3	20.0	112	64-123
Acetone	8260C	23.3	20.0	116	32-154
Benzene	8260C	19.9	20.0	99	77-114
Bromochloromethane	8260C	17.5	20.0	87	78-117
Bromodichloromethane	8260C	16.1	20.0	81	72-118
Bromoform	8260C	15.4	20.0	77	55-134
Bromomethane	8260C	7.42	20.0	37	10-150
Carbon Disulfide	8260C	15.0	20.0	75	44-139
Carbon Tetrachloride	8260C	15.4	20.0	77	51-123
Chlorobenzene	8260C	18.1	20.0	90	79-115
Chloroethane	8260C	7.62	20.0	38	10-140
Chloroform	8260C	19.3	20.0	96	76-115
Chloromethane	8260C	21.9	20.0	110	10-131
Cyclohexane	8260C	20.6	20.0	103	67-122
Dibromochloromethane	8260C	15.6	20.0	78	68-121

Client: KAS Inc.
Project: Keeseville and Chesterfield/407125025 - Weld Shop
Sample Matrix: Soil

Service Request: R1810655
Date Analyzed: 11/09/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1812411-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	25.0	20.0	125	51-144
Dichloromethane	8260C	20.0	20.0	100	72-118
Ethylbenzene	8260C	19.0	20.0	95	64-118
Isopropylbenzene (Cumene)	8260C	19.1	20.0	96	60-123
Methyl Acetate	8260C	29.7	20.0	149 *	31-122
Methyl tert-Butyl Ether	8260C	20.3	20.0	101	76-118
Methylcyclohexane	8260C	22.4	20.0	112	70-124
Styrene	8260C	19.2	20.0	96	74-117
Tetrachloroethene (PCE)	8260C	18.5	20.0	92	58-124
Toluene	8260C	19.1	20.0	96	72-116
Trichloroethene (TCE)	8260C	17.9	20.0	89	69-118
Trichlorofluoromethane (CFC 11)	8260C	14.0	20.0	70	52-127
Vinyl Chloride	8260C	19.8	20.0	99	59-153
cis-1,2-Dichloroethene	8260C	18.9	20.0	94	79-113
cis-1,3-Dichloropropene	8260C	17.4	20.0	87	66-117
m,p-Xylenes	8260C	37.6	40.0	94	68-118
o-Xylene	8260C	19.0	20.0	95	71-116
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	73-114
trans-1,3-Dichloropropene	8260C	17.5	20.0	88	57-135

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: KAS Inc. **Service Request:** R1810655

Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3541

Sample Name	Lab Code	2,4,6-Tribromophenol 10-109	2-Fluorobiphenyl 10-102	2-Fluorophenol 10-88
SB-1	R1810655-001	44	47	48
SB-2	R1810655-002	32	32	31
SB-3	R1810655-003	51	40	44
SB-4	R1810655-004	38	53	48
SB-5	R1810655-005	16	17	16
SB-6	R1810655-006	38	38	39
SB-7	R1810655-007	39	33	42
SB-8	R1810655-008	42	36	41
SB-9	R1810655-009	30	26	33
SB-10	R1810655-010	40	37	39
DUPE-1	R1810655-011	32	29	33
Method Blank	RQ1812222-01	48	52	53
Lab Control Sample	RQ1812222-02	55	53	50
Duplicate Lab Control Sample	RQ1812222-03	68	73	68
DUPE-1 MS	RQ1812222-04	41	37	34
DUPE-1 DMS	RQ1812222-05	45	35	33

Client: KAS Inc. **Service Request:** R1810655

Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3541

Sample Name	Lab Code	Nitrobenzene-d5 10-95	Phenol-d6 10-145	Terphenyl-d14 10-106
SB-1	R1810655-001	45	47	65
SB-2	R1810655-002	30	32	56
SB-3	R1810655-003	41	44	74
SB-4	R1810655-004	47	45	66
SB-5	R1810655-005	15	16	25
SB-6	R1810655-006	36	41	65
SB-7	R1810655-007	36	41	67
SB-8	R1810655-008	37	41	68
SB-9	R1810655-009	29	34	64
SB-10	R1810655-010	35	38	61
DUPE-1	R1810655-011	28	34	63
Method Blank	RQ1812222-01	50	52	68
Lab Control Sample	RQ1812222-02	51	51	75
Duplicate Lab Control Sample	RQ1812222-03	71	70	86
DUPE-1 MS	RQ1812222-04	33	35	59
DUPE-1 DMS	RQ1812222-05	31	34	62

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18
Sample Matrix:	Soil	**Date Received:**	11/02/18
		Date Analyzed:	11/19/18
		Date Extracted:	11/7/18

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3541		

		Matrix Spike			Duplicate Matrix Spike					
		RQ1812222-04			RQ1812222-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	ND U	684	2050	33	704	2050	34	10-115	3	30
2,3,4,6-Tetrachlorophenol	ND U	738	2040	36	865	2050	42	10-123	15	30
2,4,5-Trichlorophenol	ND U	799	2040	39	941	2050	46	12-109	16	30
2,4,6-Trichlorophenol	ND U	757	2040	37	848	2050	41	13-149	10	30
2,4-Dichlorophenol	ND U	779	2040	38	774	2050	38	16-98	<1	30
2,4-Dimethylphenol	ND U	837	2040	41	838	2050	41	10-98	<1	30
2,4-Dinitrophenol	ND U	241 J	2040	12	331 J	2050	16	10-129	29	30
2,4-Dinitrotoluene	ND U	987	2040	48	1140	2050	56	10-124	15	30
2,6-Dinitrotoluene	ND U	902	2040	44	1080	2050	53	13-112	19	30
2-Chloronaphthalene	ND U	782	2040	38	804	2050	39	10-94	3	30
2-Chlorophenol	ND U	696	2040	34	703	2050	34	14-99	<1	30
2-Methylnaphthalene	ND U	731	2040	36	702	2050	34	10-90	6	30
2-Methylphenol	ND U	727	2040	36	722	2050	35	10-86	3	30
2-Nitroaniline	ND U	885 J	2040	43	986 J	2050	48	10-109	11	30
2-Nitrophenol	ND U	706	2040	35	669	2050	33	10-90	6	30
3,3'-Dichlorobenzidine	ND U	1140	2040	56	1160	2050	57	10-118	2	30
3- and 4-Methylphenol Coelution	ND U	744	2040	36	727	2050	36	11-101	<1	30
3-Nitroaniline	ND U	861 J	2040	42	941 J	2050	46	10-104	9	30
4,6-Dinitro-2-methylphenol	ND U	425 J	2040	21	553 J	2050	27	10-123	25	30
4-Bromophenyl Phenyl Ether	ND U	1130	2040	56	1380	2050	67	10-99	18	30
4-Chloro-3-methylphenol	ND U	820	2040	40	922	2050	45	10-108	12	30
4-Chloroaniline	ND U	714	2040	35	712	2050	35	10-91	<1	30
4-Chlorophenyl Phenyl Ether	ND U	945	2040	46	1140	2050	56	10-95	20	30
4-Nitroaniline	ND U	938 J	2040	46	1080 J	2050	53	10-137	14	30
4-Nitrophenol	ND U	541 J	2040	27	682 J	2050	33	10-130	20	30
Acenaphthene	ND U	830	2040	41	882	2050	43	10-100	5	30
Acenaphthylene	ND U	868	2040	43	944	2050	46	10-102	7	30
Acetophenone	ND U	1250	4080	31	1240	4090	30	12-99	3	30
Anthracene	ND U	1080	2040	53	1220	2050	60	10-129	12	30
Atrazine	ND U	1570	2040	77	1780	2050	87	15-133	12	30
Benz(a)anthracene	ND U	1230	2040	61	1300	2050	63	10-122	3	30
Benzaldehyde	ND U	801 J	2040	39	758 J	2050	37	10-103	5	30
Benzo(a)pyrene	ND U	1270	2040	63	1320	2050	64	10-122	2	30
Benzo(b)fluoranthene	ND U	1130	2040	55	1180	2050	58	10-112	5	30
Benzo(g,h,i)perylene	ND U	1460	2040	72	1510	2050	74	10-136	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18
Sample Matrix:	Soil	**Date Received:**	11/02/18
		Date Analyzed:	11/19/18
		Date Extracted:	11/7/18

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	DUPE-1	**Units:**	ug/Kg
Lab Code:	R1810655-011	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3541		

		Matrix Spike			Duplicate Matrix Spike					
		RQ1812222-04			RQ1812222-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(k)fluoranthene	ND U	1260	2040	62	1280	2050	63	10-112	2	30
Biphenyl	ND U	750	2040	37	783	2050	38	10-99	3	30
2,2'-Oxybis(1-chloropropane)	ND U	858	2040	42	815	2050	40	10-87	5	30
Bis(2-chloroethoxy)methane	ND U	832	2040	41	794	2050	39	16-93	5	30
Bis(2-chloroethyl) Ether	ND U	703	2040	34	693	2050	34	10-79	<1	30
Bis(2-ethylhexyl) Phthalate	ND U	1110	2040	54	1180	2050	58	10-116	7	30
Butyl Benzyl Phthalate	ND U	1080	2040	53	1150	2050	56	10-128	6	30
Caprolactam	ND U	950	2040	47	1100	2050	54	10-112	14	30
Carbazole	ND U	1240	2040	61	1400	2050	69	10-138	12	30
Chrysene	ND U	1300	2040	64	1350	2050	66	10-113	3	30
Di-n-butyl Phthalate	ND U	1180	2040	58	1340	2050	65	10-119	11	30
Di-n-octyl Phthalate	ND U	1100	2040	54	1160	2050	57	10-121	5	30
Dibenz(a,h)anthracene	ND U	1120	2040	55	1180	2050	58	10-130	5	30
Dibenzofuran	ND U	865	2040	42	990	2050	48	10-102	13	30
Diethyl Phthalate	ND U	879	2040	43	980	2050	48	10-101	11	30
Dimethyl Phthalate	ND U	912	2040	45	1030	2050	51	10-113	13	30
Fluoranthene	ND U	1290	2040	63	1410	2050	69	10-125	9	30
Fluorene	ND U	904	2040	44	1020	2050	50	10-109	13	30
Hexachlorobenzene	ND U	1100	2040	54	1320	2050	65	10-106	18	30
Hexachlorobutadiene	ND U	666	2040	33	626	2050	31	10-142	6	30
Hexachlorocyclopentadiene	ND U	330 J	2040	16	389 J	2050	19	10-133	17	30
Hexachloroethane	ND U	503	2040	25	462	2050	23	10-129	8	30
Indeno(1,2,3-cd)pyrene	ND U	1350	2040	66	1420	2050	69	10-124	4	30
Isophorone	ND U	793	2040	39	808	2050	39	10-81	<1	30
N-Nitrosodi-n-propylamine	ND U	681	2040	33	670	2050	33	10-76	<1	30
N-Nitrosodiphenylamine	ND U	1130	2040	55	1350	2050	66	10-114	18	30
Naphthalene	ND U	708	2040	35	680	2050	33	10-89	6	30
Nitrobenzene	ND U	739	2040	36	665	2050	32	10-77	12	30
Pentachlorophenol (PCP)	ND U	536 J	2040	26	736 J	2050	36	10-118	32*	30
Phenanthrene	ND U	1060	2040	52	1180	2050	58	10-137	11	30
Phenol	ND U	708	2040	35	707	2050	35	10-144	<1	30
Pyrene	ND U	1200	2040	59	1270	2050	62	10-118	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812222-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	330	96	1	11/18/18 19:27	11/7/18	
2,3,4,6-Tetrachlorophenol	ND U	330	82	1	11/18/18 19:27	11/7/18	
2,4,5-Trichlorophenol	ND U	330	82	1	11/18/18 19:27	11/7/18	
2,4,6-Trichlorophenol	ND U	330	86	1	11/18/18 19:27	11/7/18	
2,4-Dichlorophenol	ND U	330	68	1	11/18/18 19:27	11/7/18	
2,4-Dimethylphenol	ND U	330	63	1	11/18/18 19:27	11/7/18	
2,4-Dinitrophenol	ND U	1700	62	1	11/18/18 19:27	11/7/18	
2,4-Dinitrotoluene	ND U	330	86	1	11/18/18 19:27	11/7/18	
2,6-Dinitrotoluene	ND U	330	120	1	11/18/18 19:27	11/7/18	
2-Chloronaphthalene	ND U	330	73	1	11/18/18 19:27	11/7/18	
2-Chlorophenol	ND U	330	80	1	11/18/18 19:27	11/7/18	
2-Methylnaphthalene	ND U	330	74	1	11/18/18 19:27	11/7/18	
2-Methylphenol	ND U	330	80	1	11/18/18 19:27	11/7/18	
2-Nitroaniline	ND U	1700	95	1	11/18/18 19:27	11/7/18	
2-Nitrophenol	ND U	330	75	1	11/18/18 19:27	11/7/18	
3,3'-Dichlorobenzidine	ND U	330	110	1	11/18/18 19:27	11/7/18	
3- and 4-Methylphenol Coelution	ND U	330	83	1	11/18/18 19:27	11/7/18	
3-Nitroaniline	ND U	1700	72	1	11/18/18 19:27	11/7/18	
4,6-Dinitro-2-methylphenol	ND U	1700	72	1	11/18/18 19:27	11/7/18	
4-Bromophenyl Phenyl Ether	ND U	330	94	1	11/18/18 19:27	11/7/18	
4-Chloro-3-methylphenol	ND U	330	75	1	11/18/18 19:27	11/7/18	
4-Chloroaniline	ND U	330	40	1	11/18/18 19:27	11/7/18	
4-Chlorophenyl Phenyl Ether	ND U	330	79	1	11/18/18 19:27	11/7/18	
4-Nitroaniline	ND U	1700	73	1	11/18/18 19:27	11/7/18	
4-Nitrophenol	ND U	1700	200	1	11/18/18 19:27	11/7/18	
Acenaphthene	ND U	330	73	1	11/18/18 19:27	11/7/18	
Acenaphthylene	ND U	330	68	1	11/18/18 19:27	11/7/18	
Acetophenone	ND U	330	77	1	11/18/18 19:27	11/7/18	
Anthracene	ND U	330	64	1	11/18/18 19:27	11/7/18	
Atrazine	ND U	330	89	1	11/18/18 19:27	11/7/18	
Benz(a)anthracene	ND U	330	58	1	11/18/18 19:27	11/7/18	
Benzaldehyde	ND U	1700	79	1	11/18/18 19:27	11/7/18	
Benzo(a)pyrene	ND U	330	67	1	11/18/18 19:27	11/7/18	
Benzo(b)fluoranthene	ND U	330	60	1	11/18/18 19:27	11/7/18	
Benzo(g,h,i)perylene	ND U	330	75	1	11/18/18 19:27	11/7/18	
Benzo(k)fluoranthene	ND U	330	74	1	11/18/18 19:27	11/7/18	
Biphenyl	ND U	330	77	1	11/18/18 19:27	11/7/18	
2,2'-Oxybis(1-chloropropane)	ND U	330	81	1	11/18/18 19:27	11/7/18	
Bis(2-chloroethoxy)methane	ND U	330	76	1	11/18/18 19:27	11/7/18	
Bis(2-chloroethyl) Ether	ND U	330	60	1	11/18/18 19:27	11/7/18	
Bis(2-ethylhexyl) Phthalate	ND U	500	460	1	11/18/18 19:27	11/7/18	
Butyl Benzyl Phthalate	ND U	330	63	1	11/18/18 19:27	11/7/18	
Caprolactam	ND U	330	74	1	11/18/18 19:27	11/7/18	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812222-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	330	82	1	11/18/18 19:27	11/7/18	
Chrysene	ND U	330	65	1	11/18/18 19:27	11/7/18	
Di-n-butyl Phthalate	ND U	330	110	1	11/18/18 19:27	11/7/18	
Di-n-octyl Phthalate	ND U	330	99	1	11/18/18 19:27	11/7/18	
Dibenz(a,h)anthracene	ND U	330	60	1	11/18/18 19:27	11/7/18	
Dibenzofuran	ND U	330	68	1	11/18/18 19:27	11/7/18	
Diethyl Phthalate	ND U	330	180	1	11/18/18 19:27	11/7/18	
Dimethyl Phthalate	ND U	330	91	1	11/18/18 19:27	11/7/18	
Fluoranthene	ND U	330	78	1	11/18/18 19:27	11/7/18	
Fluorene	ND U	330	83	1	11/18/18 19:27	11/7/18	
Hexachlorobenzene	ND U	330	77	1	11/18/18 19:27	11/7/18	
Hexachlorobutadiene	ND U	330	56	1	11/18/18 19:27	11/7/18	
Hexachlorocyclopentadiene	ND U	330	55	1	11/18/18 19:27	11/7/18	
Hexachloroethane	ND U	330	58	1	11/18/18 19:27	11/7/18	
Indeno(1,2,3-cd)pyrene	ND U	330	73	1	11/18/18 19:27	11/7/18	
Isophorone	ND U	330	71	1	11/18/18 19:27	11/7/18	
N-Nitrosodi-n-propylamine	ND U	330	60	1	11/18/18 19:27	11/7/18	
N-Nitrosodiphenylamine	ND U	330	150	1	11/18/18 19:27	11/7/18	
Naphthalene	ND U	330	68	1	11/18/18 19:27	11/7/18	
Nitrobenzene	ND U	330	68	1	11/18/18 19:27	11/7/18	
Pentachlorophenol (PCP)	ND U	1700	110	1	11/18/18 19:27	11/7/18	
Phenanthrene	ND U	330	69	1	11/18/18 19:27	11/7/18	
Phenol	ND U	330	72	1	11/18/18 19:27	11/7/18	
Pyrene	ND U	330	65	1	11/18/18 19:27	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	48	10 - 109	11/18/18 19:27	
2-Fluorobiphenyl	52	10 - 102	11/18/18 19:27	
2-Fluorophenol	53	10 - 88	11/18/18 19:27	
Nitrobenzene-d5	50	10 - 95	11/18/18 19:27	
Phenol-d6	52	10 - 145	11/18/18 19:27	
Terphenyl-d14	68	10 - 106	11/18/18 19:27	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/Kg	Q
	unknown	3.32	18000	J

