

October 21, 2016

Mr. Adam Short
City of Kinston
207 E. King Street
Kinston, North Carolina 28502

Subject: **LIMITED ENVIRONMENTAL SITE ASSESSMENT REPORT
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, LENOIR COUNTY, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055**

Dear Mr. Short:

We are pleased to present this Limited Environmental Site Assessment Report for the above-referenced site. We appreciate the opportunity to provide environmental services to the City of Kinston. Please contact me at 919-250-9918 if any questions arise or if we may be of further service.

Sincerely,

MID-ATLANTIC ASSOCIATES, INC.



Darin M. McClure
Principal Engineer

Enclosure

**LIMITED ENVIRONMENTAL SITE ASSESSMENT REPORT
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, LENOIR COUNTY, NORTH CAROLINA**

Prepared For:

Mr. Adam Short
City of Kinston
207 E. King Street
Kinston, North Carolina 28502

Prepared By:

Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, North Carolina 27610

Mid-Atlantic Job No. 000R2611.00 T4055

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FORMER GLEN RAVEN MILL
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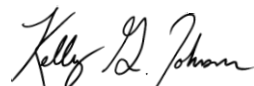
October 21, 2016

Prepared For:

Mr. Adam Short
City of Kinston
207 E. King Street
Kinston, North Carolina 28502

Prepared By:

MID-ATLANTIC ASSOCIATES, INC.



Kelly G. Johnson, G.I.T.
Staff Scientist



Darin M. McClure
Principal Engineer

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DISTRIBUTION LIST

The following personnel will receive a copy of this report:

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1.0 INTRODUCTION

In accordance with the Generic Quality Assurance Project Plan (QAPP) dated April 22, 2015, and the Site Specific QAPP Addendum 3-A Revision 2 (SSQAPP) dated April 25, 2016, Mid-Atlantic Associates, Inc. (Mid-Atlantic) has prepared this Limited Environmental Site Assessment Report for the former Glen Raven Mill (the “subject site”) located at 800 Manning Street in Kinston, North Carolina (**Drawing 1.1**). The subject site is a former textile mill situated on approximately 11.7 acres of land that operated as a cotton/spinning mill since at least 1914 until approximately 2002. The mill is located adjacent to the Neuse River (**Drawing 1.1**) in a generally industrial and residential area. The subject site is assigned Parcel Identification No. 4525-1304-7216 and is owned by McConnell Holdings, Inc. (**Drawing 1.2**).

This Limited Environmental Site Assessment work was conducted based on the findings of a Phase I Environmental Site Assessment (PESA) completed on the subject site by Mid-Atlantic and dated December 30, 2015. The report identified the following Recognized Environmental Conditions (RECs) associated with the subject site:

- The historical operation of the subject site as a cotton/spinning mill since at least 1914 until approximately 2002;
- The historical industrial use of the northeast adjacent property, including storage and use of coal; and
- The documented release of petroleum and historical use of the west adjacent property as the City Water Works and Electric Light Plant (power plant).

Additionally, the PESA report identified the following particular areas of interest on the subject site:

- The observed areas of oil staining around the machines on the first floor of the main mill building (Building 3) and in the basement of the main mill building;
- The historical storage and use of coal at the southwest portion of the main mill building;
- The engine room, boiler room and machine shop located at the southwest portion of the main mill building;
- The waste house formerly located southwest of the main mill building; and
- The oil house located south of the main mill building.

Based on review of historical Sanborn maps, the northeast adjacent property operated as a coal and wood storage yard from as early as 1914 until at least 1930. The Sanborn maps show that the site contained a large coal heap which was located approximately 40 feet from the subject site. Additionally, the former coal company was located topographically upgradient of the subject site.

The west adjacent property was identified as the former City Light and Water Department on historical Sanborn maps and city directories. The site was also identified on the LUST database for a petroleum release which occurred in 1990. Based on review of

environmental documents provided by the North Carolina Department of Environmental Quality (NCDEQ) Washington Regional Office UST Section and summarized in the PESA report, the results of the assessment activities performed on the west adjacent property indicate that soil and groundwater contamination associated with the UST release is no longer present at levels above regulatory standards. Additionally, Mid-Atlantic reviewed the *Hydrogeological Site Assessment* report performed by OMNI and dated June 1990. The report provided a brief history of the former operations of the power plant at the subject site. Information from the report indicates that the west adjacent property was formally a coal powered steam electric generating station and that No.2 fuel oil was stored in five ASTs at the site for standby fuel. The report indicates that the power plant was decommissioned around 1975 and several structures remained onsite. The report also indicates that after the plant shut down the five fuel oil ASTs were used to store diesel fuel for a local school bus fleet. The ASTs were reportedly removed by the city in 1982. The two gasoline USTs remained in use for City of Kinston vehicles at the site until 1990. At the time of the report (June 1990) the site was operating as an electrical substation in addition to the two deep groundwater supply wells. In the PESA, Mid-Atlantic concluded that the long-term industrial use of this site had the potential to adversely impact the subject site.

While completing the PESA Mid-Atlantic reviewed historical Sanborn® Fire Insurance Maps. Mid-Atlantic identified an area of the Glen Raven Mill, which formerly operated at the subject site, that contained a waste house nearby the former engine room, boiler room, and machine shop. During the site visit for the PESA report, Mid-Atlantic observed several drums and/or barrels labeled used oil, lubing oil, and dye barrels near these areas in Building 3. Additionally, several barrels in the room located east of the furnaces in Building 3 had deteriorated and were leaking onto the concrete floor. The condition of these drums was determined to be a safety hazard. According to information from the Hazardous Substance Research Group's (HSRG) *Environmental Update #24 Environmental Hazards of the Textile Industry*, solvents including trichloroethylene (TCE) were used during the dyeing and finishing procedures, in addition to general usage for cleaning machinery (HSRG, 2006). The current physical conditions in addition to historic operations at the subject site were identified as potential sources of petroleum and/or solvent contamination.

The April 2016 SSQAPP was developed, and this site assessment was completed, to determine if the RECs identified in the December 2015 PESA had adversely impacted the subject site. The principal objective of this assessment was to provide analytical data to document site-wide soil and groundwater quality from historical uses of the site and adjoining properties and to determine if vapor intrusion will hinder potential future redevelopment activities. Note that although the future use of the site is currently under evaluation, we anticipate that as much of the current structures as possible will be reused. Currently, large scaled building demolition is not anticipated. Building foundations and floor slabs will remain primarily unaltered.

1.1 Laboratories

Prism Laboratories, Inc. (Soil and Groundwater Sampling)
Post Office Box 240543
Charlotte, North Carolina 28224
(704) 529-6364
N.C. Certification No. 402
Contact: Ms. Angela Overcash

H&P Mobile Geochemistry, Inc. (Sub-Slab Soil Gas Sampling)
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Carlsbad, California 92010
(760) 804-9678
Contact: Ms. Kim Boyd

1.2 Driller

Quantex, Inc.
Post Office Box 41673
Raleigh, NC 27629
(919) 219-9604
Contact: Mr. J.D. Barker

1.3 Waste Disposal Contractor

A&D Environmental
Post Office Box 963
Burlington, NC 27216
(336) 229-0058
Contact: Kevin Young

1.4 Asbestos-Containing Materials and Lead-Based Paints Survey Contractor

Matrix Health & Safety Consultants, LLC
2900 Yonkers Road
Raleigh, NC 27604
(919) 833-2520
Contact: C. Britt Wester

2.0 SUMMARY OF FIELD ACTIVITIES

Before fieldwork was initiated, Ground Penetrating Radar (GPR) and traditional electromagnetic (EM) locating methods were used by GEL Geophysics, Inc. to determine if underground utilities would be impacted by the planned locations of the monitoring wells and soil borings. The field assessment activities were conducted in two phases. During the first phase, six permanent monitoring wells were installed and six soil borings were drilled at the site. Additionally, profiles of the drums located near the former engine room in Building 3 were created. During the second phase, six sub-slab soil gas samples were collected from Buildings 1 and 3; the drums were removed from the site; and an asbestos-containing materials (ACM) and lead-based paint survey was conducted for all structures at the site. Further details of these activities are provided below.

2.1 Soil Sampling Activities

On August 3, 2016, Mid-Atlantic mobilized to the site to oversee the advancement of six soil borings (SB-1 to SB-6) and installation of six permanent groundwater monitoring wells (MW-1 to MW-6). Soil boring and permanent monitoring well installation services (**Section 2.2**) were provided by Quantex, Inc. (Quantex) of Clayton, North Carolina.

Soil Boring Locations

The soil boring sampling locations were placed in the vicinity of the former waste house and former coal pile near the southwest corner of the subject site to assess soil quality at area of concern "A" (AOC-A) as specified in the April 25, 2016 SSQAPP and shown on **Drawings 1.2** and **2.1**. Additionally, soil samples for textural classification were obtained from monitoring wells MW-1 through MW-6, as described in more detail in **Section 2.2**.

Soil Sampling and Screening Procedure

Using a GeoProbe "macrocore" sampling device and direct push technology (DPT) at each boring location (SB-1 through SB-6), the borings were advanced to a depth of five feet BLS in order to collect a soil sample for laboratory testing. Evidence of contamination was not observed in the borings for sample locations SB-1 through SB-6. Soil recovery in the macrocores was poor due to the lithology of the soils, which consisted of primarily of pieces of debris including bricks, asphalt, and concrete. Based on field observations, soil samples were collected at the default sampling depth of approximately 2 feet BLS as defined in the April 25, 2016 SSQAPP.

A total of seven soil samples were collected from the subject site for laboratory analysis, including six grab primary samples (primary samples) and one grab duplicate sample. New nitrile gloves were worn during the collection of each sample, and samples selected for

laboratory submittal were placed into laboratory-supplied bottles. Samples were then packed into an ice-filled cooler and shipped under chain-of-custody to Prism Laboratories, Inc. (Prism) in Charlotte, North Carolina. The tests completed were in accordance with the SSQAPP including volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (semi-VOCs) by EPA Method 8270, and the 8-RCRA Metals (Arsenic, Barium, Cadmium, Chromium, Mercury, Selenium, and Silver) by EPA Method 6010 and lead by EPA Method 7471.

One grab duplicate soil sample (Duplicate) was collected from soil sample location SB-5. The sample was collected by splitting recovered soil into jars planned for the primary sample and duplicate sample. Further information is presented in **Section 4.2.1**.

2.2 Groundwater Sampling Activities

On August 3 and 4, 2016, Quantex, under Mid-Atlantic's supervision, constructed six permanent monitoring wells on the subject property (MW-1 to MW-6). Monitoring well locations were placed to assess groundwater quality at the following areas of concern (AOC) as specified in the April 25, 2016 SSQAPP and shown on **Drawings 1.2** and **2.1**. Soil samples for textural classification were obtained from the six permanent monitoring wells installed on the subject site from areas of concern "A" through "F" as noted below.

- Monitoring well MW-1 was installed at area of concern "A" (AOC-A), to evaluate potential groundwater contamination associated with historical uses of Building 1 in addition to potential impacts resulting from the documented release and historical use of the west adjacent property;
- Monitoring well MW-2 and soil borings SB-1 through SB-6 were installed to address potential soil and groundwater impacts resulting from on-site operational and historical uses of the site including the location of the former waste house and former coal pile (AOC-A) and the former oil house (AOC-B). These sample locations are also located near the former engine room, boiler room, and machine shop;
- Monitoring well MW-3 was installed to address potential contamination from historical uses of the subject site and adjoining properties (AOC-F);
- Monitoring well MW-4 was installed to address potential contamination from on-site operational and historical uses of the site immediately downgradient of Building 3 (AOC-D);
- Monitoring well MW-5 was installed to address potential contamination resulting from on-site operational and potential contamination from historical use of the adjacent property as a coal yard (AOC-E); and
- Monitoring well MW-6 was installed to address potential contamination resulting from on-site operational and historical uses of Building 3 (AOC-F).

The permanent monitoring wells were constructed using two-inch diameter Schedule 40 PVC casing and slotted well screen installed in a borehole approximately eight inches in diameter. The intake interval for the well (i.e. slotted well screen) was installed such that the well screen bracketed the water table at the time of construction. Well construction details for the permanent monitoring wells are documented on the well construction schematics included in **Appendix A**. Boring Logs (**Appendix A**) note the classification of soils encountered during installation of the site monitoring wells. In general, the lithology at the site consisted of compacted silty clays underlain by a fine to medium sand.

The monitoring wells were developed immediately after installation to remove turbid water and improve the efficiency of water passing through the sand installed next to the well screen. Mid-Atlantic used the low flow method to develop the wells.

After installation and development of the monitoring wells, groundwater sampling was completed using the low flow method and water quality measurements were obtained on three minute intervals during purging. Measurements were collected for pH, specific conductance, temperature and turbidity. The field data sheet from groundwater sampling is included as **Appendix B**. The groundwater samples from MW-1 and MW-6 were slightly turbid with the last readings ranging from 12.4 to 13.9 Nephelometric Turbidity Units (NTU). The samples from MW-2 through MW-5 were moderately turbid with the last readings ranging from 45.5 to 56.5 NTUs. All monitoring wells were purged for an extended period (20 to 35 minutes) in an effort for the groundwater to become less turbid (less than 10 NTUs). In general, water for each well showed a general trend of decreasing turbidity during purging.

Mid-Atlantic filled pre-cleaned containers provided by the laboratory for the designated tests. After filling, groundwater samples were placed into an ice-filled cooler and shipped under chain-of-custody to Prism. Quality assurance/quality control samples (QA/QC) collected during sampling included one duplicate sample from MW-2 and an equipment rinse blank. A trip blank was prepared by the laboratory and accompanied shipment of the samples. Laboratory testing of groundwater samples was completed in accordance with the SSQAPP. The groundwater samples collected from the site monitoring wells MW-1 through MW-6 (including the duplicate sample from MW-2) and the equipment rinse blank were analyzed by VOCs according to EPA method 8260B and semi-VOCs according to EPA method 8270D. The trip blank was analyzed for VOCs only.

To evaluate groundwater flow direction (**Drawing 2.2**), Mid-Atlantic surveyed the top of casing (TOC) elevations and measured depth to groundwater in the monitoring wells on August 23, 2016. Depth to groundwater ranged from 3.42 to 8.78 feet below TOC on August 23, 2016 (**Table 2.1**) and the wells were surveyed relative to the base of the fire hydrant in front of the main warehouse (Building 3). Based on these data, groundwater flow below the site is generally to the south, towards the Neuse River.

2.3 Vapor Intrusion Sampling Activities

On August 18, 2016, Mid-Atlantic mobilized to the subject site to collect six sub-slab soil gas samples (including one duplicate sample) from Buildings 1 and 3 of the subject site. Each sub-slab sample was collected at least 10 feet from exterior walls and/or obvious underground utilities. To create a sub-slab sampling port, a rotary-impact drill equipped with a decontaminated spline drill bit was utilized to drill a 5/8-inch diameter hole through the concrete slab. A vapor sampling probe was established using a new "Vapor Pin™", a brass barb fitting with a silicone sleeve that creates a seal with the concrete when inserted snugly into the hole via an installation/extraction tool. The Vapor Pin was then fitted with small diameter (1/8- or 1/4-inch outer diameter - OD) rigid-wall Teflon tubing to complete the vapor sampling probe assembly. Sub-slab samples were collected using 1-liter stainless steel canisters at a maximum flow rate of 200 ml/min.

A leak check was performed at each probe location using a plastic shroud, helium gas and a portable helium gas detector. A plastic shroud was placed over the sub-slab vapor probe location with the tubing of the probe exiting the shroud through a small hole. A 3-way valve placed on the probe termination was connected to the sampling apparatus that was used. Helium was released into the shroud via tubing from the cylinder into the shroud. A Tedlar bag grab sample was collected from the probe by connecting to the exhaust port of the purge syringe to fill. Helium monitoring indicated that there were no leaks in the sampling train.

After collection, the sub-slab soil gas canister samples were shipped to H&P Mobile Geochemistry, Inc. in Carlsbad, California under proper chain of custody for analysis. In accordance with the SSQAPP, the canisters were analyzed using standard laboratory turnaround times by EPA Method TO-15.

One duplicate soil gas sample was collected immediately following collection of soil gas sample VP-5. The duplicate sample was collected by closing the sampling train following collection of VP-5, disconnecting the canister from the flow regulator, and reconnecting the duplicate sample canister to the flow regulator. Further information is presented in **Section 4.2.1**.

2.3 Drum Removal Activities

On August 4, 2016, A&D Environmental (A&D) mobilized to the subject site to evaluate and generate profiles of the ten 55-gallon drums located in the basement of Building 3, east of the boiler room. The approximate location of this area is shown on **Drawing 2.1**. The drums appeared to be in poor condition and two of the drums appeared to be leaking. Based on their field analysis results (**Appendix C**), one of the leaking drums likely contained flocculent and the other contained a "gelled yellow Resin-like material". Of the

remaining eight drums that did not appear to be leaking, one drum was identified by A&D as containing flocculent and the drum appeared in poor condition and unsuitable for transport; therefore, A&D recommended that the contents of this drum be transferred to another drum for transport. Another drum was identified as containing lubricant and the remaining six drums contained water-based dyes of various colors.

A&D remobilized to the subject site on August 18, 2016 to remove the drums from the site. To remove the leaking drums, A&D placed the drums inside overpack containers and used absorbent on the floors to soak up the leaked chemicals and placed the used absorbent inside the overpack drums. One drum containing flocculent was discolored and appeared to be in poor condition not suitable for transport. A&D transferred the contents of this drum to a new metal 55-gallon drum for transport and disposal. The remaining seven drums were direct loaded on to their truck for transport and disposal. Copies of A&D's field analysis report, drum profiles, and Bill's of Lading (manifests) are attached in **Appendix C**.

2.4 Asbestos-Containing Materials and Lead-Based Paints Survey Activities

Mid-Atlantic contracted with Matrix Health and Safety Consultants, LLC (Matrix) to complete asbestos-containing material (ACM) and lead-based paint surveys. Matrix conducted their survey on August 18, 2016 for all structures on the subject site (Buildings 1, 2, and 3). The ACM and lead-based paint findings report is included as **Appendix D** and summarized in **Section 3.0**.

3.0 SUMMARY OF LABORATORY TEST RESULTS

The laboratory analytical reports and chain-of-custody records for the soil, groundwater, and sub-slab soil gas samples collected at the site are provided in **Appendix E**. The ACM and lead-based paint survey report conducted by Matrix is provided in **Appendix D**. The laboratory results for constituents detected in the soil, groundwater, and sub-slab soil gas samples are summarized in **Tables 3.1, 3.2, and 3.3**, respectively.

Soil Sample Results

As documented in **Table 3.1**, with the exception of metals, only soil sample SB-5 exhibited constituents at concentrations above the Inactive Hazardous Site Branch's (IHSB) protection of groundwater Preliminary Soil Remediation Goals (PSRGs). Three constituents were detected in SB-5 above their protection of groundwater PSRGs including methylene chloride, 1-methylnaphthalene, and 2-methylnaphthalene. Note that several VOCs and SVOCs were detected in soil samples SB-1, SB-2, SB-4, and SB-5 (including the duplicate sample of SB-5) at "estimated concentrations" above the laboratory method detection limits

(MDLs). The estimated concentrations are denoted with a “J” and several of these constituents with estimated concentrations were detected above their respective residential and/or protection of groundwater PSRGs. Refer to **Section 4.2.1** for further information on estimated values.

Additionally, as summarized in **Table 3.1**, arsenic and selenium were detected at concentrations above PSRGs. Arsenic was detected in all six soil samples (including the duplicate sample of SB-5) at concentrations exceeding its residential, industrial/commercial, and protection of groundwater PSRG. Selenium was detected in the duplicate soil sample of SB-5 at a concentration of 2.2 mg/kg, which is above its protection of groundwater PSRG. Note that selenium was detected in primary soil sample SB-5 at 2.0 mg/kg, below the protection of groundwater PSRG of 2.1 mg/kg.

Summary: Soil is contaminated at the site in the area of the former waste house and coal pile with methylene chloride, 1-methylnaphthalene, and 2-methylnaphthalene. Concentrations of these three compounds were detected in soil sample SB-5 above protection of groundwater PSRGs.

Metals were detected in soil samples from this area above PSRGs including arsenic and selenium. Arsenic is frequently detected in North Carolina soils at concentrations exceeding 3 mg/Kg, the industrial/commercial PSRG. The North Carolina Department of Agriculture and Consumer Services (NCDA) reported an average concentration of 4.5 mg/Kg for arsenic based on laboratory testing of 3,286 soil samples from across the State between 2005 and 2007 (NCDA, 2008). The EPA notes that arsenic typically ranges from 4 to 9 mg/Kg in most soils (EPA, 2003).

After comparing the detected compounds with their published PSRGs, Mid-Atlantic performed risk calculations as follows. The IHSB establishes PSRGs for individual compounds for residential and non-residential (industrial/commercial) exposure scenarios. The IHSB and the North Carolina Brownfields Program allow a maximum cancer risk sum for all carcinogens of $1.0\text{E-}04$ and a maximum cumulative hazard index (HI) of 1.0 for all non-carcinogens in soils. Samples above these values are required to be cleaned up to IHSB guidelines and/or using land use restrictions (IHSB, 2015). The HI is the sum of the hazard quotient (HQs) calculated for each compound detected above the reporting limit. As summarized in **Table 3.1**, the residential cancer risk sum for all soil samples ranged from $6.3\text{E-}06$ to $3.5\text{E-}05$, which is below the target cancer risk sum of $1.0\text{E-}04$. The residential cumulative non-cancer hazard index for all soil samples ranged from 0.13 to 0.72, which is below the target cumulative non-cancer hazard index of 1.0.

Groundwater Sample Results

The groundwater sample laboratory results were compared to the NCGQS in order to evaluate the site for potential groundwater contamination (**Table 3.2**). Several VOC constituents were detected above their laboratory MDLs at concentrations below their respective NCGQS. VOCs, including chloroform, methyl isobutyl ketone, and toluene were detected in samples MW-4 and MW-6 at concentrations below their respective NCGQS. Note that only one constituent (total xylenes) was detected in samples MW-2 (and its Duplicate sample), MW-3, and MW-5 at an estimated concentration above the laboratory MDL and that no constituents were detected above the laboratory MDLs in sample MW-1. SVOCs were not detected above their laboratory MDLs in groundwater samples collected from the site.

Sub-Slab Soil Gas Sample Results

The sub-slab soil gas sample laboratory results were compared to the Division of Waste Management (DWM) Residential and Non-Residential Vapor Intrusion Sub-Slab and Exterior Soil Gas Screening Levels (March 2016 Table), as shown on **Table 3.3**. Several constituents were detected above the laboratory MDL in each of the soil gas samples collected from the site (VP-1 through VP-6). The detected constituents primarily include petroleum and solvent related compounds. As indicated, target compounds were not detected in soil gas samples at concentrations exceeding the DWM Residential or Non-Residential Vapor Intrusion Screening Levels.

Several solvents, including tetrachloroethylene and trichloroethylene were detected in soil gas collected from the site; however, these concentrations were below DWM Residential and Non-Residential Vapor Intrusion Screening Levels. Tetrachloroethylene was detected in sub-slab soil gas at the site at concentrations ranging from 2.9 to 7.2 $\mu\text{g}/\text{m}^3$, below the DWM Residential Vapor Intrusion Screening Level of 278 $\mu\text{g}/\text{m}^3$. Additionally, trichloroethylene was detected in three soil gas samples at the site at concentrations ranging from 4.2 to 12 $\mu\text{g}/\text{m}^3$, below the DWM Residential Vapor Intrusion Screening Level of 13.9 $\mu\text{g}/\text{m}^3$.

Asbestos Containing Materials and Lead-Based Paints Survey Results

As noted in **Section 2.4**, Mid-Atlantic contracted with Matrix to complete a ACM and lead-based paints survey at the subject site. Matrix did not identify ACM or lead-based paints in Building 1; however, Matrix did identify ACM and lead-based paint in Buildings 2 and 3 of the subject site. A material is considered by the EPA to be asbestos-containing if asbestos is present in a quantity greater than one percent. Asbestos was detected in samples of vinyl sheet flooring, exterior door caulk, roofing materials, stoop mastic, and exterior window glazing collected from Building 2 and in samples of exterior door caulk, vinyl sheeting,

mastic, thermal system insulation, window glazing, and roof flashing collected from Building 3. Lead-based paint was identified on the exterior portions of Building 2 and sampled materials exhibited lead contents greater than 9.9 mg/cm² (for the purpose of this survey, paints with concentrations of 1.0 mg/cm² or greater were considered lead-based paint). Additionally, lead-based paint was identified at several locations in Building 3 based on samples collected from painted wood, bricks, and metals, which exhibited concentrations between 1.0 and greater than 9.9 mg/cm². Refer to **Tables 3.4 and 3.5** and **Appendix D** for further information.

4.0 QUALITY ASSURANCE

The QAPP and the SSQAPP set forth the procedures and methods for data collection, and defined the specific procedures and adjustments necessary to maintain data quality to support the project decision. The Limited Environmental Site Assessment (ESA) required both field and laboratory checks to monitor conformance to project quality limits.

4.1 Property-Specific Corrective Actions

The investigation field methods were reviewed during the data verification audit discussed in the next paragraph. The field methods used were consistent with the EPAs guidelines included in Appendices D and E of the QAPP (note that the SSQAPP referenced the QAPP for field procedures) with the following exceptions:

- The turbidity values from purging the permanent monitoring wells exceeded 10 NTU. The wells were purged for time periods ranging from 20 to 35 minutes in an attempt to lower turbidity values. Two monitoring wells yielded water of slight turbidity (12.4 to 13.9 NTU) and the remaining four monitoring wells yielded water of moderate turbidity (45.5 to 56.5 NTU).

Data verification and data validation audits were completed by Mid-Atlantic before this report was prepared. In addition to the turbidity values noted above, the following deficiencies were discovered that were related to the field drilling/sampling and laboratory testing program:

- The planned sample locations for sub-slab soil gas points VP-3, VP-4, and VP-5 were changed based on field observations that revealed a large crawlspace (that ranged in height from approximately two feet to approximately five feet). In accordance with the SSQAPP, movement of the sample locations was discussed and approved by the Project Manager;
- The groundwater trip blank was not analyzed for semi-VOCs in accordance with the SSQAPP due to an error in communication with the laboratory, who only supplied a trip blank suitable for testing of VOCs only;

- The ACM and lead-based paints survey contractor used a laboratory that's not listed in the QAPP for asbestos testing of samples collected at the site; and
- The minimum detection limits for several VOCs for soil, groundwater, and sub-slab soil gas; and for several semi-VOCs for soil and groundwater were above the most stringent action levels and/or screening levels applicable to the site, as discussed further below.

4.2 Quality Control Parameters

To assess whether quality assurance objectives for this project have been achieved, the following QC parameters were considered: precision, accuracy, representativeness, comparability, completeness and sensitivity.

4.2.1 Precision and Accuracy

As described in the QAPP, precision is evaluated using the relative percent difference (RPD) between an actual sample and a duplicate sample. In accordance with the SSQAPP, one duplicate soil sample, one duplicate groundwater sample, one duplicate sub-slab soil gas sample, one equipment rinse blank sample and one trip blank sample were collected during the limited ESA activities. A comparison of the detected concentrations for the primary samples and their associated duplicate samples was made to evaluate the reproducibility of the sample results based on the laboratory analysis and sample collection and transportation procedures. The variability of the results for the primary and duplicate samples were evaluated by calculating the RPD and percent ratio for each analyte among the duplicate pairs using the formula below

$RPD = [(x_1 - x_2) / x] \times 100\%$ Where:

x_1 = concentration of sample 1 of pair,

x_2 = concentration of sample 2 of pair, and

x = average of sample 1 and sample 2.

Percent Ratio = $(x_1 / x_2) \times 100\%$.

RPD percentages <35% indicate "good/acceptable" variability, a %RPD >35% but < 50% indicated that the variability was "slightly high", and a %RPD >50% indicated a "high" degree of variability.

Soils

The results of the comparisons for the one duplicate soil sample pair from the August 2016 field work is listed in **Table 4.1**. As indicated, for VOC compounds analyzed by EPA Method 8260, precision was determined to be “good/acceptable” for each compound detected in both samples with the exception of naphthalene (by EPA Method 8260), which was determined to be “slightly high”. For SVOC compounds analyzed by EPA Method 8270, precision was determined to be “slightly high” to “high” for each compound detected in both samples.

Groundwater

The results of the comparisons for the one duplicate groundwater sample pair from the August 2016 field work is listed in **Table 4.2**. As indicated, only one compound was detected in each sample and precision was determined to be “good/acceptable” for the compound (m,p-xylenes).

Sub-Slab Soil Gas

The results of the comparisons for the one duplicate sub-slab soil gas sample pair from the August 2016 field work is listed in **Table 4.3**. As indicated, precision was determined to be “good/acceptable” for each compound detected in both samples. Note that two compounds, carbon disulfide and trichloroethene, were detected in the duplicate soil gas sample and not in the primary sample.

Accuracy is evaluated using a percent recovery measured in spiked and unspiked samples. Accuracy is a function of the laboratory method, and parameters regarding accuracy are included in the lab report provided by the laboratory.

4.2.2 Representativeness

Mid-Atlantic has evaluated the representativeness of the limited ESA activities to document the degree to which the sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Review of field methods and procedures indicated that sample collection, handling and transportation were conducted in general accordance with the QAPP and SSQAPP. Review of analytical results indicates that the analytical data is generally uniform and consistent between sampling points.

4.2.3 Completeness

Soil: A total of seven¹ soil samples were collected for analysis of the following tests: VOCs (7 samples), semi-VOCs (7 samples), and 8-RCRA Metals (7 samples). For the laboratory analyses, the SSQAPP specified analyses of seven samples for VOCs, semi-VOCs, and 8-RCRA Metals (including testing of 1 duplicate soil sample). Completeness for VOC testing was 100%, semi-VOC testing was 100%, and 8-RCRA Metals testing was 100%.

Groundwater: A total of nine² water samples were collected for analysis of the following tests: VOCs (9 samples) and semi-VOCs (8 samples). For the laboratory analyses, the SSQAPP specified analyses of nine samples for VOCs (including testing of 1 duplicate groundwater sample, 1 trip blank, and 1 equipment rinse blank) and nine samples for semi-VOCs (including 1 duplicate sample, 1 trip blank, and 1 equipment rinse blank). The laboratory only supplied a trip blank for VOCs and not for semi-VOCs and therefore the trip blank was not analyzed for semi-VOCs. Completeness for VOC testing was 100% and for semi-VOC testing was 88.9%.

Sub-Slab Soil Gas: A total of seven³ sub-slab soil gas samples were collected for analysis of the following tests: VOCs (7 samples). For the laboratory analyses, the SSQAPP specified analyses of seven samples for VOCs (including testing of 1 duplicate sub-slab soil gas sample). Completeness for VOC testing was 100%.