QA/QC Report

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop **Date Analyzed:** 11/18/18
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1812222-02			RQ1812222-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	766	1670	46	1150	1670	69	10-115	40*	30
2,3,4,6-Tetrachlorophenol	8270D	842	1670	51	1030	1670	62	29-100	19	30
2,4,5-Trichlorophenol	8270D	936	1670	56	1240	1670	74	29-97	28	30
2,4,6-Trichlorophenol	8270D	909	1670	55	1210	1670	73	26-97	28	30
2,4-Dichlorophenol	8270D	899	1670	54	1270	1670	76	25-90	34*	30
2,4-Dimethylphenol	8270D	952	1670	57	1310	1670	78	26-89	31*	30
2,4-Dinitrophenol	8270D	337 J	1670	20	356 J	1670	21	10-128	5	30
2,4-Dinitrotoluene	8270D	1130	1670	68	1320	1670	79	30-111	15	30
2,6-Dinitrotoluene	8270D	1030	1670	62	1330	1670	79	28-105	24	30
2-Chloronaphthalene	8270D	896	1670	54	1240	1670	74	21-88	31*	30
2-Chlorophenol	8270D	829	1670	50	1130	1670	68	18-87	31*	30
2-Methylnaphthalene	8270D	883	1670	53	1210	1670	73	21-83	32*	30
2-Methylphenol	8270D	840	1670	50	1200	1670	72	22-86	36*	30
2-Nitroaniline	8270D	995 J	1670	60	1290 J	1670	78	27-105	26	30
2-Nitrophenol	8270D	859	1670	52	1240	1670	74	20-88	35*	30
3- and 4-Methylphenol Coelution	8270D	862	1670	52	1130	1670	68	27-92	27	30
3-Nitroaniline	8270D	964 J	1670	58	1140 J	1670	69	27-98	17	30
4,6-Dinitro-2-methylphenol	8270D	644 J	1670	39	703 J	1670	42	11-96	7	30
4-Bromophenyl Phenyl Ether	8270D	1290	1670	78	1600	1670	96	25-96	21	30
4-Chloro-3-methylphenol	8270D	963	1670	58	1300	1670	78	29-92	29	30
4-Chloroaniline	8270D	775	1670	46	1030	1670	62	21-72	30	30
4-Chlorophenyl Phenyl Ether	8270D	1070	1670	64	1380	1670	83	25-92	26	30
4-Nitroaniline	8270D	1030 J	1670	62	1240 J	1670	74	27-102	18	30
4-Nitrophenol	8270D	735 J	1670	44	873 J	1670	52	10-130	17	30
Acenaphthene	8270D	923	1670	55	1240	1670	74	25-92	29	30
Acenaphthylene	8270D	993	1670	60	1330	1670	80	27-93	29	30
Acetophenone	8270D	1440	3330	43	2020	3330	61	23-87	35*	30
Anthracene	8270D	1210	1670	73	1470	1670	88	32-106	19	30
Benz(a)anthracene	8270D	1200	1670	72	1380	1670	83	33-109	14	30
Benzo(a)pyrene	8270D	1260	1670	76	1430	1670	86	34-115	12	30
Benzo(b)fluoranthene	8270D	1110	1670	67	1290	1670	77	31-107	14	30
Benzo(g,h,i)perylene	8270D	1440	1670	86	1590	1670	96	30-127	11	30
Benzo(k)fluoranthene	8270D	1240	1670	75	1380	1670	83	34-111	10	30

Client: KAS Inc. **Service Request:** R1810655
Project: Keeseville and Chesterfield/407125025 - Weld Shop **Date Analyzed:** 11/18/18
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1812222-02			RQ1812222-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	837	1670	50	1190	1670	71	26-88	35*	30
2,2'-Oxybis(1-chloropropane)	8270D	1040	1670	62	1460	1670	88 *	10-82	35*	30
Bis(2-chloroethoxy)methane	8270D	967	1670	58	1330	1670	80	17-85	32*	30
Bis(2-chloroethyl) Ether	8270D	845	1670	51	1180	1670	71	10-79	33*	30
Bis(2-ethylhexyl) Phthalate	8270D	1120	1670	67	1310	1670	78	31-115	15	30
Butyl Benzyl Phthalate	8270D	1090	1670	65	1280	1670	77	31-115	17	30
Caprolactam	8270D	1080	1670	65	1260	1670	76	28-99	16	30
Carbazole	8270D	1340	1670	80	1510	1670	91	23-129	13	30
Chrysene	8270D	1260	1670	76	1440	1670	87	34-108	13	30
Di-n-butyl Phthalate	8270D	1250	1670	75	1460	1670	87	33-114	15	30
Di-n-octyl Phthalate	8270D	1100	1670	66	1220	1670	73	32-116	10	30
Dibenz(a,h)anthracene	8270D	1160	1670	69	1310	1670	78	23-122	12	30
Dibenzofuran	8270D	986	1670	59	1260	1670	76	27-94	25	30
Diethyl Phthalate	8270D	923	1670	55	1070	1670	64	26-101	15	30
Dimethyl Phthalate	8270D	1010	1670	60	1230	1670	74	27-98	21	30
Fluoranthene	8270D	1340	1670	81	1540	1670	92	34-111	13	30
Fluorene	8270D	988	1670	59	1270	1670	76	27-95	25	30
Hexachlorobenzene	8270D	1220	1670	73	1490	1670	90	30-104	21	30
Hexachlorobutadiene	8270D	875	1670	52	1270	1670	76	10-142	38*	30
Hexachlorocyclopentadiene	8270D	621	1670	37	845	1670	51	10-133	32*	30
Hexachloroethane	8270D	693	1670	42	954	1670	57	10-129	30	30
Indeno(1,2,3-cd)pyrene	8270D	1310	1670	79	1490	1670	90	33-121	13	30
Isophorone	8270D	930	1670	56	1280	1670	77	21-79	32*	30
N-Nitrosodi-n-propylamine	8270D	805	1670	48	1070	1670	64	15-78	29	30
N-Nitrosodiphenylamine	8270D	1260	1670	76	1530	1670	92	29-108	19	30
Naphthalene	8270D	860	1670	52	1220	1670	73	18-81	34*	30
Nitrobenzene	8270D	842	1670	51	1170	1670	70	14-80	31*	30
Pentachlorophenol (PCP)	8270D	727 J	1670	44	882 J	1670	53	13-117	19	30
Phenanthrene	8270D	1170	1670	70	1380	1670	83	33-103	17	30
Phenol	8270D	840	1670	50	1130	1670	68	10-144	31*	30
Pyrene	8270D	1230	1670	74	1410	1670	85	33-111	14	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Client: KAS Inc. **Service Request:** R1810655

Project: Keeseville and Chesterfield/407125025 - Weld Shop

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3541

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
SB-1	R1810655-001	85	30
SB-2	R1810655-002	114	44
SB-3	R1810655-003	114	34
SB-4	R1810655-004	94	98
SB-5	R1810655-005	94	36
SB-6	R1810655-006	52	22
SB-7	R1810655-007	96	33
SB-8	R1810655-008	95	28
SB-9	R1810655-009	114	39
SB-10	R1810655-010	97	33
DUPE-1	R1810655-011	106	39
Method Blank	RQ1812140-01	91	37
Method Blank	RQ1812223-01	102	85
Lab Control Sample	RQ1812140-02	91	30
Duplicate Lab Control Sample	RQ1812140-03	95	47
Lab Control Sample	RQ1812223-02	83	42
Duplicate Lab Control Sample	RQ1812223-03	100	88
SB-5 MS	RQ1812140-04	94	32
SB-5 DMS	RQ1812140-05	70	28
SB-10 MS	RQ1812223-04	101	21
SB-10 DMS	RQ1812223-05	94	24

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18
Sample Matrix:	Soil	**Date Received:**	11/02/18
		Date Analyzed:	11/15/18
		Date Extracted:	11/6/18

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	SB-5	**Units:**	ug/Kg
Lab Code:	R1810655-005	**Basis:**	Dry
Analysis Method:	8082A		
Prep Method:	EPA 3541		

		Matrix Spike RQ1812140-04			Duplicate Matrix Spike RQ1812140-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND U	98.1	183	54	96.8	185	52	26-137	1	30
Aroclor 1260	ND U	165	183	90	126	185	68	30-156	27	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18
Sample Matrix:	Soil	**Date Received:**	11/02/18
		Date Analyzed:	11/16/18
		Date Extracted:	11/7/18