4.2.4 Comparability

To produce comparable data, the units specified for analytical results obtained during the field activities are consistent throughout this project. The soil tables (**Tables 3.1** and **4.1**) have units of milligrams per kilogram (mg/Kg), groundwater tables (**Tables 3.2** and **4.2**) have units of micrograms per Liter ($\mu\text{g/L}$), and sub-slab soil gas tables (**Tables 3.3** and **4.3**) have units of micrograms per cubic meter ($\mu\text{g/m}^3$). The soil, water, and soil gas units used in the report tables are similar to the units included in the State and EPA action levels and/or screening levels that are used for comparison.

4.2.5 Sensitivity

Laboratory quantitation limits (reporting limit and/or MDL) for soils, groundwater, and soil gas were sufficient to report concentrations below the most stringent action levels and/or screening levels (residential and/or protection of groundwater PSRGs for soils; 2L North Carolina Groundwater Standards for groundwater; and DWM Residential Vapor Intrusion

¹ Including one duplicate soil sample from boring SB-5.

² Including one duplicate groundwater sample from well MW-2, an equipment rinse blank, and a trip blank.

³ Including one duplicate sub-slab soil gas sample from VI-5.

Screening Levels for soil gas) in undiluted samples with the exception of the following:

- Soils:** EPA Method 8260 - 1,2-dibromoethane and 1,2,3-trichloropropane
EPA Method 8270 - 1,4-dichlorobenzene, phenol, bis(2-chloroethyl)ether, hexachlorobenzene, 2,4-dichlorophenol, 2,4-dinitrotoluene, indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(a)anthracene, 2,6-dinitrotoluene, N-Nitroso-di-n-propylamine, hexachlorocyclopentadiene, isophorone, hexachlorobutadiene, pentachlorophenol, 2,4,6-trichlorophenol, 1-methylnaphthalene, naphthalene, and 1,2-dichlorobenzene
- Groundwater:** EPA Method 8260 - 1,2-dibromoethane, vinyl chloride, 1,2-dibromo-3-chloropropane, 1,2,3-trichloropropane
EPA Method 8270 - bis(2-chloroethyl)ether, hexachlorobenzene, indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(a)anthracene, N-nitrodiphenylamine, hexachlorobutadiene, pentachlorophenol, and 2-chlorophenol
- Soil Gas:** EPA Method TO-15 - 1,1,2-trichloroethane, 1,2-dibromoethane (EDB), and hexachlorobutadiene

The above listed analytes have very low action levels. North Carolina regulations do not consider a compound above the NCGQS unless it is detected above the laboratory reporting limit, which is set at a higher level than the MDL. Refer to **Section 4.3** for additional information.

4.3 Laboratory Data Evaluation

The laboratory completed validation and verification of laboratory processes and data, and delivered a laboratory report to the Mid-Atlantic Project Manager. The laboratory report and the QC information contained therein documents compliance to the QAPP.

The following qualifiers were used by the contract laboratory in this report when presenting data for the limited ESA samples and QA/QC samples collected by Mid-Atlantic :

- “A” – Average response is below established range. CCV response is within range.
- “Aa” – Probable lab contaminant.
- “Ab” – Response factor is outside established range. CCV result is above range.
- Analyte not detected in sample.

“CCV” – CCV result is above the control limits. Analyte not detected in the sample. No further action taken.

“D” – RPD value outside of the control limits.

“ISB” – Both 5035 VOA samples resulted in low internal standard recovery. Analysis repeated using bulk sample container.

“J” – Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

“L” – Parameter reported with possible low bias. LCS recovery below the QC limit.

“LH” – High LCS recovery. Analyte not detected in the sample(s). No further action taken.

“MC” – Sample concentration too high for recovery evaluation.

“RL” – Increased RL because of the sample matrix.

“SR” – Surrogate recovery outside the QC limits.

“P” – Recovery outside of the QC limits due to inconsistency during extraction and chromatographic performance of this compound.

“BRL” – Below Reporting Limit.

“MDL” – Method Detection Limit.

“RPD” – Relative Percent Difference.

“QL-1H” – The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.

“LCC” – Leak Check Compound.

“ND” – Analyte Not Detected at or above the reporting limit.

“%REC” – Relative Percent Difference.

Data usability determination is also a part of data evaluation. After data validity has been assessed, that is, the analytical data has been reviewed and qualifier codes have been applied, these data were individually identified and assessed for usability. Sample data (both with and without qualifier codes) may be generally spoken of as either qualitative (Level A), quantitative (Level B), or unusable. Typically, certain samples with a specific matrix may have parameters that require qualifier codes. A discussion of these qualifier codes for each level is provided below.

4.3.1 Qualitative Data – Level A

Qualitative data are often referred to as Level A data. All screening data is considered Level A data. Screening data may not be considered as Level B data, and cannot be used to make site management decisions. Data in this level also include “J” coded data. These data are considered to be an estimated quantity, i.e., a presence or absence value. Data having been given a “J” code were not automatically classified as qualitative data only; these data were considered as Level B (quantitative) data depending on bias, and were evaluated on a case

by case basis. Data reported with a “BRL” code can also be classified as Level B data provided the detection limit was not above an applicable regulatory action level for that analyte. All field-screening and field-instrument-derived data was accepted as Level A. These data were not considered for inclusion as Level B data and will not be used to make site decisions. All analytical data received as part of the analytical package for this site were accepted as Level A data.

4.3.2 Quantitative Data – Level B

Data at this level are referred to as Level B data. Only data meeting all field and analytical data usability requirements may be classified as Level B data. This means all quality assurance parameters have been satisfied, including quality control and quality assessment. Only data that were found to be analytically valid and passed all criteria for Level A were considered for classification at Level B. These data are considered definitive and may be used for any purpose.

In reviewing the laboratory report, the soil and groundwater samples had several analytes reported as detections with “J” data qualifiers, indicating the reported value is an estimate reported within the 95% confidence interval. These compounds (“J value”) were detected above the MDL, but below the reporting limit or “RL”. The MDL is the lowest concentration at which an analyte can be detected in a sample by the particular laboratory method used. “Detected” indicates that the analyte can be distinguished from the blank with reasonable certainty. The reporting limit (also called practical quantitation limit, or PQL) is approximately five times the MDL or the lower calibration standard, whichever is higher. Results above the reporting limit can be distinguished from the blank and fall within applicable standard curves. For the purposes of this assessment, “J value” qualified data are considered acceptable for making site management decisions as these data are not the sole determinant of “clean.” These data are accepted as Level B data.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The principal objective of this assessment was to provide analytical data to document site-wide soil and groundwater quality from historical uses of the site and adjoining properties and to determine if vapor intrusion may hinder potential future redevelopment activities. Mid-Atlantic offers the following conclusions based on the results of this assessment as they pertain to redevelopment:

- In the area of the former coal pile and waste house located near the southwest portion of the subject site, one VOC (methylene chloride) and two semi-VOCs (1-methylnaphtalene and 2-methylnaphtalene) were detected in soil at concentrations that exceed the protection of groundwater PSRG established by

the DWM. Additional VOC and SVOC concentrations were flagged by the laboratory as “estimated” because the analytes were detected at concentrations below the laboratory reporting limit;

- Soil samples from the area of the former coal pile and waste house exhibited metals exceeding DWM PSRGs. Arsenic was detected in all soil samples collected from the site at concentrations exceeding the residential, industrial/commercial, and/or protection of groundwater PSRGs. Selenium was detected in the duplicate sample of SB-5 at a concentration above the protection of groundwater PSRG (note that selenium was detected in sample SB-5 at a concentration of 2.0 mg/Kg, which is below the 2.1 mg/Kg protection of groundwater PSRG for selenium);
- Soil samples collected from the site exhibited residential cancer risk sums below the target cancer risk sum of 1.0E-04 and/or residential cumulative non-cancer hazard indexes below the target cumulative non-cancer hazard index of 1.0;
- Groundwater collected at the subject site did not exhibit constituents above their respective NCGQS;
- Based on groundwater table elevations calculated for the site, groundwater flow below the site is generally to the south, towards the Neuse River;
- Sub-slab soil gas samples collected from Building 1 and 3 of the subject site did not exhibit constituents above the DWM Residential or Non-Residential Vapor Intrusion Screening Levels;
- Several solvents, including tetrachloroethylene and trichloroethylene were detected in soil gas collected from the site; however, these concentrations were below DWM Residential and Non-Residential Vapor Intrusion Screening Levels;
- A total of ten 55-gallon drums were removed from the site, including two drums that were leaking. Profiles created for these drums before transport off-site revealed that the drums contained lubricants, flocculants, and water-based dyes; and
- The ACM and lead-based paint survey conducted for all structures at the subject site document the presence of ACM and lead-based paint in Buildings 2 and 3 of the subject site.

Based on the data collected to date, contaminants of concern (CoCs) are present at the subject site. The detectable VOCs in soil are present at concentrations below their established residential PSRGs while arsenic and selenium are present at concentrations above their industrial/commercial and protection of groundwater PSRGs, respectively. However, risk calculations of soil samples exhibit sample residential cancer risk sums below the target cancer risk sum of 1.0E-04 and target cumulative non-cancer hazard index of 1.0. Although low levels of CoCs were detected in the groundwater samples collected at the site (most were estimated concentrations), concentrations were below their respective NCGQS. Additionally, sub-slab soil gas data collected from the site indicates the presence of CoCs; however, the concentrations of these CoCs are present at levels below DWM Residential Vapor Intrusion Screening Levels. Therefore, current

data does not suggest that a vapor intrusion condition exists at the site. Based on the data collected during this investigation, the level of CoCs in soil, groundwater, and sub-slab soil gas should not pose a health risk to current or future occupants or an impediment to future redevelopment of the site. The ACM and lead-based paint identified in Buildings 2 and 3 need to be taken into consideration and addressed appropriately during potential redevelopment of the site.

6.0 REFERENCES

[Listed Chronologically]

EPA, 2003, *Proceedings and Summary Report, U.S. EPA Workshop on Managing Arsenic Risks the Environment: Characterization of Waste, Chemistry and Treatment and Disposal*, May 1-3, 2001, Denver, Colorado, National Risk Management Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, Ohio, October 2003, page 34.

NCDA, 2008, *Heavy Metals in North Carolina Soils, Occurrence and Significance*, David H. Hardy, Jeana Myers and Catherine Stokes, Agronomic Division, North Carolina Department of Agriculture and Consumer Services, Raleigh, North Carolina, revised September 2008.

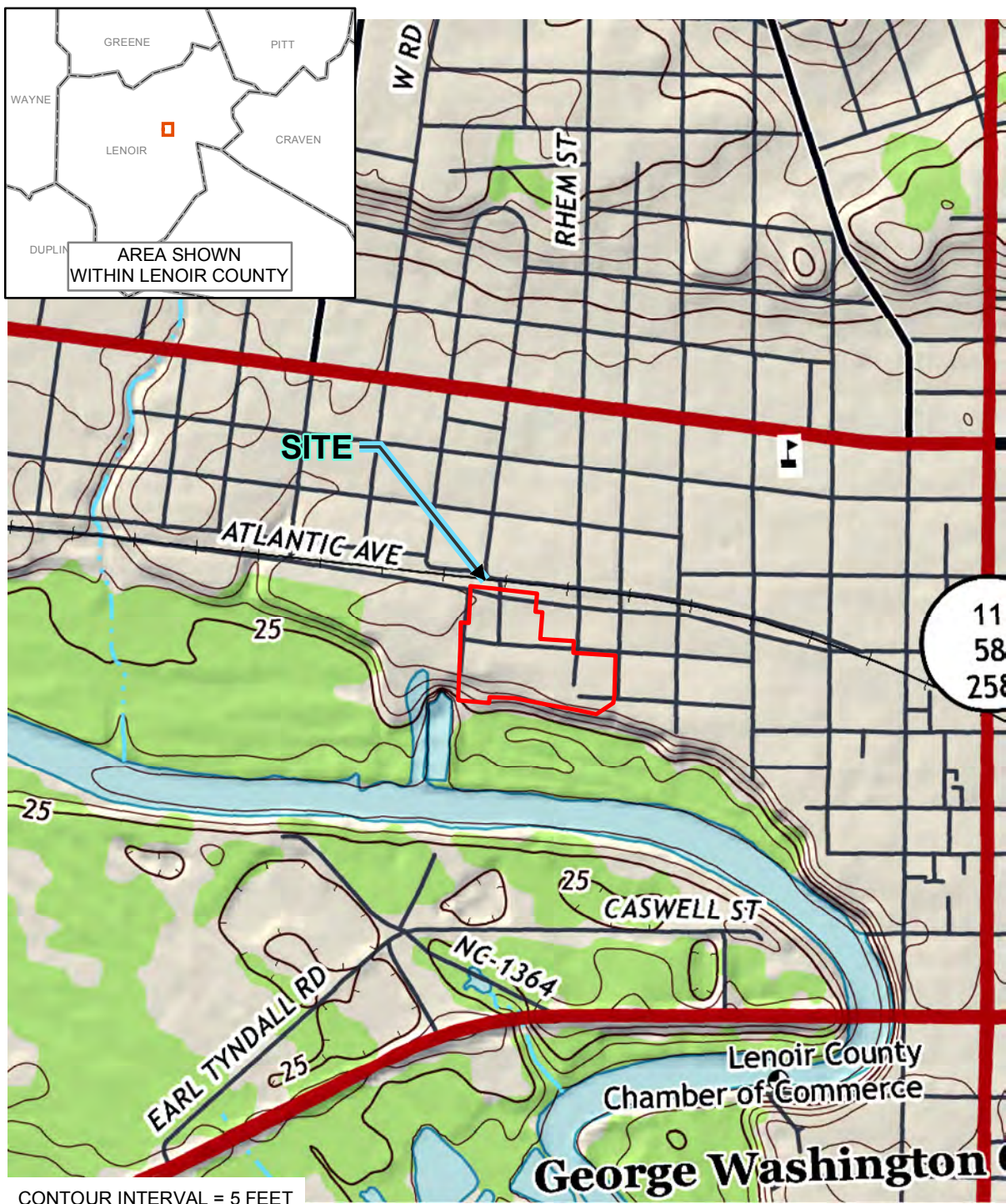
Mid-Atlantic, 2015, *Generic Quality Assurance Project Plan, Brownfield Assessment and Cleanup, Kinston, North Carolina*, Mid-Atlantic Associates, Inc., Raleigh, North Carolina, April 22, 2015.

IHSB, 2015, *North Carolina Inactive Hazardous Sites Program Guidelines for Assessment and Cleanup*, Department of Environmental Quality, Division of Waste Management, Superfund Section, Inactive Hazardous Sites Branch, October 2015

North Carolina Inactive Hazardous Sites Branch Soil Remediation Goals, Division of Waste Management, North Carolina Department of Environmental Quality, April 2016

Mid-Atlantic, 2016, *Site-Specific Quality Assurance Project Plan, Limited Site Assessment Addendum 3-A, Former Glen Raven Mill, 800 Manning Street, Kinston, Lenoir County, North Carolina*, Mid-Atlantic Associates, Inc., Raleigh, North Carolina, April 25, 2016.

DRAWINGS



CONTOUR INTERVAL = 5 FEET

REFERENCES:

1. KINSTON, NC DIGITAL RASTER GRAPHIC, USGS. SCANNED FROM 1:12,000-SCALE KINSTON, NC TOPOGRAPHIC MAP, PUBLISHED 2013, USGS.
2. INSET MAP DIGITAL DATA FROM 2002 NATIONAL TRANSPORTATION ATLAS, BUREAU OF TRANSPORTATION STATISTICS, WASHINGTON, D.C.

SCALE: 1:12,000

0 1,000 2,000 Feet



TOPOGRAPHIC SITE MAP
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA

DRAWN BY:		DATE:	OCTOBER 2016
DRAFT CHECK:		JOB NO:	000R2611.00 T4055
ENG. CHECK:	DMM	GIS NO:	03G-R2611.00-4055-1
APPROVAL:	DMM	DWG NO:	1.1



Legend

SUBJECT SITE

PROPERTY LINES

AREA OF CONCERN

SB-1

SOIL BORING LOCATION

MW-5

GROUNDWATER MONITORING WELL

VP-6

SUB-SLAB SOIL GAS SAMPLE LOCATION

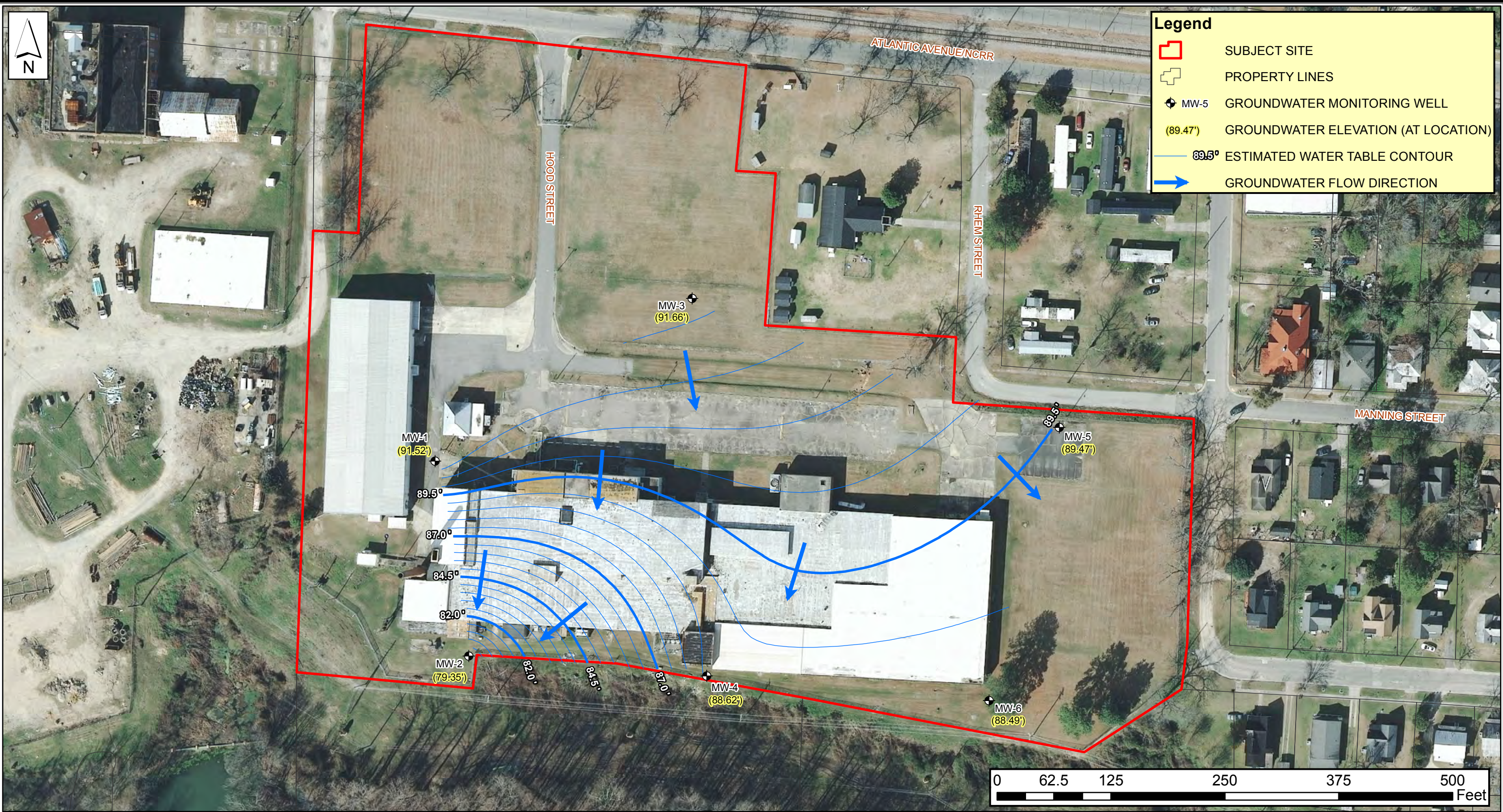
Mid Atlantic

Engineering & Environmental Solutions

AREAS OF CONCERN AND SOIL BORING, SUB-SLAB SOIL GAS,
AND MONITORING WELL LOCATION MAP
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA

DRAWN BY:	DATE: OCTOBER 2016
DRAFT CHECK BY:	JOB NO.: 000R2611.00 T4055
ENGINEER CHECK BY: DMM	GIS NO.: 3G-R2611.00 T4055-3
APPROVED BY: DMM	DRAWING NO.: 2.1

REFERENCES: APRIL 2012 ORTHOPHOTOGRAPH PROVIDED BY NC ONEMAP. MID-ATLANTIC FIELD NOTES. PARCEL AND ROAD GIS DATA PROVIDED BY LENOIR CO. GIS.



ESTIMATED WATER TABLE CONTOUR MAP
AUGUST 23, 2016
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA

DRAWN BY:	DATE: OCTOBER 2016
DRAFT CHECK BY:	JOB NO.: 000R2611.00 T4055
ENGINEER CHECK BY: DMM	GIS NO.: 3G-R2611.00 T4055-4
APPROVED BY: DMM	DRAWING NO.: 2.2

REFERENCES: APRIL 2012 ORTHOPHOTOGRAPH PROVIDED BY NC ONEMAP. MID-ATLANTIC FIELD NOTES. PARCEL AND ROAD GIS DATA PROVIDED BY LENOIR CO. GIS.

TABLES

TABLE 2.1
WATER LEVEL MEASUREMENTS
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

WELL NUMBER	DATE	TOC (ft)	DTW (ft), BTOC	SWLE (ft)
MW-1	8/23/16	98.71	7.19	91.52
MW-2	8/23/16	87.63	8.28	79.35
MW-3	8/23/16	96.41	4.75	91.66
MW-4	8/23/16	92.04	3.42	88.62
MW-5	8/23/16	97.77	8.30	89.47
MW-6	8/23/16	97.27	8.78	88.49

Notes and Abbreviations:

1. All elevations shown relative to site benchmark (base of fire hydrant in front of main warehouse) - Assumed datum 100.00 feet.
 2. Measuring point is top of well (TOC) casing unless otherwise noted.
- BTOC - Below Top of Casing (TOC). Top of monitoring well pipe is 2 to 3 inches below the land surface.
- DTW - Depth-to-Water in feet
- SWLE - Static Water Elevation in feet

TABLE 3.2
SUMMARY OF CHEMICAL CONSTITUENTS DETECTED IN GROUNDWATER
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. R2611.00 T4055

CHEMICAL CONSTITUENT	CONCENTRATION (µg/L)							
	MW-1	MW-2	Duplicate (of MW-2)	MW-3	MW-4	MW-5	MW-6	NC Groundwater Quality Standards
Volatile Organic Compounds - 8260B								
Acetone	--	--	--	--	19	--	--	6,000
Chloroform	--	--	--	--	4.8	--	1.1	70
Diethyl phthalate	--	--	--	--	4.2 J	--	--	6,000
Methyl Ethyl Ketone	--	--	--	--	0.57 J	--	--	4,000
Methyl Isobutyl Ketone	--	--	--	--	7.0	--	--	NL
Naphthalene	--	--	--	--	0.86 J	--	--	6
Toluene	--	--	--	--	0.57	--	--	600
Xylenes, total	--	0.59 J	0.56 J	0.74 J	0.65 J	0.57 J	--	500

Notes:

Bold values denote that analyte was detected above its 2L North Carolina Groundwater Quality Standard

-- = Analyte Not Detected Above the Method Detection Limit

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

NL = No NCGQS listed for analyte

TABLE 3.3
SUMMARY OF CHEMICAL CONSTITUENTS DETECTED IN SUB-SLAB SOIL GAS
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, LENOIR COUNTY, NORTH CAROLINA
MID-ATLANTIC PROJECT NO. 000R2611.00 T4055

ANALYTE	DWM Residential Soil Gas Vapor Intrusion Screening Levels March 2016 (µg/m³)	DWM Non- Residential Soil Gas Vapor Intrusion Screening Levels March 2016 (µg/m³)	SAMPLE LOCATION						
			COLLECTION DATE						
			VP-1 8/19/2016	VP-2 8/19/2016	VP-3 8/19/2016	VP-4 8/19/2016	VP-5 8/19/2016	DUPLICATE (OF VP-5) 8/19/2016	VP-6 8/19/2016
			ANALYTE CONCENTRATION (µg/m³)						
Trichlorofluoromethane (F11)	~	~	12	8.2	20	64	24	28	64
Dichlorodifluoromethane (F12)	695	8,760	--	--	4.0	--	--	--	18
Methylene chloride (Dichloromethane)	4,170	52,600	--	--	2.0 QL-1H	8.3 QL-1H	--	--	--
Carbon disulfide	4,870	61,300	--	--	3.0	--	--	2.3	3.9
trans-1,2-Dichloroethene	~	~	--	--	--	3.3	--	--	--
2-Butanone (MEK)	34,800	438,000	6.2	7.2	9.0	43	8.2	7.4	5.7
cis-1,2-Dichloroethene	~	~	--	--	--	3.4	--	1.8	--
Chloroform	40.7	533	--	--	--	--	1.7	1.7	--
1,1,1-Trichloroethane	34,800	438,000	--	--	15	3.4	--	--	--
Benzene	120	1,570	1.0	2.0	4.7	1.4	2.3	1.8	2.5
Trichloroethene	13.9	175	--	4.2	--	6.5	--	12	--
4-Methyl-2-pentanone (MIBK)	20,900	263,000	--	4.5	3.8	4.2	--	--	--
Toluene	34,800	438,000	7.0	13	20	3.6	5.2	4.2	13
Tetrachloroethene	278	3,500	--	2.9	3.9	7.2	5.0	5.2	--
Ethylbenzene	374	4,910	--	2.4	4.0	2.5	--	--	2.9
m,p-Xylene	695	8,760	5.1	8.7	14	5.0	3.1	2.5	11
Styrene	6,950	87,600	--	5.3	12	--	--	--	6.3
o-Xylene	695	8,760	--	4.1	5.5	--	--	--	3.8
Chloromethane	626	7,880	--	--	3.2	1.8	--	--	--
1,2,4-Trimethylbenzene	48.7	613	2.0	3.3	5.5	--	--	--	4.4
1,4-Dichlorobenzene	85.1	1,110	--	3.5	3.2	--	--	--	3.2

NOTES:

-- = Analyte Not Detected Above the Method Detection Limit

QL-1H = The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high

~ = No DWM Residential or Non-Residential screening level

Bold values exceed the residential soil gas screening level

Risk Calculations were only performed for samples that contained one or more analyte concentration in exceedence of the DWM Residential Screening Levels

TABLE 3.4
SUMMARY OF ASBESTOS CONTAINING MATERIALS SURVEY RESULTS
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

MATERIAL	GENERAL LOCATION & APPROXIMATE QUANTITY	TYPE AND PERCENTAGE OF ASBESTOS PRESENT
BUILDING TWO - OFFICE		
Vinyl Sheet Flooring Under Carpet	Office areas (800 sq/ft)	15% Chrysotile
Exterior Door Caulk	Exterior Doors (25 ln/ft)	6% Chrysotile
Roofing Debris (Paint on Gravel)	Side Porch (50 sq/ft)	5% Chrysotile
Stoop Mastic	Above Side Entrance (10 ln/ft)	6% Chrysotile
Exterior Window Glazing (Metal Windows)	Front of Building (15 ln/ft)	3% Chrysotile
Roof Shingles	Roof (1,000 sq/ft)	18% Chrysotile
Roof Flashing	Roof Perimeter (50 ln/ft)	4% Chrysotile
BUILDING THREE - MANUFACTURING		
Fire Doors	Throughout (Unknown)	Assumed
Exterior Door Caulk (Brown)	Exterior Doors (100 ln/ft)	5-6% Chrysotile
Tan Vinyl Sheet Flooring (Speckled Pattern)	Cafeteria (1,300 sq/ft)	15% Chrysotile
Black Mastic	AC Units (500 sq/ft)	10% Chrysotile
Thermal System Insulation (Debris)	Crawlspace (Unknown)	25-28% Amosite 2-5% Chrysotile
Window Glazing	Basement (30 ln/ft)	2% Chrysotile
Roof Flashing	Roof Perimeter (2,500 ln/ft)	3% Chrysotile
Exterior Window Glazing	Roof Windows (500 ln/ft)	2% Chrysotile

Notes:

1. Analysis Method: EPA 600/R-93/116 Method using Polarized Light Microscopy
2. Table reproduced based on Matrix Health & Safety Consultants, LLC. "Survey for the presence of Asbestos-Containing Materials and Lead-Based Paints" dated August 23, 2016
3. Wall or side A is typically the side of the main entrance, then moving clockwise would be wall/side B,C, or D

TABLE 3.5 SUMMARY OF LEAD-BASED PAINT SURVEY RESULTS FORMER GLEN RAVEN MILL 800 MANNING STREET KINSTON, NORTH CAROLINA MID-ATLANTIC JOB NO. 000R2611.00 T4055					
COMPONENT	SUBSTRATE	COLOR	LOCATION	LEAD CONTENT (mg/cm ²)	CONDITION
BUILDING TWO - OFFICE					
Exterior Fascia	Wood	Blue	All Sides	>9.9	Deteriorated
Exterior Soffit	Wood	White	All Sides	>9.9	Deteriorated
Exterior Window Casing and Sash	Wood	White	Sides B, C, and D	>9.9	Deteriorated
BUILDING THREE - MANUFACTURING					
Exterior Corner Board	Metal	Light Green	Side A	>9.9	Intact
Exterior Soffit and Support	Wood	Wood	Side A	7.3 - >9.9	Deteriorated
Interior Window Sash	Wood	Gray	Foyer (Side A)	4.4	Deteriorated
Interior Wall	Brick	Blue	Foyer (Side B)	1.0	Deteriorated
Interior Columns (Posts)	Brick	Dark Blue	Manufacturing Area	6.7	Deteriorated
Interior Railing	Metal	Yellow	Chiller Room	1.0	Intact
Interior Column (Posts)	Wood	Blue	Manufacturing Area	4.1	Deteriorated
Interior Sliding Door	Metal	Blue	Manufacturing Area	2.1	Deteriorated
Interior Door	Metal	Blue	Basement	3.8	Deteriorated
Interior Window Casing and Sash	Metal	Gray	Basement	5.1 - 9.6	Deteriorated

Notes:

1. Matrix used an LPA-1 Lead Paint Spectrum Analyzer (XRF) to determine lead content
2. Table reproduced based on Matrix Health & Safety Consultants, LLC. "Survey for the presence of Asbestos-Containing Materials and Lead-Based Paints" dated August 23, 2016
3. Wall or side A is typically the side of the main entrance, then moving clockwise would be wall/side B,C,

TABLE 4.1
SOIL SAMPLE/SAMPLE DUPLICATE COMPARISON: "SB-5" AND "DUPLICATE"
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