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	SB-10	**Units:**	ug/Kg
Lab Code:	R1810655-010	**Basis:**	Dry
Analysis Method:	8082A		
Prep Method:	EPA 3541		

		Matrix Spike RQ1812223-04			Duplicate Matrix Spike RQ1812223-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND U	67.9	198	34	79.0	198	40	26-137	15	30
Aroclor 1260	ND U	172	198	87	171	198	86	30-156	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812140-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	33	17	1	11/15/18 21:56	11/6/18	
Aroclor 1221	ND U	67	33	1	11/15/18 21:56	11/6/18	
Aroclor 1232	ND U	33	20	1	11/15/18 21:56	11/6/18	
Aroclor 1242	ND U	33	17	1	11/15/18 21:56	11/6/18	
Aroclor 1248	ND U	33	26	1	11/15/18 21:56	11/6/18	
Aroclor 1254	ND U	33	19	1	11/15/18 21:56	11/6/18	
Aroclor 1260	ND U	33	17	1	11/15/18 21:56	11/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	91	22 - 128	11/15/18 21:56	
Tetrachloro-m-xylene	37	14 - 119	11/15/18 21:56	

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project:	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1812223-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	ND U	33	17	1	11/16/18 14:18	11/7/18	
Aroclor 1221	ND U	67	33	1	11/16/18 14:18	11/7/18	
Aroclor 1232	ND U	33	20	1	11/16/18 14:18	11/7/18	
Aroclor 1242	ND U	33	17	1	11/16/18 14:18	11/7/18	
Aroclor 1248	ND U	33	26	1	11/16/18 14:18	11/7/18	
Aroclor 1254	ND U	33	19	1	11/16/18 14:18	11/7/18	
Aroclor 1260	ND U	33	17	1	11/16/18 14:18	11/7/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	102	22 - 128	11/16/18 14:18	
Tetrachloro-m-xylene	85	14 - 119	11/16/18 14:18	

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QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield/407125025 - Weld Shop
Sample Matrix: Soil

Service Request: R1810655
Date Analyzed: 11/15/18

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis: Dry

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1812140-02			RQ1812140-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	97.2	167	58	127	167	76	41-127	27	30
Aroclor 1260	8082A	141	167	84	154	167	92	49-135	9	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield/407125025 - Weld Shop
Sample Matrix: Soil

Service Request: R1810655
Date Analyzed: 11/16/18

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ1812223-02		RQ1812223-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	85.5	167	51	151	167	91	41-127	55*	30
Aroclor 1260	8082A	127	167	76	163	167	98	49-135	24	30

General Chemistry

ALS Environmental—Rochester Laboratory
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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	KAS Inc.	**Service Request:**	R1810655
Project	Keeseville and Chesterfield/407125025 - Weld Shop	**Date Collected:**	10/31/18
Sample Matrix:	Soil	**Date Received:**	11/02/18
		Date Analyzed:	11/05/18

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	SB-8	**Units:**	Percent
Lab Code:	R1810655-008	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1810655-008DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	90.9	90.2	90.6	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

December 10, 2018 Service Request No:R1811634

Mr. Aaron Roth
KAS Inc.
13 Latour Ave
Suite 204
Plattsburgh, NY 12901

Laboratory Results for: Keeseville and Chesterfield

Dear Mr.Roth,

Enclosed are the results of the sample(s) submitted to our laboratory November 30, 2018
For your reference, these analyses have been assigned our service request number **R1811634.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

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dba ALS Environmental

Narrative Documents

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Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Received: 11/30/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 11/30/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Semivolatiles by GC/MS:

Method 8270D, 12/05/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Volatiles by GC/MS:

Method 8260C, 12/05/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by  Date 12/10/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-1			Lab ID: R1811634-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	3.5	J	2.1	10	ug/L	8260C

CLIENT ID: MW-3			Lab ID: R1811634-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	3.3	J	2.1	10	ug/L	8260C

CLIENT ID: MW-5			Lab ID: R1811634-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	5.1	J	2.1	10	ug/L	8260C
Caprolactam	3.8	J	1.0	9.4	ug/L	8270D

CLIENT ID: MW-7			Lab ID: R1811634-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	4.5	J	2.1	10	ug/L	8260C

CLIENT ID: MW-9			Lab ID: R1811634-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	3.7	J	2.1	10	ug/L	8260C

CLIENT ID: MW-10			Lab ID: R1811634-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	4.8	J	2.1	10	ug/L	8260C
Caprolactam	6.4	J	1.0	9.9	ug/L	8270D

CLIENT ID: DUPE-13			Lab ID: R1811634-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Acetone	4.3	J	2.1	10	ug/L	8260C
Caprolactam	8.3	J	1.0	9.4	ug/L	8270D

Sample Receipt Information

ALS Environmental—Rochester Laboratory
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Client: KAS Inc. **Service Request:**R1811634

Project: Keeseville and Chesterfield

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1811634-001	MW-1	11/27/2018	1249
R1811634-002	MW-3	11/27/2018	1106
R1811634-003	MW-5	11/27/2018	1158
R1811634-004	MW-7	11/27/2018	1156
R1811634-005	MW-8	11/27/2018	1035
R1811634-006	MW-9	11/27/2018	0916
R1811634-007	MW-10	11/27/2018	1245
R1811634-008	DUPE-13	11/27/2018	1158

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# _____

001

T055577

ALS Environmental
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Project Name: Keeseville and Chesterfield
Project Number:
Report To: Aaron Roth
Company / Address: KAS Inc., 13 Latour Ave Suite 204, Plattsburgh NY, 12901
FAX #
Sampler Signature:
Sampler Printed Name: Anthony Harvey / Chris Fuller

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8082A / PCB	7D 8270D / SVO + TICs	14D 8260C / VOC FP + TICs	28D 7470A / Hg Total	28D 7470A / Hg Diss.	180D 6010C / Total Metals	180D 6010C / Diss. Metals	180D ALS SOP / Total Solids					Remarks
MW-1		11/27/18	12:49	GW			X	X										
MW-3			11:06															
MW-5			11:58															
MW-7			11:56															
MW-8			10:35															
MW-9			9:16															
MW-10			12:45															
DUPE-13			11:58															

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
__ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
__ III. Results + QC and Cilibration Summaries
__ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Anthony Harvey	Printed Name: Joshua Douglass	Printed Name: Joshua Douglass	Printed Name: DINA Ayers	Printed Name:	Printed Name: Daniel Ward
Firm: KAS, Inc	Firm: KAS	Firm: KAS	Firm: ALS	Firm:	Firm: ALS
Date/Time: 11/27/18 1600	Date/Time: 11/28/18 1000	Date/Time: 11/28/18 1245	Date/Time: 11/29/18 1245	Date/Time: 11/30/18	Date/Time: 11/30/18/1600

R1811634 5
KAS Inc.
Keeseville and Chesterfield

R1811634 5

KAS Inc. Kesseville and Chesterfield

Cooler Receipt and Preservation Check Form

Project/Client KAS. Folder Number R1811634

Cooler received on 11/30/18 by: MAE

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)
2	**Custody papers** properly completed (ink, signed)?	Y N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	(Y) N

5a	**Perchlorate** samples have required headspace?	Y N (NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	(Y) N NA
6	Where did the bottles originate?	(ALS/ROC) CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 11/30/18 Time: 1615 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	2.4	8.4	4.4	3.1	6.1	6.0	7.4
Correction Factor (°C)	+0.4	~~8.8~~ +0.4	+0.4	+0.4	+0.4	+0.4	+0.4
Corrected Temp (°C)	2.8	8.8	4.8	3.5	6.5	6.4	7.8
Temp from:Type of bottle	Cent	Cent	Cent	Cent	Cent	Cent	Cent
Within 0-6°C?	(Y) N	Y (N)	(Y) N	(Y) N	Y (N)	Y (N)	Y (N)
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: (Ice melted) Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: E-002 by MAE on 11/30 at 1630
5035 samples placed in storage location: ____ by ____ on ____ at ____

Cooler Breakdown/Preservation Check**: Date: 12-3-18 Time: 15:00 by: ME

9.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
10.	Did all bottle labels and tags agree with custody papers?	YES	(NO) – see note on request summary
11.	Were correct containers used for the tests indicated?	(YES)	NO
12.	Were 5035 vials acceptable (no extra labels, not leaking)?	YES	NO
13.	Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized		Tedlar® Bags Inflated (N/A) (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)	#	For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	4117090					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-039-004, 081318-1DK,

Explain all Discrepancies/ Other Comments:

5b: Trip blanks all have 1 vial w/ sig. bubbles.

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: ME

PC Secondary Review: ____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: KAS Inc. **Service Request:** R1811634
Project: Keeseville and Chesterfield

Sample Name: MW-1 **Date Collected:** 11/27/18
Lab Code: R1811634-001 **Date Received:** 11/30/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name: MW-3 **Date Collected:** 11/27/18
Lab Code: R1811634-002 **Date Received:** 11/30/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name: MW-5 **Date Collected:** 11/27/18
Lab Code: R1811634-003 **Date Received:** 11/30/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name: MW-7 **Date Collected:** 11/27/18
Lab Code: R1811634-004 **Date Received:** 11/30/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield		

Sample Name:	MW-8	**Date Collected:**	11/27/18
Lab Code:	R1811634-005	**Date Received:**	11/30/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name:	MW-9	**Date Collected:**	11/27/18
Lab Code:	R1811634-006	**Date Received:**	11/30/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name:	MW-10	**Date Collected:**	11/27/18
Lab Code:	R1811634-007	**Date Received:**	11/30/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

Sample Name:	DUPE-13	**Date Collected:**	11/27/18
Lab Code:	R1811634-008	**Date Received:**	11/30/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:49
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R1811634-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 22:20	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 22:20	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 22:20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 22:20	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 22:20	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 22:20	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 22:20	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 22:20	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 22:20	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 22:20	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 22:20	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 22:20	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 22:20	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 22:20	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 22:20	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 22:20	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 22:20	
2-Hexanone	ND U	10	0.34	1	12/04/18 22:20	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 22:20	
Acetone	**3.5 J**	10	2.1	1	12/04/18 22:20	
Benzene	ND U	5.0	0.20	1	12/04/18 22:20	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 22:20	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 22:20	
Bromoform	ND U	5.0	0.36	1	12/04/18 22:20	
Bromomethane	ND U	5.0	0.70	1	12/04/18 22:20	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 22:20	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 22:20	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 22:20	
Chloroethane	ND U	5.0	0.23	1	12/04/18 22:20	
Chloroform	ND U	5.0	0.28	1	12/04/18 22:20	
Chloromethane	ND U	5.0	0.28	1	12/04/18 22:20	
Cyclohexane	ND U	10	0.31	1	12/04/18 22:20	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 22:20	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 22:20	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 22:20	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 22:20	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 22:20	
Methyl Acetate	ND U	10	0.33	1	12/04/18 22:20	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 22:20	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 22:20	
Styrene	ND U	5.0	0.20	1	12/04/18 22:20	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 22:20	
Toluene	ND U	5.0	0.20	1	12/04/18 22:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:49
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R1811634-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 22:20	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 22:20	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 22:20	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 22:20	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 22:20	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 22:20	
o-Xylene	ND U	5.0	0.20	1	12/04/18 22:20	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 22:20	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 22:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	12/04/18 22:20	
Dibromofluoromethane	96	89 - 119	12/04/18 22:20	
Toluene-d8	105	87 - 121	12/04/18 22:20	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:06
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R1811634-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 22:42	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 22:42	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 22:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 22:42	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 22:42	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 22:42	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 22:42	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 22:42	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 22:42	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 22:42	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 22:42	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 22:42	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 22:42	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 22:42	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 22:42	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 22:42	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 22:42	
2-Hexanone	ND U	10	0.34	1	12/04/18 22:42	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 22:42	
Acetone	**3.3 J**	10	2.1	1	12/04/18 22:42	
Benzene	ND U	5.0	0.20	1	12/04/18 22:42	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 22:42	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 22:42	
Bromoform	ND U	5.0	0.36	1	12/04/18 22:42	
Bromomethane	ND U	5.0	0.70	1	12/04/18 22:42	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 22:42	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 22:42	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 22:42	
Chloroethane	ND U	5.0	0.23	1	12/04/18 22:42	
Chloroform	ND U	5.0	0.28	1	12/04/18 22:42	
Chloromethane	ND U	5.0	0.28	1	12/04/18 22:42	
Cyclohexane	ND U	10	0.31	1	12/04/18 22:42	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 22:42	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 22:42	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 22:42	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 22:42	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 22:42	
Methyl Acetate	ND U	10	0.33	1	12/04/18 22:42	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 22:42	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 22:42	
Styrene	ND U	5.0	0.20	1	12/04/18 22:42	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 22:42	
Toluene	ND U	5.0	0.20	1	12/04/18 22:42	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:06
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R1811634-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 22:42	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 22:42	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 22:42	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 22:42	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 22:42	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 22:42	
o-Xylene	ND U	5.0	0.20	1	12/04/18 22:42	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 22:42	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 22:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	12/04/18 22:42	
Dibromofluoromethane	97	89 - 119	12/04/18 22:42	
Toluene-d8	108	87 - 121	12/04/18 22:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R1811634-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 23:03	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 23:03	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 23:03	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 23:03	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 23:03	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 23:03	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 23:03	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 23:03	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 23:03	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 23:03	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:03	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 23:03	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 23:03	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:03	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 23:03	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 23:03	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 23:03	
2-Hexanone	ND U	10	0.34	1	12/04/18 23:03	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 23:03	
Acetone	**5.1 J**	10	2.1	1	12/04/18 23:03	
Benzene	ND U	5.0	0.20	1	12/04/18 23:03	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 23:03	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 23:03	
Bromoform	ND U	5.0	0.36	1	12/04/18 23:03	
Bromomethane	ND U	5.0	0.70	1	12/04/18 23:03	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 23:03	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 23:03	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 23:03	
Chloroethane	ND U	5.0	0.23	1	12/04/18 23:03	
Chloroform	ND U	5.0	0.28	1	12/04/18 23:03	
Chloromethane	ND U	5.0	0.28	1	12/04/18 23:03	
Cyclohexane	ND U	10	0.31	1	12/04/18 23:03	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 23:03	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 23:03	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 23:03	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 23:03	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 23:03	
Methyl Acetate	ND U	10	0.33	1	12/04/18 23:03	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 23:03	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 23:03	
Styrene	ND U	5.0	0.20	1	12/04/18 23:03	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 23:03	
Toluene	ND U	5.0	0.20	1	12/04/18 23:03	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R1811634-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 23:03	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 23:03	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 23:03	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:03	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:03	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 23:03	
o-Xylene	ND U	5.0	0.20	1	12/04/18 23:03	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:03	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	12/04/18 23:03	
Dibromofluoromethane	96	89 - 119	12/04/18 23:03	
Toluene-d8	107	87 - 121	12/04/18 23:03	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:56
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R1811634-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 23:25	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 23:25	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 23:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 23:25	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 23:25	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 23:25	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 23:25	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 23:25	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 23:25	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 23:25	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:25	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 23:25	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 23:25	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:25	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 23:25	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 23:25	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 23:25	
2-Hexanone	ND U	10	0.34	1	12/04/18 23:25	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 23:25	
Acetone	**4.5 J**	10	2.1	1	12/04/18 23:25	
Benzene	ND U	5.0	0.20	1	12/04/18 23:25	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 23:25	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 23:25	
Bromoform	ND U	5.0	0.36	1	12/04/18 23:25	
Bromomethane	ND U	5.0	0.70	1	12/04/18 23:25	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 23:25	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 23:25	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 23:25	
Chloroethane	ND U	5.0	0.23	1	12/04/18 23:25	
Chloroform	ND U	5.0	0.28	1	12/04/18 23:25	
Chloromethane	ND U	5.0	0.28	1	12/04/18 23:25	
Cyclohexane	ND U	10	0.31	1	12/04/18 23:25	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 23:25	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 23:25	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 23:25	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 23:25	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 23:25	
Methyl Acetate	ND U	10	0.33	1	12/04/18 23:25	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 23:25	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 23:25	
Styrene	ND U	5.0	0.20	1	12/04/18 23:25	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 23:25	
Toluene	ND U	5.0	0.20	1	12/04/18 23:25	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:56
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R1811634-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 23:25	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 23:25	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 23:25	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:25	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:25	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 23:25	
o-Xylene	ND U	5.0	0.20	1	12/04/18 23:25	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:25	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	12/04/18 23:25	
Dibromofluoromethane	95	89 - 119	12/04/18 23:25	
Toluene-d8	105	87 - 121	12/04/18 23:25	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 10:35
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R1811634-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 23:47	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 23:47	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 23:47	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 23:47	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 23:47	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 23:47	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 23:47	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 23:47	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 23:47	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 23:47	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:47	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 23:47	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 23:47	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 23:47	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 23:47	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 23:47	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 23:47	
2-Hexanone	ND U	10	0.34	1	12/04/18 23:47	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 23:47	
Acetone	ND U	10	2.1	1	12/04/18 23:47	
Benzene	ND U	5.0	0.20	1	12/04/18 23:47	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 23:47	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 23:47	
Bromoform	ND U	5.0	0.36	1	12/04/18 23:47	
Bromomethane	ND U	5.0	0.70	1	12/04/18 23:47	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 23:47	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 23:47	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 23:47	
Chloroethane	ND U	5.0	0.23	1	12/04/18 23:47	
Chloroform	ND U	5.0	0.28	1	12/04/18 23:47	
Chloromethane	ND U	5.0	0.28	1	12/04/18 23:47	
Cyclohexane	ND U	10	0.31	1	12/04/18 23:47	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 23:47	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 23:47	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 23:47	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 23:47	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 23:47	
Methyl Acetate	ND U	10	0.33	1	12/04/18 23:47	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 23:47	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 23:47	
Styrene	ND U	5.0	0.20	1	12/04/18 23:47	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 23:47	
Toluene	ND U	5.0	0.20	1	12/04/18 23:47	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 10:35
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R1811634-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 23:47	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 23:47	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 23:47	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:47	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:47	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 23:47	
o-Xylene	ND U	5.0	0.20	1	12/04/18 23:47	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 23:47	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 23:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	12/04/18 23:47	
Dibromofluoromethane	94	89 - 119	12/04/18 23:47	
Toluene-d8	106	87 - 121	12/04/18 23:47	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 09:16
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R1811634-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/05/18 00:08	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/05/18 00:08	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/05/18 00:08	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/05/18 00:08	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/05/18 00:08	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/05/18 00:08	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/05/18 00:08	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/05/18 00:08	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/05/18 00:08	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/05/18 00:08	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:08	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/05/18 00:08	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/05/18 00:08	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:08	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/05/18 00:08	
1,4-Dioxane	ND U	100	5.1	1	12/05/18 00:08	
2-Butanone (MEK)	ND U	10	0.78	1	12/05/18 00:08	
2-Hexanone	ND U	10	0.34	1	12/05/18 00:08	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/05/18 00:08	
Acetone	**3.7 J**	10	2.1	1	12/05/18 00:08	
Benzene	ND U	5.0	0.20	1	12/05/18 00:08	
Bromochloromethane	ND U	5.0	0.33	1	12/05/18 00:08	
Bromodichloromethane	ND U	5.0	0.31	1	12/05/18 00:08	
Bromoform	ND U	5.0	0.36	1	12/05/18 00:08	
Bromomethane	ND U	5.0	0.70	1	12/05/18 00:08	
Carbon Disulfide	ND U	10	0.31	1	12/05/18 00:08	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/05/18 00:08	
Chlorobenzene	ND U	5.0	0.20	1	12/05/18 00:08	
Chloroethane	ND U	5.0	0.23	1	12/05/18 00:08	
Chloroform	ND U	5.0	0.28	1	12/05/18 00:08	
Chloromethane	ND U	5.0	0.28	1	12/05/18 00:08	
Cyclohexane	ND U	10	0.31	1	12/05/18 00:08	
Dibromochloromethane	ND U	5.0	0.20	1	12/05/18 00:08	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/05/18 00:08	
Dichloromethane	ND U	5.0	0.47	1	12/05/18 00:08	
Ethylbenzene	ND U	5.0	0.20	1	12/05/18 00:08	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/05/18 00:08	
Methyl Acetate	ND U	10	0.33	1	12/05/18 00:08	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/05/18 00:08	
Methylcyclohexane	ND U	10	0.35	1	12/05/18 00:08	
Styrene	ND U	5.0	0.20	1	12/05/18 00:08	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/05/18 00:08	
Toluene	ND U	5.0	0.20	1	12/05/18 00:08	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 09:16
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R1811634-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/05/18 00:08	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/05/18 00:08	
Vinyl Chloride	ND U	5.0	0.22	1	12/05/18 00:08	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:08	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:08	
m,p-Xylenes	ND U	5.0	0.21	1	12/05/18 00:08	
o-Xylene	ND U	5.0	0.20	1	12/05/18 00:08	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:08	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	12/05/18 00:08	
Dibromofluoromethane	96	89 - 119	12/05/18 00:08	
Toluene-d8	105	87 - 121	12/05/18 00:08	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:45
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R1811634-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/05/18 00:30	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/05/18 00:30	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/05/18 00:30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/05/18 00:30	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/05/18 00:30	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/05/18 00:30	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/05/18 00:30	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/05/18 00:30	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/05/18 00:30	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/05/18 00:30	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:30	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/05/18 00:30	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/05/18 00:30	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:30	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/05/18 00:30	
1,4-Dioxane	ND U	100	5.1	1	12/05/18 00:30	
2-Butanone (MEK)	ND U	10	0.78	1	12/05/18 00:30	
2-Hexanone	ND U	10	0.34	1	12/05/18 00:30	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/05/18 00:30	
Acetone	**4.8 J**	10	2.1	1	12/05/18 00:30	
Benzene	ND U	5.0	0.20	1	12/05/18 00:30	
Bromochloromethane	ND U	5.0	0.33	1	12/05/18 00:30	
Bromodichloromethane	ND U	5.0	0.31	1	12/05/18 00:30	
Bromoform	ND U	5.0	0.36	1	12/05/18 00:30	
Bromomethane	ND U	5.0	0.70	1	12/05/18 00:30	
Carbon Disulfide	ND U	10	0.31	1	12/05/18 00:30	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/05/18 00:30	
Chlorobenzene	ND U	5.0	0.20	1	12/05/18 00:30	
Chloroethane	ND U	5.0	0.23	1	12/05/18 00:30	
Chloroform	ND U	5.0	0.28	1	12/05/18 00:30	
Chloromethane	ND U	5.0	0.28	1	12/05/18 00:30	
Cyclohexane	ND U	10	0.31	1	12/05/18 00:30	
Dibromochloromethane	ND U	5.0	0.20	1	12/05/18 00:30	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/05/18 00:30	
Dichloromethane	ND U	5.0	0.47	1	12/05/18 00:30	
Ethylbenzene	ND U	5.0	0.20	1	12/05/18 00:30	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/05/18 00:30	
Methyl Acetate	ND U	10	0.33	1	12/05/18 00:30	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/05/18 00:30	
Methylcyclohexane	ND U	10	0.35	1	12/05/18 00:30	
Styrene	ND U	5.0	0.20	1	12/05/18 00:30	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/05/18 00:30	
Toluene	ND U	5.0	0.20	1	12/05/18 00:30	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:45
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R1811634-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/05/18 00:30	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/05/18 00:30	
Vinyl Chloride	ND U	5.0	0.22	1	12/05/18 00:30	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:30	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:30	
m,p-Xylenes	ND U	5.0	0.21	1	12/05/18 00:30	
o-Xylene	ND U	5.0	0.20	1	12/05/18 00:30	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:30	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	12/05/18 00:30	
Dibromofluoromethane	95	89 - 119	12/05/18 00:30	
Toluene-d8	107	87 - 121	12/05/18 00:30	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	DUPE-13	**Units:**	ug/L
Lab Code:	R1811634-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/05/18 00:52	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/05/18 00:52	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/05/18 00:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/05/18 00:52	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/05/18 00:52	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/05/18 00:52	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/05/18 00:52	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/05/18 00:52	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/05/18 00:52	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/05/18 00:52	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:52	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/05/18 00:52	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/05/18 00:52	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/05/18 00:52	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/05/18 00:52	
1,4-Dioxane	ND U	100	5.1	1	12/05/18 00:52	
2-Butanone (MEK)	ND U	10	0.78	1	12/05/18 00:52	
2-Hexanone	ND U	10	0.34	1	12/05/18 00:52	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/05/18 00:52	
Acetone	**4.3 J**	10	2.1	1	12/05/18 00:52	
Benzene	ND U	5.0	0.20	1	12/05/18 00:52	
Bromochloromethane	ND U	5.0	0.33	1	12/05/18 00:52	
Bromodichloromethane	ND U	5.0	0.31	1	12/05/18 00:52	
Bromoform	ND U	5.0	0.36	1	12/05/18 00:52	
Bromomethane	ND U	5.0	0.70	1	12/05/18 00:52	
Carbon Disulfide	ND U	10	0.31	1	12/05/18 00:52	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/05/18 00:52	
Chlorobenzene	ND U	5.0	0.20	1	12/05/18 00:52	
Chloroethane	ND U	5.0	0.23	1	12/05/18 00:52	
Chloroform	ND U	5.0	0.28	1	12/05/18 00:52	
Chloromethane	ND U	5.0	0.28	1	12/05/18 00:52	
Cyclohexane	ND U	10	0.31	1	12/05/18 00:52	
Dibromochloromethane	ND U	5.0	0.20	1	12/05/18 00:52	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/05/18 00:52	
Dichloromethane	ND U	5.0	0.47	1	12/05/18 00:52	
Ethylbenzene	ND U	5.0	0.20	1	12/05/18 00:52	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/05/18 00:52	
Methyl Acetate	ND U	10	0.33	1	12/05/18 00:52	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/05/18 00:52	
Methylcyclohexane	ND U	10	0.35	1	12/05/18 00:52	
Styrene	ND U	5.0	0.20	1	12/05/18 00:52	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/05/18 00:52	
Toluene	ND U	5.0	0.20	1	12/05/18 00:52	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	DUPE-13	**Units:**	ug/L
Lab Code:	R1811634-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/05/18 00:52	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/05/18 00:52	
Vinyl Chloride	ND U	5.0	0.22	1	12/05/18 00:52	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:52	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:52	
m,p-Xylenes	ND U	5.0	0.21	1	12/05/18 00:52	
o-Xylene	ND U	5.0	0.20	1	12/05/18 00:52	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/05/18 00:52	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/05/18 00:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	12/05/18 00:52	
Dibromofluoromethane	95	89 - 119	12/05/18 00:52	
Toluene-d8	107	87 - 121	12/05/18 00:52	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:49
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R1811634-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 19:06	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 19:06	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 19:06	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 19:06	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 19:06	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 19:06	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 19:06	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 19:06	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 19:06	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 19:06	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 19:06	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 19:06	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Caprolactam	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:49
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R1811634-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 19:06	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 19:06	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 19:06	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 19:06	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 19:06	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 19:06	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 19:06	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 19:06	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 19:06	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 19:06	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 19:06	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 19:06	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 19:06	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 19:06	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 19:06	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	35 - 141	12/05/18 19:06	
2-Fluorobiphenyl	81	31 - 118	12/05/18 19:06	
2-Fluorophenol	38	10 - 105	12/05/18 19:06	
Nitrobenzene-d5	72	31 - 110	12/05/18 19:06	
Phenol-d6	26	10 - 107	12/05/18 19:06	
Terphenyl-d14	61	10 - 165	12/05/18 19:06	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:06
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R1811634-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 19:34	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 19:34	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 19:34	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 19:34	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 19:34	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 19:34	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 19:34	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 19:34	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 19:34	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 19:34	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 19:34	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 19:34	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Caprolactam	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:06
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R1811634-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 19:34	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 19:34	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 19:34	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 19:34	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 19:34	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 19:34	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 19:34	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 19:34	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 19:34	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 19:34	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 19:34	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 19:34	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 19:34	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 19:34	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 19:34	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	12/05/18 19:34	
2-Fluorobiphenyl	86	31 - 118	12/05/18 19:34	
2-Fluorophenol	35	10 - 105	12/05/18 19:34	
Nitrobenzene-d5	73	31 - 110	12/05/18 19:34	
Phenol-d6	25	10 - 107	12/05/18 19:34	
Terphenyl-d14	62	10 - 165	12/05/18 19:34	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R1811634-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 20:02	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 20:02	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 20:02	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 20:02	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 20:02	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 20:02	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 20:02	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 20:02	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 20:02	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 20:02	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 20:02	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 20:02	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Caprolactam	**3.8 J**	9.4	1.0	1	12/05/18 20:02	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R1811634-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 20:02	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 20:02	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 20:02	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 20:02	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 20:02	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 20:02	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 20:02	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 20:02	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 20:02	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 20:02	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 20:02	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 20:02	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 20:02	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 20:02	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 20:02	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	12/05/18 20:02	
2-Fluorobiphenyl	82	31 - 118	12/05/18 20:02	
2-Fluorophenol	37	10 - 105	12/05/18 20:02	
Nitrobenzene-d5	71	31 - 110	12/05/18 20:02	
Phenol-d6	26	10 - 107	12/05/18 20:02	
Terphenyl-d14	46	10 - 165	12/05/18 20:02	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:56
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R1811634-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2,4,5-Trichlorophenol	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
2,4,6-Trichlorophenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2,4-Dichlorophenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2,4-Dimethylphenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2,4-Dinitrophenol	ND U	50	2.9	1	12/05/18 20:29	12/4/18	
2,4-Dinitrotoluene	ND U	10	2.7	1	12/05/18 20:29	12/4/18	
2,6-Dinitrotoluene	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
2-Chloronaphthalene	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
2-Chlorophenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2-Methylnaphthalene	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2-Methylphenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
2-Nitroaniline	ND U	50	2.4	1	12/05/18 20:29	12/4/18	
2-Nitrophenol	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
3,3'-Dichlorobenzidine	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
3- and 4-Methylphenol Coelution	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
3-Nitroaniline	ND U	50	1.8	1	12/05/18 20:29	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	50	3.7	1	12/05/18 20:29	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
4-Chloro-3-methylphenol	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
4-Chloroaniline	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	10	1.2	1	12/05/18 20:29	12/4/18	
4-Nitroaniline	ND U	50	1.9	1	12/05/18 20:29	12/4/18	
4-Nitrophenol	ND U	50	3.0	1	12/05/18 20:29	12/4/18	
Acenaphthene	ND U	10	1.6	1	12/05/18 20:29	12/4/18	
Acenaphthylene	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Acetophenone	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Anthracene	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Atrazine	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Benz(a)anthracene	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Benzaldehyde	ND U	50	1.1	1	12/05/18 20:29	12/4/18	
Benzo(a)pyrene	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Benzo(b)fluoranthene	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Benzo(g,h,i)perylene	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
Benzo(k)fluoranthene	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
Biphenyl	ND U	10	1.9	1	12/05/18 20:29	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Bis(2-chloroethoxy)methane	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Bis(2-chloroethyl) Ether	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	10	9.7	1	12/05/18 20:29	12/4/18	
Butyl Benzyl Phthalate	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Caprolactam	ND U	10	1.0	1	12/05/18 20:29	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:56
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R1811634-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Chrysene	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
Di-n-butyl Phthalate	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
Di-n-octyl Phthalate	ND U	10	1.8	1	12/05/18 20:29	12/4/18	
Dibenz(a,h)anthracene	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Dibenzofuran	ND U	10	1.3	1	12/05/18 20:29	12/4/18	
Diethyl Phthalate	ND U	10	1.2	1	12/05/18 20:29	12/4/18	
Dimethyl Phthalate	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
Fluoranthene	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Fluorene	ND U	10	1.6	1	12/05/18 20:29	12/4/18	
Hexachlorobenzene	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Hexachlorobutadiene	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
Hexachlorocyclopentadiene	ND U	10	1.5	1	12/05/18 20:29	12/4/18	
Hexachloroethane	ND U	10	1.2	1	12/05/18 20:29	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	10	1.4	1	12/05/18 20:29	12/4/18	
Isophorone	ND U	10	1.2	1	12/05/18 20:29	12/4/18	
N-Nitrosodi-n-propylamine	ND U	10	2.0	1	12/05/18 20:29	12/4/18	
N-Nitrosodiphenylamine	ND U	10	4.7	1	12/05/18 20:29	12/4/18	
Naphthalene	ND U	10	1.1	1	12/05/18 20:29	12/4/18	
Nitrobenzene	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Pentachlorophenol (PCP)	ND U	50	6.0	1	12/05/18 20:29	12/4/18	
Phenanthrene	ND U	10	1.6	1	12/05/18 20:29	12/4/18	
Phenol	ND U	10	1.0	1	12/05/18 20:29	12/4/18	
Pyrene	ND U	10	1.8	1	12/05/18 20:29	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	88	35 - 141	12/05/18 20:29	
2-Fluorobiphenyl	84	31 - 118	12/05/18 20:29	
2-Fluorophenol	38	10 - 105	12/05/18 20:29	
Nitrobenzene-d5	71	31 - 110	12/05/18 20:29	
Phenol-d6	27	10 - 107	12/05/18 20:29	
Terphenyl-d14	57	10 - 165	12/05/18 20:29	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	18.83	13	J