PRIMARY SAMPLE:			SB-5			DUPLICATE SAMPLE:			DUPLICATE			AVG. of Results for RPD Calc.	Absolute Difference between Results	% RPD (Note 1) [(x1-x2)/AVG * 100]	% Ratio (Note 2) [(x1/x2) * 100]	Variability (Note 1) (Based on %RPD)
SAMPLING DATE:			8/3/2016			SAMPLING DATE:			8/3/2016							
Parameter	Method	Units	Result	Qualif	RL	Parameter	Method	Units	Result	Qualif	RL					
Lead	6010D	ug/L	19	--	0.062	Lead	6010D	ug/L	16	--	0.058	17.5	3	17.1	118.8	Good/Acceptable
Silver	6010D	ug/L		U	0.0083	Silver	6010D	ug/L		U	0.0078					
Arsenic	6010D	ug/L	24	--	0.041	Arsenic	6010D	ug/L	20	--	0.038	22	4	18.2	120.0	Good/Acceptable
Barium	6010D	ug/L	74	--	0.098	Barium	6010D	ug/L	83	--	0.092	78.5	9	11.5	89.2	Good/Acceptable
Cadmium	6010D	ug/L		U	0.009	Cadmium	6010D	ug/L		U	0.0084					
Chromium	6010D	ug/L	3.6	--	0.056	Chromium	6010D	ug/L	4	--	0.053	3.8	0.4	10.5	90.0	Good/Acceptable
Selenium	6010D	ug/L	2	--	0.16	Selenium	6010D	ug/L	2.2	--	0.15	2.1	0.2	9.5	90.9	Good/Acceptable
Mercury	7471B	ug/L	0.12	--	0.0015	Mercury	7471B	ug/L	0.14	--	0.0013	0.13	0.02	15.4	85.7	Good/Acceptable
Ethylbenzene	8260B	ug/L		U	0.00028	Ethylbenzene	8260B	ug/L		U	0.00031					
Styrene	8260B	ug/L		U	0.00045	Styrene	8260B	ug/L		U	0.00049					
cis-1,3-Dichloropropylene	8260B	ug/L		U	0.00025	cis-1,3-Dichloropropylene	8260B	ug/L		U	0.00027					
trans-1,3-Dichloropropylene	8260B	ug/L		U	0.00039	trans-1,3-Dichloropropylene	8260B	ug/L		U	0.00043					
n-Propylbenzene	8260B	ug/L		U	0.00044	n-Propylbenzene	8260B	ug/L		U	0.00048					
n-Butylbenzene	8260B	ug/L		U	0.00038	n-Butylbenzene	8260B	ug/L		U	0.00041					
4-Chlorotoluene	8260B	ug/L		U	0.00044	4-Chlorotoluene	8260B	ug/L		U	0.00048					
1,4-Dichlorobenzene	8260B	ug/L		U	0.00029	1,4-Dichlorobenzene	8260B	ug/L		U	0.00032					
1,2-Dibromoethane	8260B	ug/L		U	0.0003	1,2-Dibromoethane	8260B	ug/L		U	0.00033					
1,2-Dichloroethane	8260B	ug/L		U	0.00044	1,2-Dichloroethane	8260B	ug/L		U	0.00048					
Vinyl acetate	8260B	ug/L		U	0.001	Vinyl acetate	8260B	ug/L		U	0.0011					
Methyl Isobutyl Ketone	8260B	ug/L		U	0.00063	Methyl Isobutyl Ketone	8260B	ug/L		U	0.00069					
Isopropyl Ether	8260B	ug/L		U	0.0003	Isopropyl Ether	8260B	ug/L		U	0.00033					
m,p-Xylenes	8260B	ug/L		U	0.00068	m,p-Xylenes	8260B	ug/L		U	0.00075					
1,3,5-Trimethylbenzene	8260B	ug/L		U	0.00056	1,3,5-Trimethylbenzene	8260B	ug/L		U	0.00061					
Bromobenzene	8260B	ug/L		U	0.00062	Bromobenzene	8260B	ug/L		U	0.00068					
Toluene	8260B	ug/L		U	0.00043	Toluene	8260B	ug/L		U	0.00046					
Chlorobenzene	8260B	ug/L		U	0.00039	Chlorobenzene	8260B	ug/L		U	0.00043					
1,2,4-Trichlorobenzene	8260B	ug/L	0.0046	JD	0.00055	1,2,4-Trichlorobenzene	8260B	ug/L		U	0.0006					
Dibromochloromethane	8260B	ug/L		U	0.00031	Dibromochloromethane	8260B	ug/L		U	0.00033					
Tetrachloroethylene	8260B	ug/L		U	0.00035	Tetrachloroethylene	8260B	ug/L		U	0.00039					
Xylenes, total	8260B	ug/L		U	0.0014	Xylenes, total	8260B	ug/L		U	0.0015					
sec-Butylbenzene	8260B	ug/L		U	0.00036	sec-Butylbenzene	8260B	ug/L		U	0.00039					
1,3-Dichloropropane	8260B	ug/L		U	0.00037	1,3-Dichloropropane	8260B	ug/L		U	0.00041					
cis-1,2-Dichloroethylene	8260B	ug/L		U	0.00032	cis-1,2-Dichloroethylene	8260B	ug/L		U	0.00034					
trans-1,2-Dichloroethylene	8260B	ug/L		U	0.00044	trans-1,2-Dichloroethylene	8260B	ug/L		U	0.00048					
Methyl-tert-Butyl Ether	8260B	ug/L		U	0.00024	Methyl-tert-Butyl Ether	8260B	ug/L		U	0.00026					
1,3-Dichlorobenzene	8260B	ug/L		U	0.00049	1,3-Dichlorobenzene	8260B	ug/L		U	0.00054					
Carbon Tetrachloride	8260B	ug/L		U	0.00037	Carbon Tetrachloride	8260B	ug/L		U	0.0004					
1,1-Dichloropropylene	8260B	ug/L		U	0.00041	1,1-Dichloropropylene	8260B	ug/L		U	0.00044					
Methyl Butyl Ketone (2-Hexanone)	8260B	ug/L		U	0.00067	Methyl Butyl Ketone (2-Hexanone)	8260B	ug/L		U	0.00073					
2,2-Dichloropropane	8260B	ug/L		U	0.00035	2,2-Dichloropropane	8260B	ug/L		U	0.00039					
1,1,1,2-Tetrachloroethane	8260B	ug/L		U	0.00061	1,1,1,2-Tetrachloroethane	8260B	ug/L		U	0.00067					
Acetone	8260B	ug/L		U	0.0018	Acetone	8260B	ug/L		U	0.002					
Chloroform	8260B	ug/L		U	0.00054	Chloroform	8260B	ug/L		U	0.00058					
Benzene	8260B	ug/L		U	0.00043	Benzene	8260B	ug/L		U	0.00047					
1,1,1-Trichloroethane	8260B	ug/L		U	0.00036	1,1,1-Trichloroethane	8260B	ug/L		U	0.00039					
Bromomethane	8260B	ug/L		U	0.00091	Bromomethane	8260B	ug/L		U	0.001					
Chloromethane	8260B	ug/L		U	0.0005	Chloromethane	8260B	ug/L		U	0.00054					
Bromochloromethane	8260B	ug/L		U	0.00041	Bromochloromethane	8260B	ug/L		U	0.00045					
Chloroethane	8260B	ug/L		U	0.00062	Chloroethane	8260B	ug/L		U	0.00068					
Vinyl chloride	8260B	ug/L		U	0.00036	Vinyl chloride	8260B	ug/L		U	0.00039					
Methylene Chloride	8260B	ug/L	0.039	--	0.00042	Methylene Chloride	8260B	ug/L	0.027	--	0.00045	0.033	0.012	36.4	144.4	Slightly High
Bromoform	8260B	ug/L		U	0.00084	Bromoform	8260B	ug/L		U	0.00092					
Bromodichloromethane	8260B	ug/L		U	0.00041	Bromodichloromethane	8260B	ug/L		U	0.00045					
1,1-Dichloroethane	8260B	ug/L		U	0.00021	1,1-Dichloroethane	8260B	ug/L		U	0.00023					
1,1-Dichloroethylene	8260B	ug/L		U	0.00033	1,1-Dichloroethylene	8260B	ug/L		U	0.00036					
Trichlorofluoromethane	8260B	ug/L		U	0.00048	Trichlorofluoromethane	8260B	ug/L		U	0.00052					
Dichlorodifluoromethane	8260B	ug/L		U	0.00034	Dichlorodifluoromethane	8260B	ug/L		U	0.00037					
1,2-Dichloropropane	8260B	ug/L		U	0.00046	1,2-Dichloropropane	8260B	ug/L		U	0.0005					
Methyl Ethyl Ketone (2-Butanone)	8260B	ug/L		U	0.00067	Methyl Ethyl Ketone (2-Butanone)	8260B	ug/L		U	0.00073					
1,1,2-Trichloroethane	8260B	ug/L		U	0.00066	1,1,2-Trichloroethane	8260B	ug/L		U	0.00072					
Trichloroethylene	8260B	ug/L		U	0.00048	Trichloroethylene	8260B	ug/L		U	0.00052					
1,1,2,2-Tetrachloroethane	8260B	ug/L		U	0.0005	1,1,2,2-Tetrachloroethane	8260B	ug/L		U	0.00055					
1,2,3-Trichlorobenzene	8260B	ug/L	0.0044	JD	0.00042	1,2,3-Trichlorobenzene	8260B	ug/L		U	0.00046					
Naphthalene	8260B	ug/L	0.0055	JD	0.00023	Naphthalene	8260B	ug/L	0.0043	JD	0.00026	0.0049	0.0012	24.5	127.9	Good/Acceptable
o-Xylene	8260B	ug/L		U	0.0003	o-Xylene	8260B	ug/L		U	0.00033					
2-Chlorotoluene	8260B	ug/L		U	0.00038	2-Chlorotoluene	8260B	ug/L		U	0.00042					
1,2-Dichlorobenzene	8260B	ug/L		U	0.00035	1,2-Dichlorobenzene	8260B	ug/L		U	0.00038					
1,2,4-Trimethylbenzene	8260B	ug/L		U	0.00057	1,2,4-Trimethylbenzene	8260B	ug/L		U	0.00062					
1,2,3-Trichloropropane	8260B	ug/L		U	0.00095	1,2,3-Trichloropropane	8260B	ug/L		U	0.001					
tert-Butylbenzene	8260B	ug/L		U	0.00025	tert-Butylbenzene	8260B	ug/L		U	0.00027					
Isopropylbenzene (Cumene)	8260B	ug/L		U	0.00044	Isopropylbenzene (Cumene)	8260B	ug/L		U	0.00048					
4-Isopropyltoluene	8260B	ug/L		U	0.00036	4-Isopropyltoluene	8260B	ug/L		U	0.00039					
4-Nitrophenol	8270D	ug/L		U	0.34	4-Nitrophenol	8270D	ug/L		U	0.97					
Benzyl alcohol	8270D	ug/L		U	0.29	Benzyl alcohol	8270D	ug/L		U	0.83					
4-Bromophenyl phenyl ether	8270D	ug/L		U	0.38	4-Bromophenyl phenyl ether	8270D	ug/L		U	1.1					
Azobenzene	8270D	ug/L		U	0.29	Azobenzene	8270D	ug/L		U	0.83					
2,4-Dimethylphenol	8270D	ug/L		U	0.34	2,4-Dimethylphenol	8270D	ug/L		U	0.97					
1,4-Dichlorobenzene	8270D	ug/L		U	0.32	1,4-Dichlorobenzene	8270D	ug/L		U	0.92					
4-Chloroaniline	8270D	ug/L		U	0.27	4-Chloroaniline	8270D	ug/L		U	0.76					

TABLE 4.1
SOIL SAMPLE/SAMPLE DUPLICATE COMPARISON: "SB-5" AND "DUPLICATE"
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