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 10:35
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R1811634-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 20:57	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 20:57	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 20:57	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 20:57	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 20:57	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 20:57	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 20:57	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 20:57	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 20:57	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 20:57	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 20:57	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 20:57	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Caprolactam	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 10:35
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R1811634-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 20:57	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 20:57	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 20:57	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 20:57	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 20:57	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 20:57	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 20:57	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 20:57	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 20:57	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 20:57	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 20:57	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 20:57	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 20:57	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 20:57	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 20:57	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	35 - 141	12/05/18 20:57	
2-Fluorobiphenyl	79	31 - 118	12/05/18 20:57	
2-Fluorophenol	38	10 - 105	12/05/18 20:57	
Nitrobenzene-d5	72	31 - 110	12/05/18 20:57	
Phenol-d6	27	10 - 107	12/05/18 20:57	
Terphenyl-d14	62	10 - 165	12/05/18 20:57	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 09:16
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R1811634-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 21:25	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 21:25	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 21:25	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 21:25	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 21:25	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 21:25	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 21:25	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 21:25	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 21:25	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 21:25	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 21:25	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 21:25	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Caprolactam	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 09:16
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R1811634-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 21:25	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 21:25	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 21:25	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 21:25	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 21:25	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 21:25	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 21:25	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 21:25	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 21:25	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 21:25	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 21:25	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 21:25	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 21:25	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 21:25	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 21:25	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	12/05/18 21:25	
2-Fluorobiphenyl	75	31 - 118	12/05/18 21:25	
2-Fluorophenol	34	10 - 105	12/05/18 21:25	
Nitrobenzene-d5	65	31 - 110	12/05/18 21:25	
Phenol-d6	24	10 - 107	12/05/18 21:25	
Terphenyl-d14	57	10 - 165	12/05/18 21:25	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:45
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R1811634-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2,4,5-Trichlorophenol	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
2,4,6-Trichlorophenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2,4-Dichlorophenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2,4-Dimethylphenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2,4-Dinitrophenol	ND U	50	2.9	1	12/05/18 21:53	12/4/18	
2,4-Dinitrotoluene	ND U	9.9	2.7	1	12/05/18 21:53	12/4/18	
2,6-Dinitrotoluene	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
2-Chloronaphthalene	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
2-Chlorophenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2-Methylnaphthalene	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2-Methylphenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
2-Nitroaniline	ND U	50	2.4	1	12/05/18 21:53	12/4/18	
2-Nitrophenol	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
3-Nitroaniline	ND U	50	1.8	1	12/05/18 21:53	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	50	3.7	1	12/05/18 21:53	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
4-Chloro-3-methylphenol	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
4-Chloroaniline	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.9	1.2	1	12/05/18 21:53	12/4/18	
4-Nitroaniline	ND U	50	1.9	1	12/05/18 21:53	12/4/18	
4-Nitrophenol	ND U	50	3.0	1	12/05/18 21:53	12/4/18	
Acenaphthene	ND U	9.9	1.6	1	12/05/18 21:53	12/4/18	
Acenaphthylene	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Acetophenone	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Anthracene	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Atrazine	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Benz(a)anthracene	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Benzaldehyde	ND U	50	1.1	1	12/05/18 21:53	12/4/18	
Benzo(a)pyrene	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Benzo(b)fluoranthene	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Benzo(g,h,i)perylene	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
Benzo(k)fluoranthene	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
Biphenyl	ND U	9.9	1.9	1	12/05/18 21:53	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.9	9.7	1	12/05/18 21:53	12/4/18	
Butyl Benzyl Phthalate	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Caprolactam	**6.4 J**	9.9	1.0	1	12/05/18 21:53	12/4/18	

ALS Group USA, Corp.
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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 12:45
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R1811634-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Chrysene	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
Di-n-butyl Phthalate	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
Di-n-octyl Phthalate	ND U	9.9	1.8	1	12/05/18 21:53	12/4/18	
Dibenz(a,h)anthracene	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Dibenzofuran	ND U	9.9	1.3	1	12/05/18 21:53	12/4/18	
Diethyl Phthalate	ND U	9.9	1.2	1	12/05/18 21:53	12/4/18	
Dimethyl Phthalate	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
Fluoranthene	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Fluorene	ND U	9.9	1.6	1	12/05/18 21:53	12/4/18	
Hexachlorobenzene	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Hexachlorobutadiene	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
Hexachlorocyclopentadiene	ND U	9.9	1.5	1	12/05/18 21:53	12/4/18	
Hexachloroethane	ND U	9.9	1.2	1	12/05/18 21:53	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.9	1.4	1	12/05/18 21:53	12/4/18	
Isophorone	ND U	9.9	1.2	1	12/05/18 21:53	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.9	2.0	1	12/05/18 21:53	12/4/18	
N-Nitrosodiphenylamine	ND U	9.9	4.7	1	12/05/18 21:53	12/4/18	
Naphthalene	ND U	9.9	1.1	1	12/05/18 21:53	12/4/18	
Nitrobenzene	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Pentachlorophenol (PCP)	ND U	50	6.0	1	12/05/18 21:53	12/4/18	
Phenanthrene	ND U	9.9	1.6	1	12/05/18 21:53	12/4/18	
Phenol	ND U	9.9	1.0	1	12/05/18 21:53	12/4/18	
Pyrene	ND U	9.9	1.8	1	12/05/18 21:53	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	35 - 141	12/05/18 21:53	
2-Fluorobiphenyl	77	31 - 118	12/05/18 21:53	
2-Fluorophenol	34	10 - 105	12/05/18 21:53	
Nitrobenzene-d5	68	31 - 110	12/05/18 21:53	
Phenol-d6	24	10 - 107	12/05/18 21:53	
Terphenyl-d14	51	10 - 165	12/05/18 21:53	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	DUPE-13	**Units:**	ug/L
Lab Code:	R1811634-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2,4,5-Trichlorophenol	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
2,4,6-Trichlorophenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2,4-Dichlorophenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2,4-Dimethylphenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2,4-Dinitrophenol	ND U	47	2.9	1	12/05/18 22:20	12/4/18	
2,4-Dinitrotoluene	ND U	9.4	2.7	1	12/05/18 22:20	12/4/18	
2,6-Dinitrotoluene	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
2-Chloronaphthalene	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
2-Chlorophenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2-Methylnaphthalene	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2-Methylphenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
2-Nitroaniline	ND U	47	2.4	1	12/05/18 22:20	12/4/18	
2-Nitrophenol	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
3,3'-Dichlorobenzidine	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
3- and 4-Methylphenol Coelution	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
3-Nitroaniline	ND U	47	1.8	1	12/05/18 22:20	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	47	3.7	1	12/05/18 22:20	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
4-Chloro-3-methylphenol	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
4-Chloroaniline	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	9.4	1.2	1	12/05/18 22:20	12/4/18	
4-Nitroaniline	ND U	47	1.9	1	12/05/18 22:20	12/4/18	
4-Nitrophenol	ND U	47	3.0	1	12/05/18 22:20	12/4/18	
Acenaphthene	ND U	9.4	1.6	1	12/05/18 22:20	12/4/18	
Acenaphthylene	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Acetophenone	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Anthracene	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Atrazine	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Benz(a)anthracene	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Benzaldehyde	ND U	47	1.1	1	12/05/18 22:20	12/4/18	
Benzo(a)pyrene	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Benzo(b)fluoranthene	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Benzo(g,h,i)perylene	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
Benzo(k)fluoranthene	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
Biphenyl	ND U	9.4	1.9	1	12/05/18 22:20	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Bis(2-chloroethoxy)methane	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Bis(2-chloroethyl) Ether	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	9.7	9.7	1	12/05/18 22:20	12/4/18	
Butyl Benzyl Phthalate	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Caprolactam	**8.3 J**	9.4	1.0	1	12/05/18 22:20	12/4/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	11/27/18 11:58
Sample Matrix:	Water	**Date Received:**	11/30/18 16:00
Sample Name:	DUPE-13	**Units:**	ug/L
Lab Code:	R1811634-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Chrysene	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
Di-n-butyl Phthalate	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
Di-n-octyl Phthalate	ND U	9.4	1.8	1	12/05/18 22:20	12/4/18	
Dibenz(a,h)anthracene	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Dibenzofuran	ND U	9.4	1.3	1	12/05/18 22:20	12/4/18	
Diethyl Phthalate	ND U	9.4	1.2	1	12/05/18 22:20	12/4/18	
Dimethyl Phthalate	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
Fluoranthene	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Fluorene	ND U	9.4	1.6	1	12/05/18 22:20	12/4/18	
Hexachlorobenzene	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Hexachlorobutadiene	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
Hexachlorocyclopentadiene	ND U	9.4	1.5	1	12/05/18 22:20	12/4/18	
Hexachloroethane	ND U	9.4	1.2	1	12/05/18 22:20	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	9.4	1.4	1	12/05/18 22:20	12/4/18	
Isophorone	ND U	9.4	1.2	1	12/05/18 22:20	12/4/18	
N-Nitrosodi-n-propylamine	ND U	9.4	2.0	1	12/05/18 22:20	12/4/18	
N-Nitrosodiphenylamine	ND U	9.4	4.7	1	12/05/18 22:20	12/4/18	
Naphthalene	ND U	9.4	1.1	1	12/05/18 22:20	12/4/18	
Nitrobenzene	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Pentachlorophenol (PCP)	ND U	47	6.0	1	12/05/18 22:20	12/4/18	
Phenanthrene	ND U	9.4	1.6	1	12/05/18 22:20	12/4/18	
Phenol	ND U	9.4	1.0	1	12/05/18 22:20	12/4/18	
Pyrene	ND U	9.4	1.8	1	12/05/18 22:20	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	88	35 - 141	12/05/18 22:20	
2-Fluorobiphenyl	78	31 - 118	12/05/18 22:20	
2-Fluorophenol	37	10 - 105	12/05/18 22:20	
Nitrobenzene-d5	73	31 - 110	12/05/18 22:20	
Phenol-d6	27	10 - 107	12/05/18 22:20	
Terphenyl-d14	54	10 - 165	12/05/18 22:20	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: KAS Inc. **Service Request:** R1811634
Project: Keeseville and Chesterfield
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
MW-1	R1811634-001	97	96	105
MW-3	R1811634-002	100	97	108
MW-5	R1811634-003	98	96	107
MW-7	R1811634-004	97	95	105
MW-8	R1811634-005	100	94	106
MW-9	R1811634-006	100	96	105
MW-10	R1811634-007	102	95	107
DUPE-13	R1811634-008	99	95	107
Method Blank	RQ1813343-04	96	95	106
Lab Control Sample	RQ1813343-03	98	98	104

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1813343-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	0.25	1	12/04/18 21:37	
1,1,2,2-Tetrachloroethane	ND U	5.0	0.20	1	12/04/18 21:37	
1,1,2-Trichloroethane	ND U	5.0	0.25	1	12/04/18 21:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	0.20	1	12/04/18 21:37	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	0.20	1	12/04/18 21:37	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	0.28	1	12/04/18 21:37	
1,2,3-Trichlorobenzene	ND U	5.0	0.69	1	12/04/18 21:37	
1,2,4-Trichlorobenzene	ND U	5.0	0.50	1	12/04/18 21:37	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	5.0	0.45	1	12/04/18 21:37	
1,2-Dibromoethane	ND U	5.0	0.20	1	12/04/18 21:37	
1,2-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 21:37	
1,2-Dichloroethane	ND U	5.0	0.20	1	12/04/18 21:37	
1,2-Dichloropropane	ND U	5.0	0.21	1	12/04/18 21:37	
1,3-Dichlorobenzene	ND U	5.0	0.20	1	12/04/18 21:37	
1,4-Dichlorobenzene	ND U	5.0	0.24	1	12/04/18 21:37	
1,4-Dioxane	ND U	100	5.1	1	12/04/18 21:37	
2-Butanone (MEK)	ND U	10	0.78	1	12/04/18 21:37	
2-Hexanone	ND U	10	0.34	1	12/04/18 21:37	
4-Methyl-2-pentanone	ND U	10	0.29	1	12/04/18 21:37	
Acetone	ND U	10	2.1	1	12/04/18 21:37	
Benzene	ND U	5.0	0.20	1	12/04/18 21:37	
Bromochloromethane	ND U	5.0	0.33	1	12/04/18 21:37	
Bromodichloromethane	ND U	5.0	0.31	1	12/04/18 21:37	
Bromoform	ND U	5.0	0.36	1	12/04/18 21:37	
Bromomethane	ND U	5.0	0.70	1	12/04/18 21:37	
Carbon Disulfide	ND U	10	0.31	1	12/04/18 21:37	
Carbon Tetrachloride	ND U	5.0	0.34	1	12/04/18 21:37	
Chlorobenzene	ND U	5.0	0.20	1	12/04/18 21:37	
Chloroethane	ND U	5.0	0.23	1	12/04/18 21:37	
Chloroform	ND U	5.0	0.28	1	12/04/18 21:37	
Chloromethane	ND U	5.0	0.28	1	12/04/18 21:37	
Cyclohexane	ND U	10	0.31	1	12/04/18 21:37	
Dibromochloromethane	ND U	5.0	0.20	1	12/04/18 21:37	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	0.44	1	12/04/18 21:37	
Dichloromethane	ND U	5.0	0.47	1	12/04/18 21:37	
Ethylbenzene	ND U	5.0	0.20	1	12/04/18 21:37	
Isopropylbenzene (Cumene)	ND U	5.0	0.20	1	12/04/18 21:37	
Methyl Acetate	ND U	10	0.33	1	12/04/18 21:37	
Methyl tert-Butyl Ether	ND U	5.0	0.21	1	12/04/18 21:37	
Methylcyclohexane	ND U	10	0.35	1	12/04/18 21:37	
Styrene	ND U	5.0	0.20	1	12/04/18 21:37	
Tetrachloroethene (PCE)	ND U	5.0	0.28	1	12/04/18 21:37	
Toluene	ND U	5.0	0.20	1	12/04/18 21:37	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1813343-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	5.0	0.20	1	12/04/18 21:37	
Trichlorofluoromethane (CFC 11)	ND U	5.0	0.27	1	12/04/18 21:37	
Vinyl Chloride	ND U	5.0	0.22	1	12/04/18 21:37	
cis-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 21:37	
cis-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 21:37	
m,p-Xylenes	ND U	5.0	0.21	1	12/04/18 21:37	
o-Xylene	ND U	5.0	0.20	1	12/04/18 21:37	
trans-1,2-Dichloroethene	ND U	5.0	0.26	1	12/04/18 21:37	
trans-1,3-Dichloropropene	ND U	5.0	0.30	1	12/04/18 21:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	12/04/18 21:37	
Dibromofluoromethane	95	89 - 119	12/04/18 21:37	
Toluene-d8	106	87 - 121	12/04/18 21:37	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Analyzed: 12/04/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1813343-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.3	20.0	102	75-125
1,1,2,2-Tetrachloroethane	8260C	17.6	20.0	88	78-126
1,1,2-Trichloroethane	8260C	18.5	20.0	93	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	23.5	20.0	117	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	22.4	20.0	112	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.9	20.0	109	71-118
1,2,3-Trichlorobenzene	8260C	18.3	20.0	92	67-136
1,2,4-Trichlorobenzene	8260C	18.4	20.0	92	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	14.1	20.0	71	55-136
1,2-Dibromoethane	8260C	18.8	20.0	94	82-127
1,2-Dichlorobenzene	8260C	19.7	20.0	99	80-119
1,2-Dichloroethane	8260C	19.3	20.0	97	71-127
1,2-Dichloropropane	8260C	21.7	20.0	109	80-119
1,3-Dichlorobenzene	8260C	19.9	20.0	99	83-121
1,4-Dichlorobenzene	8260C	19.5	20.0	98	79-119
1,4-Dioxane	8260C	374	400	94	44-154
2-Butanone (MEK)	8260C	17.4	20.0	87	61-137
2-Hexanone	8260C	16.9	20.0	84	63-124
4-Methyl-2-pentanone	8260C	18.2	20.0	91	66-124
Acetone	8260C	16.2	20.0	81	40-161
Benzene	8260C	21.2	20.0	106	79-119
Bromochloromethane	8260C	20.2	20.0	101	81-126
Bromodichloromethane	8260C	17.5	20.0	87	81-123
Bromoform	8260C	14.1	20.0	70	65-146
Bromomethane	8260C	16.9	20.0	84	42-166
Carbon Disulfide	8260C	19.2	20.0	96	66-128
Carbon Tetrachloride	8260C	18.0	20.0	90	70-127
Chlorobenzene	8260C	19.7	20.0	98	80-121
Chloroethane	8260C	17.5	20.0	88	62-131
Chloroform	8260C	22.3	20.0	111	79-120
Chloromethane	8260C	21.8	20.0	109	65-135
Cyclohexane	8260C	20.4	20.0	102	69-120
Dibromochloromethane	8260C	15.7	20.0	78	72-128

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QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Analyzed: 12/04/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1813343-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	18.7	20.0	93	59-155
Dichloromethane	8260C	22.4	20.0	112	73-122
Ethylbenzene	8260C	20.9	20.0	104	76-120
Isopropylbenzene (Cumene)	8260C	22.0	20.0	110	77-128
Methyl Acetate	8260C	21.8	20.0	109	40-112
Methyl tert-Butyl Ether	8260C	21.1	20.0	106	75-118
Methylcyclohexane	8260C	21.2	20.0	106	51-129
Styrene	8260C	19.8	20.0	99	80-124
Tetrachloroethene (PCE)	8260C	20.8	20.0	104	72-125
Toluene	8260C	21.0	20.0	105	79-119
Trichloroethene (TCE)	8260C	21.3	20.0	106	74-122
Trichlorofluoromethane (CFC 11)	8260C	21.0	20.0	105	71-136
Vinyl Chloride	8260C	20.2	20.0	101	74-159
cis-1,2-Dichloroethene	8260C	20.4	20.0	102	80-121
cis-1,3-Dichloropropene	8260C	20.0	20.0	100	77-122
m,p-Xylenes	8260C	41.0	40.0	103	80-126
o-Xylene	8260C	20.4	20.0	102	79-123
trans-1,2-Dichloroethene	8260C	21.7	20.0	108	73-118
trans-1,3-Dichloropropene	8260C	19.1	20.0	96	71-133

Semivolatile Organic Compounds by GC/MS

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QA/QC Report

Client: KAS Inc. **Service Request:** R1811634
Project: Keeseville and Chesterfield
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
MW-1	R1811634-001	81	81	38
MW-3	R1811634-002	86	86	35
MW-5	R1811634-003	87	82	37
MW-7	R1811634-004	88	84	38
MW-8	R1811634-005	85	79	38
MW-9	R1811634-006	82	75	34
MW-10	R1811634-007	75	77	34
DUPE-13	R1811634-008	88	78	37
Method Blank	RQ1813278-01	82	77	43
Lab Control Sample	RQ1813278-02	83	83	48
Duplicate Lab Control Sample	RQ1813278-03	86	85	49

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QA/QC Report

Client: KAS Inc. **Service Request:** R1811634
Project: Keeseville and Chesterfield
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	Terphenyl-d14 10-165
MW-1	R1811634-001	72	26	61
MW-3	R1811634-002	73	25	62
MW-5	R1811634-003	71	26	46
MW-7	R1811634-004	71	27	57
MW-8	R1811634-005	72	27	62
MW-9	R1811634-006	65	24	57
MW-10	R1811634-007	68	24	51
DUPE-13	R1811634-008	73	27	54
Method Blank	RQ1813278-01	78	30	82
Lab Control Sample	RQ1813278-02	81	34	69
Duplicate Lab Control Sample	RQ1813278-03	86	35	79