PRIMARY SAMPLE:			SB-5			DUPLICATE SAMPLE:			DUPLICATE			AVG. of Results for RPD Calc.	Absolute Difference between Results	% RPD (Note 1) [[(x1-x2)/AVG) * 100]	% Ratio (Note 2) [(x1/x2) * 100]	Variability (Note 1) (Based on %RPD)
SAMPLING DATE:			8/3/2016			SAMPLING DATE:			8/3/2016							
Parameter	Method	Units	Result	Qualif	RL	Parameter	Method	Units	Result	Qualif	RL					
3/4-Methylphenol	8270D	ug/L		U	0.27	3/4-Methylphenol	8270D	ug/L		U	0.78					
Phenol	8270D	ug/L		U	0.33	Phenol	8270D	ug/L		U	0.93					
Bis(2-Chloroethyl)ether	8270D	ug/L		U	0.31	Bis(2-Chloroethyl)ether	8270D	ug/L		U	0.89					
bis(2-Chloroethoxy)methane	8270D	ug/L		U	0.38	bis(2-Chloroethoxy)methane	8270D	ug/L		U	1.1					
Bis(2-Ethylhexyl)phthalate	8270D	ug/L		U	0.33	Bis(2-Ethylhexyl)phthalate	8270D	ug/L		U	0.93					
Di-n-octyl phthalate	8270D	ug/L		U	0.27	Di-n-octyl phthalate	8270D	ug/L		U	0.77					
Hexachlorobenzene	8270D	ug/L		U	0.35	Hexachlorobenzene	8270D	ug/L		U	1					
Anthracene	8270D	ug/L		U	0.36	Anthracene	8270D	ug/L		U	1					
1,2,4-Trichlorobenzene	8270D	ug/L		U	0.35	1,2,4-Trichlorobenzene	8270D	ug/L		U	0.98					
2,4-Dichlorophenol	8270D	ug/L		U	0.43	2,4-Dichlorophenol	8270D	ug/L		U	1.2					
2,4-Dinitrotoluene	8270D	ug/L		U	0.27	2,4-Dinitrotoluene	8270D	ug/L		U	0.77					
Pyrene	8270D	ug/L	1.4	JD	0.29	Pyrene	8270D	ug/L	4.3	JD	0.83	2.85	2.9	101.8	32.6	High
Dimethyl phthalate	8270D	ug/L		U	0.29	Dimethyl phthalate	8270D	ug/L		U	0.83					
Dibenzofuran	8270D	ug/L	0.82	JD	0.34	Dibenzofuran	8270D	ug/L		U	0.96					
Benzo(g,h,i)perylene	8270D	ug/L		U	0.24	Benzo(g,h,i)perylene	8270D	ug/L		U	0.69					
Indeno(1,2,3-cd)pyrene	8270D	ug/L		U	0.25	Indeno(1,2,3-cd)pyrene	8270D	ug/L		U	0.72					
Benzo(b)fluoranthene	8270D	ug/L	0.95	JD	0.26	Benzo(b)fluoranthene	8270D	ug/L	2.2	JD	0.73	1.575	1.25	79.4	43.2	High
Fluoranthene	8270D	ug/L	1.2	JD	0.28	Fluoranthene	8270D	ug/L	3.5	JD	0.8	2.35	2.3	97.9	34.3	High
Benzo(k)fluoranthene	8270D	ug/L		U	0.29	Benzo(k)fluoranthene	8270D	ug/L		U	0.83					
Acenaphthylene	8270D	ug/L		U	0.32	Acenaphthylene	8270D	ug/L	1.6	JD	0.91					
Chrysene	8270D	ug/L	1.3	JD	0.28	Chrysene	8270D	ug/L	3.7	JD	0.79	2.5	2.4	96.0	35.1	High
Bis(2-chloroisopropyl)ether	8270D	ug/L		U	0.38	Bis(2-chloroisopropyl)ether	8270D	ug/L		U	1.1					
Benzo(a)pyrene	8270D	ug/L	0.62	JD	0.24	Benzo(a)pyrene	8270D	ug/L		U	0.68					
2,4-Dinitrophenol	8270D	ug/L		UA	0.31	2,4-Dinitrophenol	8270D	ug/L		UA	0.88					
4,6-Dinitro-2-methylphenol	8270D	ug/L		U	0.33	4,6-Dinitro-2-methylphenol	8270D	ug/L		U	0.95					
Dibenzo(a,h)anthracene	8270D	ug/L		U	0.27	Dibenzo(a,h)anthracene	8270D	ug/L		U	0.77					
1,3-Dichlorobenzene	8270D	ug/L		U	0.31	1,3-Dichlorobenzene	8270D	ug/L		U	0.89					
Benzo(a)anthracene	8270D	ug/L	0.81	JD	0.29	Benzo(a)anthracene	8270D	ug/L	2	JD	0.82	1.405	1.19	84.7	40.5	High
4-Chloro-3-methylphenol	8270D	ug/L		U	0.31	4-Chloro-3-methylphenol	8270D	ug/L		U	0.88					
2,6-Dinitrotoluene	8270D	ug/L		U	0.29	2,6-Dinitrotoluene	8270D	ug/L		U	0.84					
N-Nitroso-di-n-propylamine	8270D	ug/L		U	0.35	N-Nitroso-di-n-propylamine	8270D	ug/L		U	0.99					
Benzoic Acid	8270D	ug/L		U	0.19	Benzoic Acid	8270D	ug/L		U	0.53					
Hexachloroethane	8270D	ug/L		U	0.37	Hexachloroethane	8270D	ug/L		U	1.1					
4-Chlorophenyl phenyl ether	8270D	ug/L		U	0.29	4-Chlorophenyl phenyl ether	8270D	ug/L		U	0.82					
Hexachlorocyclopentadiene	8270D	ug/L		U	0.4	Hexachlorocyclopentadiene	8270D	ug/L		U	1.1					
Isophorone	8270D	ug/L		U	0.3	Isophorone	8270D	ug/L		U	0.85					
Acenaphthene	8270D	ug/L		U	0.3	Acenaphthene	8270D	ug/L		U	0.86					
Diethyl phthalate	8270D	ug/L		U	0.31	Diethyl phthalate	8270D	ug/L		U	0.87					
Di-n-butyl phthalate	8270D	ug/L		U	0.32	Di-n-butyl phthalate	8270D	ug/L		U	0.89					
Phenanthrene	8270D	ug/L	2.7	--	0.29	Phenanthrene	8270D	ug/L	6.6	--	0.82	4.65	3.9	83.9	40.9	High
Butyl benzyl phthalate	8270D	ug/L		U	0.32	Butyl benzyl phthalate	8270D	ug/L		U	0.9					
N-Nitrosodiphenylamine	8270D	ug/L		U	0.34	N-Nitrosodiphenylamine	8270D	ug/L		U	0.96					
Fluorene	8270D	ug/L		U	0.32	Fluorene	8270D	ug/L		U	0.9					
Hexachlorobutadiene	8270D	ug/L		U	0.4	Hexachlorobutadiene	8270D	ug/L		U	1.1					
Pentachlorophenol	8270D	ug/L		UA	0.26	Pentachlorophenol	8270D	ug/L		UA	0.74					
2,4,6-Trichlorophenol	8270D	ug/L		U	0.42	2,4,6-Trichlorophenol	8270D	ug/L		U	1.2					
2-Nitrophenol	8270D	ug/L		U	0.4	2-Nitrophenol	8270D	ug/L		U	1.1					
1-Methylnaphthalene	8270D	ug/L	2.2	--	0.43	1-Methylnaphthalene	8270D	ug/L	3.6	JD	1.2	2.9	1.4	48.3	61.1	Slightly High
Naphthalene	8270D	ug/L	1.7	JD	0.36	Naphthalene	8270D	ug/L	6.1	JD	1	3.9	4.4	112.8	27.9	High
2-Methylnaphthalene	8270D	ug/L	2.5	--	0.35	2-Methylnaphthalene	8270D	ug/L	4.3	JD	1	3.4	1.8	52.9	58.1	High
2-Chloronaphthalene	8270D	ug/L		U	0.32	2-Chloronaphthalene	8270D	ug/L		U	0.91					
3,3'-Dichlorobenzidine	8270D	ug/L		U	0.44	3,3'-Dichlorobenzidine	8270D	ug/L		U	1.2					
2-Methylphenol	8270D	ug/L		U	0.28	2-Methylphenol	8270D	ug/L		U	0.81					
1,2-Dichlorobenzene	8270D	ug/L		U	0.34	1,2-Dichlorobenzene	8270D	ug/L		U	0.96					
2-Chlorophenol	8270D	ug/L		U	0.31	2-Chlorophenol	8270D	ug/L		U	0.89					
Nitrobenzene	8270D	ug/L		U	0.32	Nitrobenzene	8270D	ug/L		U	0.89					

Note 1	= The relative percent difference (RPD) and percent ratio were calculated for each pair (see formulas in column headings). Variability was evaluated based on % RPD: Good/Acceptable (<35%), Slightly High (>35% but <50%) and High (%50).
Note 2	
Bold Concentrations	= Analyte detected in both primary and duplicate samples. Comparison Shown in Table.
Blank Cells	= Constituent not detected, or below the method detection limit (MDL).
J	= Detected, but below the Reporting Limit; therefore, result is an estimated concentration.
U	= Constituent not detected above the method detection limit (MDL), which is lower than the reporting limit (RL).
D	= RPD Value outside of the control limits.
A	= Average response is below established range. CCV response is within range.
--	= No qualifier assigned to constituent by laboratory.

TABLE 4.2
GROUNDWATER SAMPLE/SAMPLE DUPLICATE COMPARISON: "MW-2" AND "DUPLICATE"
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

PRIMARY SAMPLE: SAMPLING DATE:			MW-2 8/4/2016			DUPLICATE SAMPLE: SAMPLING DATE:			DUPLICATE 8/4/2016			AVG. of Results for RPD Calc.	Absolute Difference between Results	% RPD (Note 1) [[(x1-x2)/AVG] * 100]	% Ratio (Note 2) [(x1/x2) * 100]	Variability (Note 1) (Based on %RPD)
Parameter	Method	Units	Result	Qualif	RL	Parameter	Method	Units	Result	Qualif	RL					
4-Nitroaniline	8270D	ug/L		U	0.93	4-Nitroaniline	8270D	ug/L		U	0.93					
4-Nitrophenol	8270D	ug/L		UA	0.6	4-Nitrophenol	8270D	ug/L		UA	0.6					
Benzyl alcohol	8270D	ug/L		U	2.1	Benzyl alcohol	8270D	ug/L		U	2.1					
4-Bromophenyl phenyl ether	8270D	ug/L		U	1.3	4-Bromophenyl phenyl ether	8270D	ug/L		U	1.3					
Azobenzene	8270D	ug/L		U	1.8	Azobenzene	8270D	ug/L		U	1.8					
2,4-Dimethylphenol	8270D	ug/L		U	3.4	2,4-Dimethylphenol	8270D	ug/L		U	3.4					
1,4-Dichlorobenzene	8270D	ug/L		U	1.6	1,4-Dichlorobenzene	8270D	ug/L		U	1.6					
4-Chloroaniline	8270D	ug/L		U	2.4	4-Chloroaniline	8270D	ug/L		U	2.4					
3/4-Methylphenol	8270D	ug/L		U	1.5	3/4-Methylphenol	8270D	ug/L		U	1.5					
Phenol	8270D	ug/L		U	0.98	Phenol	8270D	ug/L		U	0.98					
Bis(2-Chloroethyl)ether	8270D	ug/L		U	2.3	Bis(2-Chloroethyl)ether	8270D	ug/L		U	2.3					
bis(2-Chloroethoxy)methane	8270D	ug/L		U	2.6	bis(2-Chloroethoxy)methane	8270D	ug/L		U	2.6					
Bis(2-Ethylhexyl)phthalate	8270D	ug/L		U	1.3	Bis(2-Ethylhexyl)phthalate	8270D	ug/L		U	1.3					
Di-n-octyl phthalate	8270D	ug/L		U	1.3	Di-n-octyl phthalate	8270D	ug/L		U	1.3					
Hexachlorobenzene	8270D	ug/L		U	1.3	Hexachlorobenzene	8270D	ug/L		U	1.3					
Anthracene	8270D	ug/L		U	1.4	Anthracene	8270D	ug/L		U	1.4					
1,2,4-Trichlorobenzene	8270D	ug/L		U	1.8	1,2,4-Trichlorobenzene	8270D	ug/L		U	1.8					
2,4-Dichlorophenol	8270D	ug/L		U	2.6	2,4-Dichlorophenol	8270D	ug/L		U	2.6					
2,4-Dinitrotoluene	8270D	ug/L		U	1.4	2,4-Dinitrotoluene	8270D	ug/L		U	1.4					
Pyrene	8270D	ug/L		U	1.4	Pyrene	8270D	ug/L		U	1.4					
Dimethyl phthalate	8270D	ug/L		U	1.4	Dimethyl phthalate	8270D	ug/L		U	1.4					
Dibenzofuran	8270D	ug/L		U	1.8	Dibenzofuran	8270D	ug/L		U	1.8					
Benzo(g,h,i)perylene	8270D	ug/L		U	1.4	Benzo(g,h,i)perylene	8270D	ug/L		U	1.4					
Indeno(1,2,3-cd)pyrene	8270D	ug/L		U	3.9	Indeno(1,2,3-cd)pyrene	8270D	ug/L		U	3.9					
Benzo(b)fluoranthene	8270D	ug/L		U	1.1	Benzo(b)fluoranthene	8270D	ug/L		U	1.1					
Fluoranthene	8270D	ug/L		U	1.7	Fluoranthene	8270D	ug/L		U	1.7					
Benzo(k)fluoranthene	8270D	ug/L		U	1.4	Benzo(k)fluoranthene	8270D	ug/L		U	1.4					
Acenaphthylene	8270D	ug/L		U	2	Acenaphthylene	8270D	ug/L		U	2					
Chrysene	8270D	ug/L		U	1.4	Chrysene	8270D	ug/L		U	1.4					
Bis(2-chloroisopropyl)ether	8270D	ug/L		U	2	Bis(2-chloroisopropyl)ether	8270D	ug/L		U	2					
Benzo(a)pyrene	8270D	ug/L		U	1.4	Benzo(a)pyrene	8270D	ug/L		U	1.4					
2,4-Dinitrophenol	8270D	ug/L		UA	2.7	2,4-Dinitrophenol	8270D	ug/L		UA	2.7					
4,6-Dinitro-2-methylphenol	8270D	ug/L		U	1.4	4,6-Dinitro-2-methylphenol	8270D	ug/L		U	1.4					
Dibenzo(a,h)anthracene	8270D	ug/L		U	1.2	Dibenzo(a,h)anthracene	8270D	ug/L		U	1.2					
1,3-Dichlorobenzene	8270D	ug/L		U	1.9	1,3-Dichlorobenzene	8270D	ug/L		U	1.9					
Benzo(a)anthracene	8270D	ug/L		U	1.4	Benzo(a)anthracene	8270D	ug/L		U	1.4					
4-Chloro-3-methylphenol	8270D	ug/L		U	2.4	4-Chloro-3-methylphenol	8270D	ug/L		U	2.4					
2,6-Dinitrotoluene	8270D	ug/L		U	1.1	2,6-Dinitrotoluene	8270D	ug/L		U	1.1					
N-Nitroso-di-n-propylamine	8270D	ug/L		U	2.2	N-Nitroso-di-n-propylamine	8270D	ug/L		U	2.2					
Aniline	8270D	ug/L		U	2.4	Aniline	8270D	ug/L		U	2.4					
Benzoic Acid	8270D	ug/L		U	4.7	Benzoic Acid	8270D	ug/L		U	4.7					
Hexachloroethane	8270D	ug/L		U	1.7	Hexachloroethane	8270D	ug/L		U	1.7					
4-Chlorophenyl phenyl ether	8270D	ug/L		U	1.3	4-Chlorophenyl phenyl ether	8270D	ug/L		U	1.3					
Hexachlorocyclopentadiene	8270D	ug/L		U	1.7	Hexachlorocyclopentadiene	8270D	ug/L		U	1.7					
Isophorone	8270D	ug/L		U	2.5	Isophorone	8270D	ug/L		U	2.5					
Acenaphthene	8270D	ug/L		U	1.8	Acenaphthene	8270D	ug/L		U	1.8					
Diethyl phthalate	8270D	ug/L		U	3.3	Diethyl phthalate	8270D	ug/L		U	3.3					
Di-n-butyl phthalate	8270D	ug/L		U	1.7	Di-n-butyl phthalate	8270D	ug/L		U	1.7					
Phenanthrene	8270D	ug/L		U	1.5	Phenanthrene	8270D	ug/L		U	1.5					
Butyl benzyl phthalate	8270D	ug/L		U	1.4	Butyl benzyl phthalate	8270D	ug/L		U	1.4					
N-Nitrosodiphenylamine	8270D	ug/L		U	1.3	N-Nitrosodiphenylamine	8270D	ug/L		U	1.3					
Fluorene	8270D	ug/L		U	1.7	Fluorene	8270D	ug/L		U	1.7					
Hexachlorobutadiene	8270D	ug/L		U	2.1	Hexachlorobutadiene	8270D	ug/L		U	2.1					
Pentachlorophenol	8270D	ug/L		U	1.2	Pentachlorophenol	8270D	ug/L		U	1.2					
2,4,6-Trichlorophenol	8270D	ug/L		U	1.8	2,4,6-Trichlorophenol	8270D	ug/L		U	1.8					
2-Nitroaniline	8270D	ug/L		U	1.4	2-Nitroaniline	8270D	ug/L		U	1.4					
2-Nitrophenol	8270D	ug/L		U	2.4	2-Nitrophenol	8270D	ug/L		U	2.4					
1-Methylnaphthalene	8270D	ug/L		U	2.6	1-Methylnaphthalene	8270D	ug/L		U	2.6					
Naphthalene	8270D	ug/L		U	2.6	Naphthalene	8270D	ug/L		U	2.6					
2-Methylnaphthalene	8270D	ug/L		U	2.4	2-Methylnaphthalene	8270D	ug/L		U	2.4					
2-Chloronaphthalene	8270D	ug/L		U	2.7	2-Chloronaphthalene	8270D	ug/L		U	2.7					
3,3'-Dichlorobenzidine	8270D	ug/L		U	1.4	3,3'-Dichlorobenzidine	8270D	ug/L		U	1.4					
2-Methylphenol	8270D	ug/L		U	1.8	2-Methylphenol	8270D	ug/L		U	1.8					
1,2-Dichlorobenzene	8270D	ug/L		U	1.6	1,2-Dichlorobenzene	8270D	ug/L		U	1.6					
2-Chlorophenol	8270D	ug/L		U	1.9	2-Chlorophenol	8270D	ug/L		U	1.9					
2,4,5-Trichlorophenol	8270D	ug/L		U	1.6	2,4,5-Trichlorophenol	8270D	ug/L		U	1.6					
Nitrobenzene	8270D	ug/L		U	2.6	Nitrobenzene	8270D	ug/L		U	2.6					
3-Nitroaniline	8270D	ug/L		U	1.4	3-Nitroaniline	8270D	ug/L		U	1.4					
Ethylbenzene	8260B	ug/L		U	0.061	Ethylbenzene	8260B	ug/L		U	0.061					
Styrene	8260B	ug/L		U	0.047	Styrene	8260B	ug/L		U	0.047					
cis-1,3-Dichloropropylene	8260B	ug/L		U	0.079	cis-1,3-Dichloropropylene	8260B	ug/L		U	0.079					
trans-1,3-Dichloropropylene	8260B	ug/L		U	0.07	trans-1,3-Dichloropropylene	8260B	ug/L		U	0.07					
n-Propylbenzene	8260B	ug/L		U	0.087	n-Propylbenzene	8260B	ug/L		U	0.087					
n-Butylbenzene	8260B	ug/L		U	0.076	n-Butylbenzene	8260B	ug/L		U	0.076					
4-Chlorotoluene	8260B	ug/L		U	0.05	4-Chlorotoluene	8260B	ug/L		U	0.05					
1,4-Dichlorobenzene	8260B	ug/L		U	0.05	1,4-Dichlorobenzene	8260B	ug/L		U	0.05					
1,2-Dibromoethane	8260B	ug/L		U	0.051	1,2-Dibromoethane	8260B	ug/L		U	0.051					
Acrolein	8260B	ug/L		U	0.2	Acrolein	8260B	ug/L		U	0.2					
1,2-Dichloroethane	8260B	ug/L		U	0.066	1,2-Dichloroethane	8260B	ug/L		U	0.066					