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1813278-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2,3,4,6-Tetrachlorophenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2,4,5-Trichlorophenol	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
2,4,6-Trichlorophenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2,4-Dichlorophenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2,4-Dimethylphenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2,4-Dinitrophenol	ND U	50	2.9	1	12/05/18 15:49	12/4/18	
2,4-Dinitrotoluene	ND U	10	2.7	1	12/05/18 15:49	12/4/18	
2,6-Dinitrotoluene	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
2-Chloronaphthalene	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
2-Chlorophenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2-Methylnaphthalene	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2-Methylphenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
2-Nitroaniline	ND U	50	2.4	1	12/05/18 15:49	12/4/18	
2-Nitrophenol	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
3,3'-Dichlorobenzidine	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
3- and 4-Methylphenol Coelution	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
3-Nitroaniline	ND U	50	1.8	1	12/05/18 15:49	12/4/18	
4,6-Dinitro-2-methylphenol	ND U	50	3.7	1	12/05/18 15:49	12/4/18	
4-Bromophenyl Phenyl Ether	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
4-Chloro-3-methylphenol	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
4-Chloroaniline	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
4-Chlorophenyl Phenyl Ether	ND U	10	1.2	1	12/05/18 15:49	12/4/18	
4-Nitroaniline	ND U	50	1.9	1	12/05/18 15:49	12/4/18	
4-Nitrophenol	ND U	50	3.0	1	12/05/18 15:49	12/4/18	
Acenaphthene	ND U	10	1.6	1	12/05/18 15:49	12/4/18	
Acenaphthylene	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Acetophenone	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Anthracene	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Atrazine	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Benz(a)anthracene	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Benzaldehyde	ND U	50	1.1	1	12/05/18 15:49	12/4/18	
Benzo(a)pyrene	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Benzo(b)fluoranthene	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Benzo(g,h,i)perylene	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
Benzo(k)fluoranthene	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
Biphenyl	ND U	10	1.9	1	12/05/18 15:49	12/4/18	
2,2'-Oxybis(1-chloropropane)	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Bis(2-chloroethoxy)methane	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Bis(2-chloroethyl) Ether	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Bis(2-ethylhexyl) Phthalate	ND U	10	9.7	1	12/05/18 15:49	12/4/18	
Butyl Benzyl Phthalate	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Caprolactam	ND U	10	1.0	1	12/05/18 15:49	12/4/18	

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Analytical Report

Client:	KAS Inc.	**Service Request:**	R1811634
Project:	Keeseville and Chesterfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1813278-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Chrysene	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
Di-n-butyl Phthalate	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
Di-n-octyl Phthalate	ND U	10	1.8	1	12/05/18 15:49	12/4/18	
Dibenz(a,h)anthracene	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Dibenzofuran	ND U	10	1.3	1	12/05/18 15:49	12/4/18	
Diethyl Phthalate	ND U	10	1.2	1	12/05/18 15:49	12/4/18	
Dimethyl Phthalate	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
Fluoranthene	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Fluorene	ND U	10	1.6	1	12/05/18 15:49	12/4/18	
Hexachlorobenzene	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Hexachlorobutadiene	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
Hexachlorocyclopentadiene	ND U	10	1.5	1	12/05/18 15:49	12/4/18	
Hexachloroethane	ND U	10	1.2	1	12/05/18 15:49	12/4/18	
Indeno(1,2,3-cd)pyrene	ND U	10	1.4	1	12/05/18 15:49	12/4/18	
Isophorone	ND U	10	1.2	1	12/05/18 15:49	12/4/18	
N-Nitrosodi-n-propylamine	ND U	10	2.0	1	12/05/18 15:49	12/4/18	
N-Nitrosodiphenylamine	ND U	10	4.7	1	12/05/18 15:49	12/4/18	
Naphthalene	ND U	10	1.1	1	12/05/18 15:49	12/4/18	
Nitrobenzene	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Pentachlorophenol (PCP)	ND U	50	6.0	1	12/05/18 15:49	12/4/18	
Phenanthrene	ND U	10	1.6	1	12/05/18 15:49	12/4/18	
Phenol	ND U	10	1.0	1	12/05/18 15:49	12/4/18	
Pyrene	ND U	10	1.8	1	12/05/18 15:49	12/4/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	12/05/18 15:49	
2-Fluorobiphenyl	77	31 - 118	12/05/18 15:49	
2-Fluorophenol	43	10 - 105	12/05/18 15:49	
Nitrobenzene-d5	78	31 - 110	12/05/18 15:49	
Phenol-d6	30	10 - 107	12/05/18 15:49	
Terphenyl-d14	82	10 - 165	12/05/18 15:49	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Analyzed: 12/05/18

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1813278-02			RQ1813278-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	33.7	50.2	67	33.3	50.2	66	15-132	2	30
2,3,4,6-Tetrachlorophenol	8270D	40.9	50.0	82	44.0	50.0	88	42-136	7	30
2,4,5-Trichlorophenol	8270D	45.0	50.0	90	47.4	50.0	95	48-134	5	30
2,4,6-Trichlorophenol	8270D	42.6	50.0	85	46.1	50.0	92	44-135	8	30
2,4-Dichlorophenol	8270D	41.3	50.0	83	45.0	50.0	90	48-127	8	30
2,4-Dimethylphenol	8270D	41.4	50.0	83	44.6	50.0	89	59-113	7	30
2,4-Dinitrophenol	8270D	33.1 J	50.0	66	37.3 J	50.0	75	21-154	13	30
2,4-Dinitrotoluene	8270D	46.3	50.0	93	50.4	50.0	101	54-130	8	30
2,6-Dinitrotoluene	8270D	47.7	50.0	95	51.3	50.0	103	51-127	8	30
2-Chloronaphthalene	8270D	40.3	50.0	81	41.7	50.0	83	40-108	2	30
2-Chlorophenol	8270D	36.0	50.0	72	36.9	50.0	74	42-112	3	30
2-Methylnaphthalene	8270D	38.3	50.0	77	39.8	50.0	80	34-102	4	30
2-Methylphenol	8270D	34.8	50.0	70	37.1	50.0	74	47-100	6	30
2-Nitroaniline	8270D	43.0 J	50.0	86	45.6 J	50.0	91	52-133	6	30
2-Nitrophenol	8270D	42.1	50.0	84	44.9	50.0	90	43-131	7	30
3,3'-Dichlorobenzidine	8270D	40.3	50.0	81	43.0	50.0	86	43-126	6	30
3- and 4-Methylphenol Coelution	8270D	31.0	50.0	62	33.1	50.0	66	40-92	6	30
3-Nitroaniline	8270D	38.7 J	50.0	77	41.8 J	50.0	84	42-111	9	30
4,6-Dinitro-2-methylphenol	8270D	40.7 J	50.0	81	46.4 J	50.0	93	36-152	14	30
4-Bromophenyl Phenyl Ether	8270D	52.8	50.0	106	54.1	50.0	108	48-114	2	30
4-Chloro-3-methylphenol	8270D	43.5	50.0	87	45.8	50.0	92	52-113	6	30
4-Chloroaniline	8270D	39.5	50.0	79	41.2	50.0	82	44-109	4	30
4-Chlorophenyl Phenyl Ether	8270D	47.4	50.0	95	51.0	50.0	102	51-107	7	30
4-Nitroaniline	8270D	40.1 J	50.0	80	44.2 J	50.0	88	54-133	10	30
4-Nitrophenol	8270D	15.6 J	50.0	31	16.0 J	50.0	32	10-126	3	30
Acenaphthene	8270D	42.0	50.0	84	43.7	50.0	87	52-107	4	30
Acenaphthylene	8270D	44.5	50.0	89	47.2	50.0	94	55-109	5	30
Acetophenone	8270D	74.4	100	74	78.2	100	78	46-114	5	30
Anthracene	8270D	47.7	50.0	95	49.9	50.0	100	55-116	5	30
Atrazine	8270D	60.4	50.0	121	62.0	50.0	124	61-164	2	30
Benz(a)anthracene	8270D	47.2	50.0	94	50.2	50.0	100	61-121	6	30
Benzaldehyde	8270D	45.9 J	50.0	92	48.9 J	50.0	98	45-132	6	30
Benzo(a)pyrene	8270D	48.1	50.0	96	50.0	50.0	100	44-114	4	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Analyzed: 12/05/18

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1813278-02			RQ1813278-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	45.8	50.0	92	47.4	50.0	95	62-115	3	30
Benzo(g,h,i)perylene	8270D	54.9	50.0	110	56.0	50.0	112	63-136	2	30
Benzo(k)fluoranthene	8270D	49.8	50.0	100	50.9	50.0	102	49-133	2	30
Biphenyl	8270D	40.3	50.0	81	40.7	50.0	81	39-106	<1	30
2,2'-Oxybis(1-chloropropane)	8270D	47.2	50.0	94	48.2	50.0	96	32-122	2	30
Bis(2-chloroethoxy)methane	8270D	45.2	50.0	90	50.0	50.0	100	55-110	11	30
Bis(2-chloroethyl) Ether	8270D	41.8	50.0	84	43.3	50.0	87	46-102	4	30
Bis(2-ethylhexyl) Phthalate	8270D	37.3	50.0	75	40.9	50.0	82	51-132	9	30
Butyl Benzyl Phthalate	8270D	37.0	50.0	74	39.5	50.0	79	41-148	7	30
Caprolactam	8270D	9.02 J	50.0	18	9.55 J	50.0	19	10-41	5	30
Carbazole	8270D	50.9	50.0	102	53.2	50.0	106	56-139	4	30
Chrysene	8270D	50.2	50.0	100	53.3	50.0	107	57-118	7	30
Di-n-butyl Phthalate	8270D	44.3	50.0	89	47.0	50.0	94	57-128	5	30
Di-n-octyl Phthalate	8270D	35.7	50.0	71	36.8	50.0	74	62-124	4	30
Dibenz(a,h)anthracene	8270D	53.8	50.0	108	55.1	50.0	110	54-135	2	30
Dibenzofuran	8270D	44.0	50.0	88	45.3	50.0	91	55-110	3	30
Diethyl Phthalate	8270D	37.4	50.0	75	39.5	50.0	79	53-113	5	30
Dimethyl Phthalate	8270D	42.2	50.0	84	43.9	50.0	88	51-112	5	30
Fluoranthene	8270D	51.8	50.0	104	54.0	50.0	108	66-127	4	30
Fluorene	8270D	45.0	50.0	90	46.6	50.0	93	54-106	3	30
Hexachlorobenzene	8270D	48.0	50.0	96	48.9	50.0	98	53-123	2	30
Hexachlorobutadiene	8270D	35.6	50.0	71	36.1	50.0	72	16-95	1	30
Hexachlorocyclopentadiene	8270D	22.8	50.0	46	24.4	50.0	49	10-99	6	30
Hexachloroethane	8270D	28.7	50.0	57	28.4	50.0	57	15-92	<1	30
Indeno(1,2,3-cd)pyrene	8270D	53.8	50.0	108	55.2	50.0	110	62-137	2	30
Isophorone	8270D	42.5	50.0	85	45.3	50.0	91	50-116	7	30
N-Nitrosodi-n-propylamine	8270D	37.2	50.0	74	37.8	50.0	76	49-115	3	30
N-Nitrosodiphenylamine	8270D	49.7	50.0	99	50.8	50.0	102	45-123	3	30
Naphthalene	8270D	37.3	50.0	75	38.9	50.0	78	38-99	4	30
Nitrobenzene	8270D	38.8	50.0	78	41.9	50.0	84	46-108	7	30
Pentachlorophenol (PCP)	8270D	32.9 J	50.0	66	35.7 J	50.0	71	29-164	7	30
Phenanthrene	8270D	47.2	50.0	94	48.8	50.0	98	58-118	4	30
Phenol	8270D	16.4	50.0	33	18.1	50.0	36	10-113	9	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: KAS Inc.
Project: Keeseville and Chesterfield
Sample Matrix: Water

Service Request: R1811634
Date Analyzed: 12/05/18

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1813278-02			RQ1813278-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	47.5	50.0	95	50.7	50.0	101	61-122	6	30

Attachment C

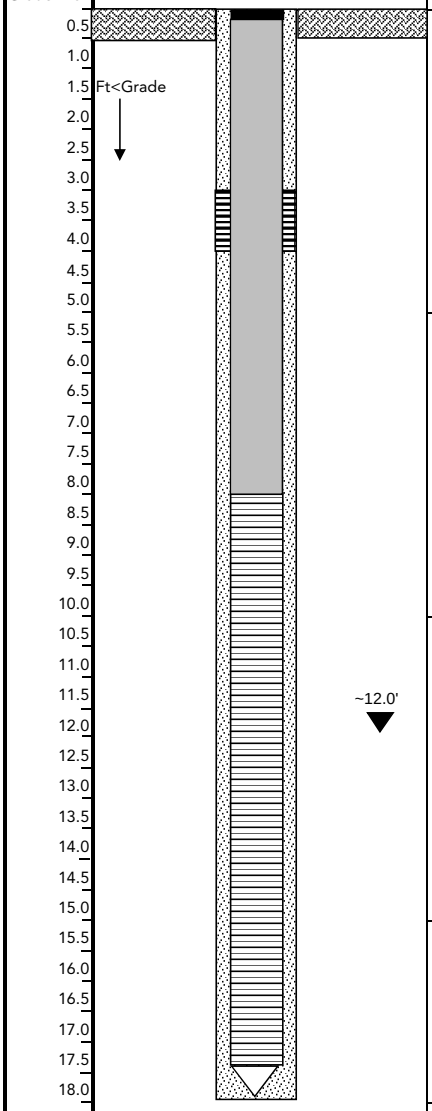
Monitoring Well & Boring Logs

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-1/GW-1

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/50	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/35	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 12' End of Exploration (Boring terminated)	SW	
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-2