TABLE 4.2
GROUNDWATER SAMPLE/SAMPLE DUPLICATE COMPARISON: "MW-2" AND "DUPLICATE"
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

PRIMARY SAMPLE: SAMPLING DATE:			MW-2 8/4/2016			DUPLICATE SAMPLE: SAMPLING DATE:			DUPLICATE 8/4/2016			AVG. of Results for RPD Calc.	Absolute Difference between Results	% RPD (Note 1) [(x1-x2)/AVG] * 100]	% Ratio (Note 2) [(x1/x2) * 100]	Variability (Note 1) (Based on %RPD)
Parameter	Method	Units	Result	Qualif	RL	Parameter	Method	Units	Result	Qualif	RL					
Acrylonitrile	8260B	ug/L		U	0.2	Acrylonitrile	8260B	ug/L		U	0.2					
Vinyl acetate	8260B	ug/L		U	0.06	Vinyl acetate	8260B	ug/L		U	0.06					
Methyl Isobutyl Ketone	8260B	ug/L		U	0.078	Methyl Isobutyl Ketone	8260B	ug/L		U	0.078					
Isopropyl Ether	8260B	ug/L		U	0.05	Isopropyl Ether	8260B	ug/L		U	0.05					
m,p-Xylenes	8260B	ug/L	0.59	J	0.12	m,p-Xylenes	8260B	ug/L	0.56	J	0.12	0.575	0.03	5.2	105.4	Good/Acceptable
1,3,5-Trimethylbenzene	8260B	ug/L		U	0.076	1,3,5-Trimethylbenzene	8260B	ug/L		U	0.076					
Bromobenzene	8260B	ug/L		U	0.057	Bromobenzene	8260B	ug/L		U	0.057					
Toluene	8260B	ug/L		U	0.044	Toluene	8260B	ug/L		U	0.044					
Chlorobenzene	8260B	ug/L		U	0.062	Chlorobenzene	8260B	ug/L		U	0.062					
1,2,4-Trichlorobenzene	8260B	ug/L		U	0.13	1,2,4-Trichlorobenzene	8260B	ug/L		U	0.13					
Dibromochloromethane	8260B	ug/L		U	0.081	Dibromochloromethane	8260B	ug/L		U	0.081					
Tetrachloroethylene	8260B	ug/L		U	0.098	Tetrachloroethylene	8260B	ug/L		U	0.098					
sec-Butylbenzene	8260B	ug/L		U	0.076	sec-Butylbenzene	8260B	ug/L		U	0.076					
1,3-Dichloropropane	8260B	ug/L		U	0.043	1,3-Dichloropropane	8260B	ug/L		U	0.043					
cis-1,2-Dichloroethylene	8260B	ug/L		U	0.056	cis-1,2-Dichloroethylene	8260B	ug/L		U	0.056					
trans-1,2-Dichloroethylene	8260B	ug/L		U	0.094	trans-1,2-Dichloroethylene	8260B	ug/L		U	0.094					
Methyl-tert-Butyl Ether	8260B	ug/L		U	0.042	Methyl-tert-Butyl Ether	8260B	ug/L		U	0.042					
1,3-Dichlorobenzene	8260B	ug/L		U	0.054	1,3-Dichlorobenzene	8260B	ug/L		U	0.054					
Carbon Tetrachloride	8260B	ug/L		U	0.11	Carbon Tetrachloride	8260B	ug/L		U	0.11					
1,1-Dichloropropylene	8260B	ug/L		U	0.051	1,1-Dichloropropylene	8260B	ug/L		U	0.051					
Methyl Butyl Ketone (2-Hexanone)	8260B	ug/L		U	0.065	Methyl Butyl Ketone (2-Hexanone)	8260B	ug/L		U	0.065					
2,2-Dichloropropane	8260B	ug/L		U	0.11	2,2-Dichloropropane	8260B	ug/L		U	0.11					
1,1,1,2-Tetrachloroethane	8260B	ug/L		U	0.11	1,1,1,2-Tetrachloroethane	8260B	ug/L		U	0.11					
Acetone	8260B	ug/L		U	0.31	Acetone	8260B	ug/L		U	0.31					
Chloroform	8260B	ug/L		U	0.076	Chloroform	8260B	ug/L		U	0.076					
Benzene	8260B	ug/L		U	0.048	Benzene	8260B	ug/L		U	0.048					
1,1,1-Trichloroethane	8260B	ug/L		U	0.061	1,1,1-Trichloroethane	8260B	ug/L		U	0.061					
Bromomethane	8260B	ug/L		U	0.18	Bromomethane	8260B	ug/L		U	0.18					
Chloromethane	8260B	ug/L		U	0.079	Chloromethane	8260B	ug/L		U	0.079					
Dibromomethane	8260B	ug/L		U	0.065	Dibromomethane	8260B	ug/L		U	0.065					
Bromochloromethane	8260B	ug/L		U	0.14	Bromochloromethane	8260B	ug/L		U	0.14					
Chloroethane	8260B	ug/L		U	0.22	Chloroethane	8260B	ug/L		U	0.22					
Vinyl chloride	8260B	ug/L		U	0.097	Vinyl chloride	8260B	ug/L		U	0.097					
Methylene Chloride	8260B	ug/L		U	0.083	Methylene Chloride	8260B	ug/L		U	0.083					
Carbon disulfide	8260B	ug/L		U	0.075	Carbon disulfide	8260B	ug/L		U	0.075					
Bromoform	8260B	ug/L		U	0.04	Bromoform	8260B	ug/L		U	0.04					
Bromodichloromethane	8260B	ug/L		U	0.062	Bromodichloromethane	8260B	ug/L		U	0.062					
1,1-Dichloroethane	8260B	ug/L		U	0.083	1,1-Dichloroethane	8260B	ug/L		U	0.083					
1,1-Dichloroethylene	8260B	ug/L		U	0.083	1,1-Dichloroethylene	8260B	ug/L		U	0.083					
Trichlorofluoromethane	8260B	ug/L		U	0.062	Trichlorofluoromethane	8260B	ug/L		U	0.062					
Dichlorodifluoromethane	8260B	ug/L		U	0.11	Dichlorodifluoromethane	8260B	ug/L		U	0.11					
1,2-Dichloropropane	8260B	ug/L		U	0.11	1,2-Dichloropropane	8260B	ug/L		U	0.11					
Methyl Ethyl Ketone (2-Butanone)	8260B	ug/L		U	0.24	Methyl Ethyl Ketone (2-Butanone)	8260B	ug/L		U	0.24					
1,1,2-Trichloroethane	8260B	ug/L		U	0.066	1,1,2-Trichloroethane	8260B	ug/L		U	0.066					
Trichloroethylene	8260B	ug/L		U	0.078	Trichloroethylene	8260B	ug/L		U	0.078					
1,1,2,2-Tetrachloroethane	8260B	ug/L		U	0.036	1,1,2,2-Tetrachloroethane	8260B	ug/L		U	0.036					
1,2,3-Trichlorobenzene	8260B	ug/L		U	0.4	1,2,3-Trichlorobenzene	8260B	ug/L		U	0.4					
Hexachlorobutadiene	8260B	ug/L		U	0.16	Hexachlorobutadiene	8260B	ug/L		U	0.16					
Naphthalene	8260B	ug/L		U	0.19	Naphthalene	8260B	ug/L		U	0.19					
o-Xylene	8260B	ug/L		U	0.044	o-Xylene	8260B	ug/L		U	0.044					
2-Chlorotoluene	8260B	ug/L		U	0.066	2-Chlorotoluene	8260B	ug/L		U	0.066					
1,2-Dichlorobenzene	8260B	ug/L		U	0.076	1,2-Dichlorobenzene	8260B	ug/L		U	0.076					
1,2,4-Trimethylbenzene	8260B	ug/L		U	0.054	1,2,4-Trimethylbenzene	8260B	ug/L		U	0.054					
1,2-Dibromo-3-chloropropane	8260B	ug/L		U	0.17	1,2-Dibromo-3-chloropropane	8260B	ug/L		U	0.17					
1,2,3-Trichloropropane	8260B	ug/L		U	0.14	1,2,3-Trichloropropane	8260B	ug/L		U	0.14					
tert-Butylbenzene	8260B	ug/L		U	0.088	tert-Butylbenzene	8260B	ug/L		U	0.088					
Isopropylbenzene (Cumene)	8260B	ug/L		U	0.054	Isopropylbenzene (Cumene)	8260B	ug/L		U	0.054					
4-Isopropyltoluene	8260B	ug/L		U	0.089	4-Isopropyltoluene	8260B	ug/L		U	0.089					
Note 1 = The relative percent difference (RPD) and percent ratio were calculated for each pair (see formulas in column headings). Variability was evaluated based on % RPD: Good/Acceptable (<35%), Slightly High (>35% but <50%) and High (%50).																
Note 2 = Ratios closer to 100 indicate lower variability between the primary sample and duplicate results compared with ratios closer to 0.																
Bold Concentrations = Analyte detected in both primary and duplicate samples. Comparison Shown in Table.																
Blank Cells = Constituent not detected, or below the method detection limit (MDL).																
J = Detected, but below the Reporting Limit; therefore, result is an estimated concentration.																
U = Constituent not detected above the method detection limit (MDL), which is lower than the reporting limit (RL).																
A = Average response is below established range. CCV response is within range.																

TABLE 4.3
SUB-SLAB SOIL GAS SAMPLE/SAMPLE DUPLICATE COMPARISON: "VP-5" AND "DUPLICATE"
FORMER GLEN RAVEN MILL
800 MANNING STREET
KINSTON, LENOIR COUNTY, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2611.00 T4055

PRIMARY SAMPLE:			VP-5			DUPLICATE SAMPLE:			DUPLICATE			AVG. of Results for RPD Calc.	Absolute Difference between Results	% RPD (Note 1) [[(x1-x2)/AVG) * 100]	% Ratio (Note 2) [(x1/x2) * 100]	Variability (Note 1) (Based on %RPD)
SAMPLING DATE:			8/19/2016			SAMPLING DATE:			8/19/2016							
Parameter	Method	Units	Result	Qualif	RL	Parameter	Method	Units	Result	Qualif	RL					
Bromomethane	TO-15	ug/m³		--	1.6	Bromomethane	TO-15	ug/m³		--	1.6					
Chloroethane	TO-15	ug/m³		--	1.1	Chloroethane	TO-15	ug/m³		--	1.1					
Trichlorofluoromethane (F11)	TO-15	ug/m³	24	--	2.3	Trichlorofluoromethane (F11)	TO-15	ug/m³	28	--	2.3	26	4	15.4	85.7	Good/Acceptable
1,1-Dichloroethene	TO-15	ug/m³		--	1.6	1,1-Dichloroethene	TO-15	ug/m³		--	1.6					
1,1,2-Trichlorotrifluoroethane (F113)	TO-15	ug/m³		--	3.1	1,1,2-Trichlorotrifluoroethane (F113)	TO-15	ug/m³		--	3.1					
Dichlorodifluoromethane (F12)	TO-15	ug/m³		--	4.0	Dichlorodifluoromethane (F12)	TO-15	ug/m³		--	4.0					
Methylene chloride (Dichloromethane)	TO-15	ug/m³		--	1.4	Methylene chloride (Dichloromethane)	TO-15	ug/m³		--	1.4					
Carbon disulfide	TO-15	ug/m³		--	1.3	Carbon disulfide	TO-15	ug/m³	2.3	--	1.3					
trans-1,2-Dichloroethene	TO-15	ug/m³		--	1.6	trans-1,2-Dichloroethene	TO-15	ug/m³		--	1.6					
1,1-Dichloroethane	TO-15	ug/m³		--	1.6	1,1-Dichloroethane	TO-15	ug/m³		--	1.6					
2-Butanone (MEK)	TO-15	ug/m³	8.2	--	2.4	2-Butanone (MEK)	TO-15	ug/m³	7.4	--	2.4	7.8	0.8	10.3	110.8	Good/Acceptable
cis-1,2-Dichloroethene	TO-15	ug/m³		--	1.6	cis-1,2-Dichloroethene	TO-15	ug/m³	1.8	--	1.6					
Chloroform	TO-15	ug/m³	1.7	--	1.0	Chloroform	TO-15	ug/m³	1.7	--	1.0	1.7	0	0.0	100.0	Good/Acceptable
1,1,1-Trichloroethane	TO-15	ug/m³		--	2.2	1,1,1-Trichloroethane	TO-15	ug/m³		--	2.2					
1,2-Dichloroethane (EDC)	TO-15	ug/m³		--	1.6	1,2-Dichloroethane (EDC)	TO-15	ug/m³		--	1.6					
Benzene	TO-15	ug/m³	2.3	--	0.6	Benzene	TO-15	ug/m³	1.8	--	0.6	2.05	0.5	24.4	127.8	Good/Acceptable
Carbon tetrachloride	TO-15	ug/m³		--	1.3	Carbon tetrachloride	TO-15	ug/m³		--	1.3					
Trichloroethene	TO-15	ug/m³		--	2.2	Trichloroethene	TO-15	ug/m³	12	--	2.2					
1,2-Dichloropropane	TO-15	ug/m³		--	1.9	1,2-Dichloropropane	TO-15	ug/m³		--	1.9					
Bromodichloromethane	TO-15	ug/m³		--	2.7	Bromodichloromethane	TO-15	ug/m³		--	2.7					
cis-1,3-Dichloropropene	TO-15	ug/m³		--	1.8	cis-1,3-Dichloropropene	TO-15	ug/m³		--	1.8					
4-Methyl-2-pentanone (MIBK)	TO-15	ug/m³		--	3.3	4-Methyl-2-pentanone (MIBK)	TO-15	ug/m³		--	3.3					
trans-1,3-Dichloropropene	TO-15	ug/m³		--	1.8	trans-1,3-Dichloropropene	TO-15	ug/m³		--	1.8					
Toluene	TO-15	ug/m³	5.2	--	3.1	Toluene	TO-15	ug/m³	4.2	--	3.1	4.7	1	21.3	123.8	Good/Acceptable
1,1,2-Trichloroethane	TO-15	ug/m³		--	2.2	1,1,2-Trichloroethane	TO-15	ug/m³		--	2.2					
2-Hexanone (MBK)	TO-15	ug/m³		--	3.3	2-Hexanone (MBK)	TO-15	ug/m³		--	3.3					
Dibromochloromethane	TO-15	ug/m³		--	3.5	Dibromochloromethane	TO-15	ug/m³		--	3.5					
Tetrachloroethene	TO-15	ug/m³	5.0	--	2.8	Tetrachloroethene	TO-15	ug/m³	5.2	--	2.8	5.1	0.2	3.9	96.2	Good/Acceptable
1,2-Dibromoethane (EDB)	TO-15	ug/m³		--	3.1	1,2-Dibromoethane (EDB)	TO-15	ug/m³		--	3.1					
1,1,1,2-Tetrachloroethane	TO-15	ug/m³		--	2.8	1,1,1,2-Tetrachloroethane	TO-15	ug/m³		--	2.8					
Chlorobenzene	TO-15	ug/m³		--	1.9	Chlorobenzene	TO-15	ug/m³		--	1.9					
Ethylbenzene	TO-15	ug/m³		--	1.8	Ethylbenzene	TO-15	ug/m³		--	1.8					
m,p-Xylene	TO-15	ug/m³	3.1	--	1.8	m,p-Xylene	TO-15	ug/m³	2.5	--	1.8	2.8	0.6	21.4	124.0	Good/Acceptable
Styrene	TO-15	ug/m³		--	1.7	Styrene	TO-15	ug/m³		--	1.7					
o-Xylene	TO-15	ug/m³		--	1.8	o-Xylene	TO-15	ug/m³		--	1.8					
Bromoform	TO-15	ug/m³		--	4.2	Bromoform	TO-15	ug/m³		--	4.2					
Chloromethane	TO-15	ug/m³		--	0.8	Chloromethane	TO-15	ug/m³		--	0.8					
1,1,2,2-Tetrachloroethane	TO-15	ug/m³		--	2.8	1,1,2,2-Tetrachloroethane	TO-15	ug/m³		--	2.8					
4-Ethyltoluene	TO-15	ug/m³		--	2.0	4-Ethyltoluene	TO-15	ug/m³		--	2.0					
1,3,5-Trimethylbenzene	TO-15	ug/m³		--	2.0	1,3,5-Trimethylbenzene	TO-15	ug/m³		--	2.0					
Dichlorotetrafluoroethane (F114)	TO-15	ug/m³		--	2.8	Dichlorotetrafluoroethane (F114)	TO-15	ug/m³		--	2.8					
1,2,4-Trimethylbenzene	TO-15	ug/m³		--	2.0	1,2,4-Trimethylbenzene	TO-15	ug/m³		--	2.0					
1,3-Dichlorobenzene	TO-15	ug/m³		--	2.4	1,3-Dichlorobenzene	TO-15	ug/m³		--	2.4					
1,4-Dichlorobenzene	TO-15	ug/m³		--	2.4	1,4-Dichlorobenzene	TO-15	ug/m³		--	2.4					
1,2-Dichlorobenzene	TO-15	ug/m³		--	2.4	1,2-Dichlorobenzene	TO-15	ug/m³		--	2.4					
Vinyl chloride	TO-15	ug/m³		--	0.5	Vinyl chloride	TO-15	ug/m³		--	0.5					
1,2,4-Trichlorobenzene	TO-15	ug/m³		--	7.5	1,2,4-Trichlorobenzene	TO-15	ug/m³		--	7.5					
Hexachlorobutadiene	TO-15	ug/m³		--	11	Hexachlorobutadiene	TO-15	ug/m³		--	11					
Note 1			= The relative percent difference (RPD) and percent ratio were calculated for each pair (see formulas in column headings). Variability was evaluated based on % RPD: Good/Acceptable (<35%), Slightly High (>35% but <50%) and High (%50).													
Note 2			= Ratios closer to 100 indicate lower variability between the primary sample and duplicate results compared with ratios closer to 0.													
Bold Concentrations			= Analyte detected in both primary and duplicate samples. Comparison Shown in Table.													
Blank Cells			= Constituent not detected, or below the method detection limit (MDL).													
--			= No qualifier assigned to constituent by laboratory.													