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	N/A
		Screened Length:	N/A

Grade = 0	Well Construction	Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		60/55	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
1.0						
1.5	Ft<Grade					
2.0						
2.5						
3.0						
3.5						
4.0						
4.5						
5.0						
5.5		60/40	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
6.0						
6.5						
7.0						
7.5						
8.0						
8.5	~9.0'					
9.0				Wet @ 9'		
9.5						
10.0				End of Exploration (Boring terminated)		
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

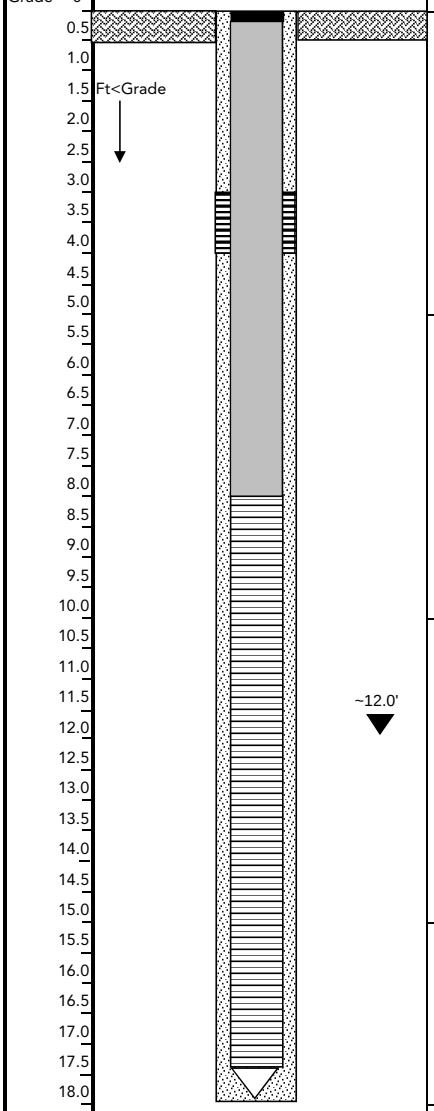
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-3/GW-3

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/50	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 12' End of Exploration (Boring terminated)	SW	
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-4

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	N/A
		Screened Length:	N/A

Grade = 0	Well Construction	Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		60/30	0.5	Dry, Black/Brown, fine to coarse SAND and GRAVEL, trace silt.	SW	
1.0						
1.5	Ft<Grade					
2.0						
2.5						
3.0						
3.5						
4.0						
4.5						
5.0						
5.5		60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5	~10.0'					
10.0						
10.5		60/50	0.0	Wet, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 10'	SW	
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0				End of Exploration (Boring terminated)		
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

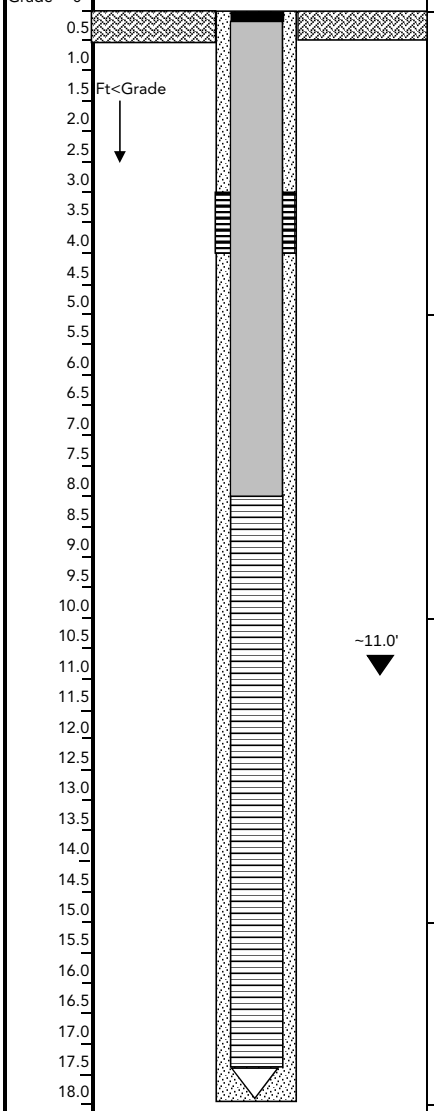
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-5/GW-5

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/35	0.0	Dry, Black/Brown, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/40	1.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/50	25.8	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 11'	SW	
		End of Exploration (Boring terminated)		
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-6

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	N/A
		Screened Length:	N/A

Grade = 0	Well Construction	Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		60/55	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
1.0						
1.5	Ft<Grade					
2.0						
2.5						
3.0						
3.5						
4.0						
4.5						
5.0						
5.5		60/55	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
6.0						
6.5						
7.0						
7.5						
8.0	~8.0'			Wet @ 9'		
8.5						
9.0						
9.5						
10.0				End of Exploration (Boring terminated)		
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

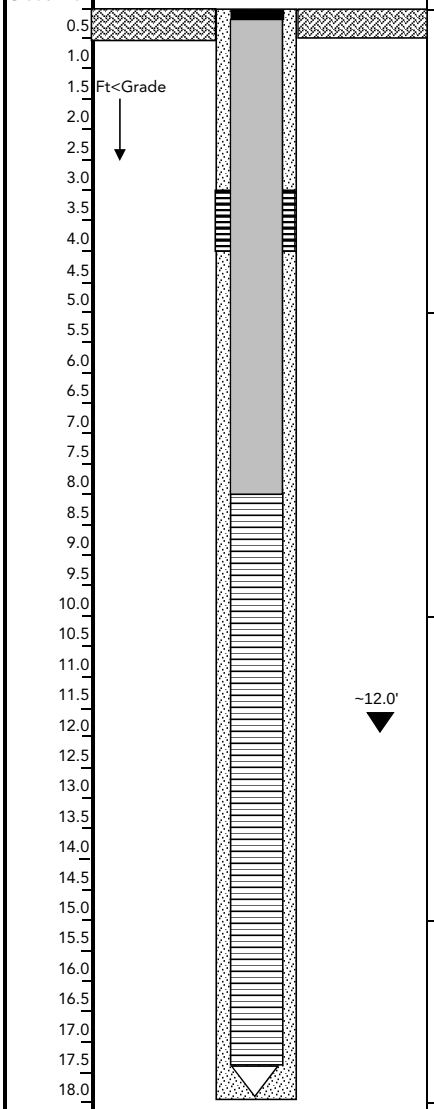
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-7/GW-7

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/42	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/55	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 12' End of Exploration (Boring terminated)	SW	
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

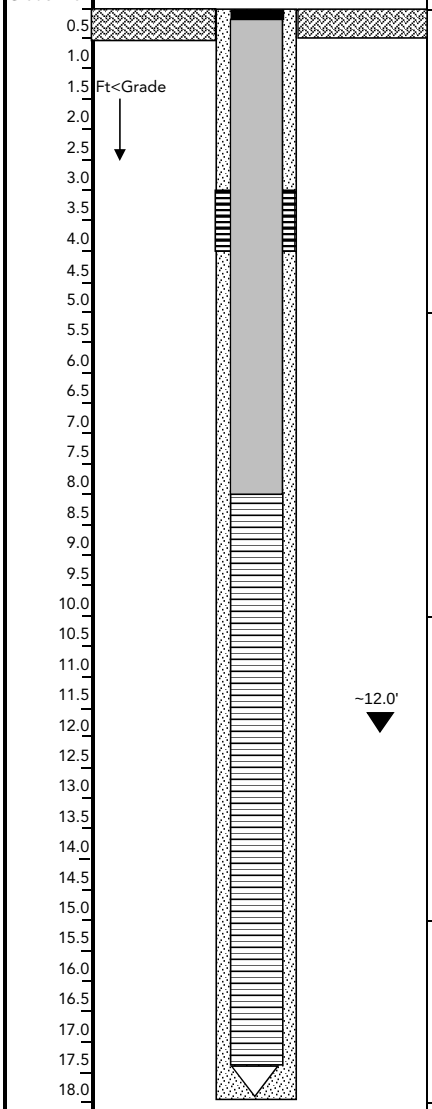
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-8/GW-8

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/40	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 12' End of Exploration (Boring terminated)	SW	
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

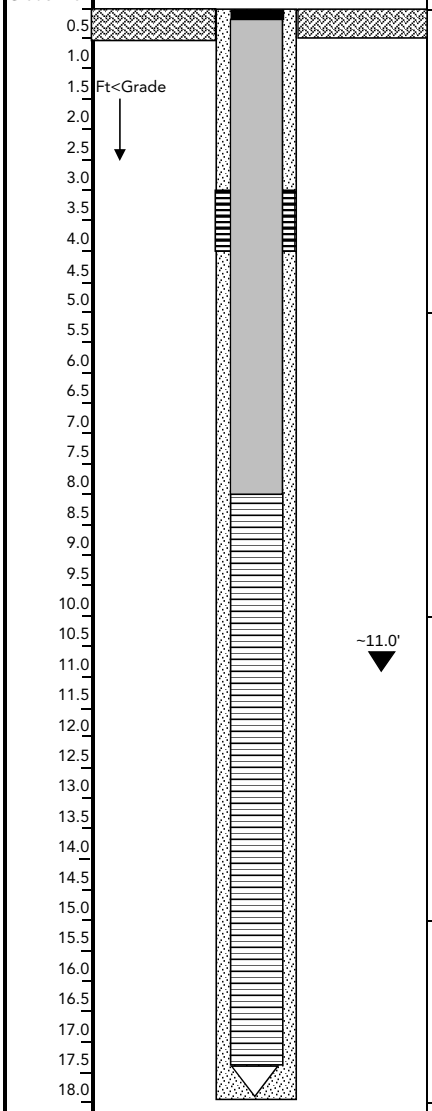
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-9/GW-9

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/50	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/45	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/40	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 11'	SW	
		End of Exploration (Boring terminated)		
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

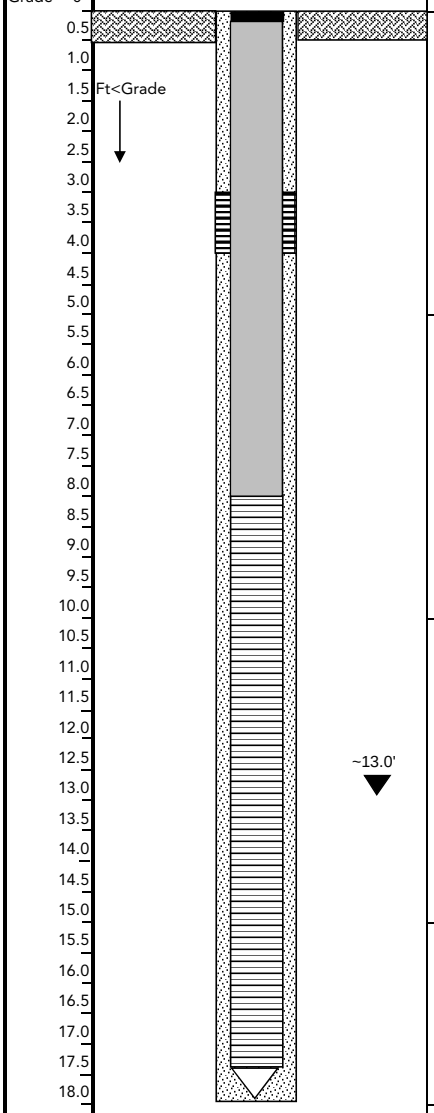
NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG AND WELL CONSTRUCTION DIAGRAM

Boring/Well No: SB-10/GW-10

Former Weld Shop
Chesterfield, NY

KAS Project #:	407125024	Date:	10/24/18
Drilled by :	Aztech Environmental	Drilling Method:	Direct Push Geoprobe
Supervised by:	Anthony Harvey	Boring Diameter.:	3"
		Development Method:	Temporary Monitoring Well
		Screened Length:	10'



Pen/Rec (") / Blow Count	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
60/30	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/40	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt.	SW	
60/30	0.0	Dry, Tan, fine to coarse SAND and GRAVEL, trace silt. Wet @ 13' End of Exploration (Boring terminated)	SW	
		End of Exploration (Well terminated)		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

Attachment D

Liquid Level Data

Liquid Level Data Summary - January 4, 2019			
Site Name:	Former Weld Shop	Project:	Remedial Investigation
Client:	The Estate of George Moore	Address:	1823 Route 9
KAS Project #:	407125024	Town:	Chesterfield, NY

Well ID	Top of Casing Elevation	Depth to Product (BTOC)	Depth to Water (BTOC)	Product Thickness	Corrected Water Table Elevation
MW-1	99.63	-	10.90	-	88.73
MW-3	98.96	-	9.50	-	89.46
MW-5	99.92	-	10.70	-	89.22
MW-7	100.00	-	11.20	-	88.80
MW-8	102.67	-	12.35	-	90.32
MW-9	101.79	-	13.75	-	88.04
MW-10	100.50	-	12.80	-	87.70

All values reported in feet
Elevations determined relative to top of casing of MW-7, which was arbitrarily set at 100.00'
Site surveyed by KAS, Inc., Janaury 4, 2019