APPENDIX A

**SOIL BORING LOGS AND PERMANENT
MONITORING WELL CONSTRUCTION RECORDS**

 409 Rogers View Court Raleigh, NC 27610 Ph: 919-250-9918		LOG OF BORING:		MW-1																																																																																																							
		Page: 1		of 1																																																																																																							
Site Name: Former Glen Raven Mills		Drilling/Boring Method: Geoprobe DPT		Total Boring Depth (ft): 15.0																																																																																																							
Project Number: R2611.00 T4055		Sampling Method: Macrocore		Top of Casing Elev. (ft): NA																																																																																																							
Location: Kinston, NC		Subcontractor/Drillers: Quantex, Inc.		Latitude: NA																																																																																																							
Date Started: 8/4/2016		Driller: Quantex, Inc.		Longitude: NA																																																																																																							
Date Completed: 8/4/2016		Monitoring Equipment: NA		Technician: K. Johnson																																																																																																							
<table border="1"> <thead> <tr> <th colspan="2">ft-BLS</th> <th colspan="2">SOIL DESCRIPTION (color, texture, moisture, etc.)</th> <th colspan="2">Construction Details</th> <th colspan="2">ft-BLS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td colspan="2">Asphalt and Organics</td> <td rowspan="3">0'-3' Grout</td> <td rowspan="3">0' - 5' Casing</td> <td colspan="2">Grout</td> </tr> <tr> <td>2</td> <td></td> <td colspan="2">Orange, compacted clay (CL)</td> <td colspan="2"></td> </tr> <tr> <td>4</td> <td></td> <td colspan="2">Bright orange, sand (SP)</td> <td colspan="2">Bentonite</td> </tr> <tr> <td>6</td> <td></td> <td colspan="2">Light tan, sand (SP)</td> <td rowspan="4">4'-15' Sand</td> <td rowspan="4">5'-15' Screen</td> <td colspan="2"></td> </tr> <tr> <td>8</td> <td></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>10</td> <td></td> <td colspan="2">Light tan, sand (SP) - hydrated</td> <td colspan="2">Sand</td> </tr> <tr> <td>12</td> <td></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>14</td> <td></td> <td colspan="2">Black, dense/compacted, clay (CL)</td> <td colspan="4"></td> </tr> <tr> <td>16</td> <td></td> <td colspan="2"></td> <td colspan="4"></td> </tr> <tr> <td>18</td> <td></td> <td colspan="2"></td> <td colspan="4"></td> </tr> <tr> <td>20</td> <td></td> <td colspan="2"></td> <td colspan="4"></td> </tr> <tr> <td>22</td> <td></td> <td colspan="2"></td> <td colspan="4"></td> </tr> <tr> <td>24</td> <td></td> <td colspan="2"></td> <td colspan="4"></td> </tr> </tbody> </table>						ft-BLS		SOIL DESCRIPTION (color, texture, moisture, etc.)		Construction Details		ft-BLS				Asphalt and Organics		0'-3' Grout	0' - 5' Casing	Grout		2		Orange, compacted clay (CL)				4		Bright orange, sand (SP)		Bentonite		6		Light tan, sand (SP)		4'-15' Sand	5'-15' Screen			8						10		Light tan, sand (SP) - hydrated		Sand		12						14		Black, dense/compacted, clay (CL)						16								18								20								22								24							
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WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-1

5a. Well Location:

Glen Raven Mill (former)

NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35.265058

77.591572

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. **For All Wells:** Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. **For Injection Wells:** In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. **For Water Supply & Injection Wells:** In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

 409 Rogers View Court Raleigh, NC 27610 Ph: 919-250-9918		LOG OF BORING:		MW-2			
		Page: 1 of 1					
Site Name: Former Glen Raven Mills		Drilling/Boring Method: Geoprobe DPT		Total Boring Depth (ft): 15.0			
Project Number: R2611.00 T4055		Sampling Method: Macrocore		Top of Casing Elev. (ft): NA			
Location: Kinston, NC		Subcontractor/Drillers: Quantex, Inc.		Latitude: NA			
Date Started: 8/4/2016		Driller: Quantex, Inc.		Longitude: NA			
Date Completed: 8/4/2016		Monitoring Equipment: NA		Technician: K. Johnson			
ft-BLS	SOIL DESCRIPTION (color, texture, moisture, etc.)			Construction Details		ft-BLS	
2	Organics mixed with Asphalt, Bricks, Rocks and unknown black material			0'-3' Grout	0' - 5' Casing	Grout	2
4				3'-4' Bentonite		Bentonite	4
6				4'-15' Sand	5'-15' Screen	Sand	6
8							8
10	10						
	Same as above with clay (CL) mixed in - slightly hydrated						
12	Dark grey, clay sand (SC) - very hydrated						12
14	Dark grey, sand (SP) - very hydrated						14
16							16
18						18	
20						20	
22						22	
24						24	
COMMENTS: in - indicates inches ft - indicates depth in feet ft BLS - indicates feet below land surface N/A - indicates not applicable to this boring ppm - indicates parts per million DPT - Direct Push Technology TVA - Toxic Vapor Analyzer FID - Flame Ionization Detector PWR - Partially Weathered Rock							

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-2

5a. Well Location:

Glen Raven Mill (former)

NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.264500

77.591537

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

 409 Rogers View Court Raleigh, NC 27610 Ph: 919-250-9918		LOG OF BORING:		MW-3			
		Page: 1 of 1					
Site Name: Former Glen Raven Mills		Drilling/Boring Method: Geoprobe DPT		Total Boring Depth (ft): 15.0			
Project Number: R2611.00 T4055		Sampling Method: Macrocore		Top of Casing Elev. (ft): NA			
Location: Kinston, NC		Subcontractor/Drillers: Quantex, Inc.		Latitude: NA			
Date Started: 8/3/2016		Driller: Quantex, Inc.		Longitude: NA			
Date Completed: 8/3/2016		Monitoring Equipment: NA		Technician: K. Johnson			
ft-BLS	SOIL DESCRIPTION (color, texture, moisture, etc.)			Construction Details		ft-BLS	
2	Organics and dark brown, clay sand (SC)			0'-3' Grout	0' - 5' Casing	Grout	2
4	Light brown, clay sand (SC)			3'-4' Bentonite		Bentonite	4
6	White, sand (SP) - evidence of water starting at 7'-8' BLS			4'-15' Sand	5'-15' Screen	Sand	6
8							8
10							10
12							12
14							14
16							16
18							18
20							20
22							22
24							24
COMMENTS: in - indicates inches ft - indicates depth in feet ft BLS - indicates feet below land surface N/A - indicates not applicable to this boring ppm - indicates parts per million DPT - Direct Push Technology TVA - Toxic Vapor Analyzer FID - Flame Ionization Detector PWR - Partially Weathered Rock							

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-3

5a. Well Location:

Glen Raven Mill (former)

NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35.265551

77.590673

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. **For All Wells:** Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. **For Injection Wells:** In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. **For Water Supply & Injection Wells:** In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.



409 Rogers View Court
Raleigh, NC 27610
Ph: 919-250-9918

LOG OF BORING:

MW-4

Page: 1 of 1

Site Name:	Former Glen Raven Mills	Drilling/Boring Method:	Geoprobe DPT	Total Boring Depth (ft):	15.0
Project Number:	R2611.00 T4055	Sampling Method:	Macrocore	Top of Casing Elev. (ft):	NA
Location:	Kinston, NC	Subcontractor/Drillers:	Quantex, Inc.	Latitude:	NA
Date Started:	8/3/2016	Driller :	Quantex, Inc.	Longitude:	NA
Date Completed:	8/3/2016	Monitoring Equipment:	NA	Technician:	K. Johnson

ft-BLS	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details			ft-BLS
2	Organics (1') and Assorted Debris (bricks, rocks, clay, soil)	0'-3' Grout	0' - 5' Casing	Grout	2
4		3'-4' Bentonite		Bentonite	4
4	Dark grey, silty sand (SM)	4'-15' Sand	5'-15' Screen	Sand	4
6	Light tan, sand (SP) - hydrated at 6' BLS				6
8	Dark grey, clay sand (SC)				8
10					10
12					12
14					14
16					16
18					18
20					20
22					22
24					24

COMMENTS:	in - indicates inches ft - indicates depth in feet ft BLS - indicates feet below land surface	N/A - indicates not applicable to this boring ppm - indicates parts per million DPT - Direct Push Technology	TVA - Toxic Vapor Analyzer FID - Flame Ionization Detector PWR - Partially Weathered Rock
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WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-4

5a. Well Location:

Glen Raven Mill (former)

NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.264393

77.590585

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

 409 Rogers View Court Raleigh, NC 27610 Ph: 919-250-9918		LOG OF BORING:		MW-5	
		Page: 1 of 1			
Site Name: Former Glen Raven Mills		Drilling/Boring Method: Geoprobe DPT		Total Boring Depth (ft): 15.0	
Project Number: R2611.00 T4055		Sampling Method: Macrocore		Top of Casing Elev. (ft): NA	
Location: Kinston, NC		Subcontractor/Drillers: Quantex, Inc.		Latitude: NA	
Date Started: 8/3/2016		Driller: Quantex, Inc.		Longitude: NA	
Date Completed: 8/3/2016		Monitoring Equipment: NA		Technician: K. Johnson	
ft-BLS	SOIL DESCRIPTION (color, texture, moisture, etc.)				ft-BLS
	Asphalt and Organics				
2	Orange and grey, clay (CL)				2
4					4
6	White, sand (SP) with pieces of clay (CL) mixed in				6
8	White, sand (SP) with orange hue - hydrated at 9' BLS				8
10	Dark grey, sand (SP)				10
12	Dark grey, silty clay (ML)				12
14					14
16					16
18					18
20					20
22					22
24					24
COMMENTS: in - indicates inches ft - indicates depth in feet ft BLS - indicates feet below land surface N/A - indicates not applicable to this boring ppm - indicates parts per million DPT - Direct Push Technology TVA - Toxic Vapor Analyzer FID - Flame Ionization Detector PWR - Partially Weathered Rock					

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-5

5a. Well Location:

Glen Raven Mill (former)

NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.265124

77.589310

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.



409 Rogers View Court
Raleigh, NC 27610
Ph: 919-250-0918

LOG OF BORING:

MW-6

Page: 1 of 1

Site Name:	Former Glen Raven Mills	Drilling/Boring Method:	Geoprobe DPT	Total Boring Depth (ft):	15.0
Project Number:	R2611.00 T4055	Sampling Method:	Macrocore	Top of Casing Elev. (ft):	NA
Location:	Kinston, NC	Subcontractor/Drillers:	Quantex, Inc.	Latitude:	NA
Date Started:	8/3/2016	Driller :	Quantex, Inc.	Longitude:	NA
Date Completed:	8/3/2016	Monitoring Equipment:	NA	Technician:	K. Johnson

ft-BLS	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details			ft-BLS
	Organics	0'-3' Grout	0' - 5' Casing	Grout	
2	Orange, dense/compacted, silty clay (ML)	3'-4' Bentonite		Bentonite	2
4					4
6					6
8	White sand (SP) - slightly hydrated at 9' BLS, very hydrated at 11' BLS	4'-15' Sand	5'-15' Screen	Sand	8
10					10
12					12
14	Dark grey, dense/compacted, sand (SP)				14
	Same as above with some clay mixed in (SC)				
16					16
18					18
20					20
22					22
24					24

COMMENTS:	in - indicates inches	N/A - indicates not applicable to this boring	TVA - Toxic Vapor Analyzer
	ft - indicates depth in feet	ppm - indicates parts per million	FID - Flame Ionization Detector
	ft BLS - indicates feet below land surface	DPT - Direct Push Technology	PWR - Partially Weathered Rock

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

James D. Barker

Well Contractor Name

3106A

NC Well Contractor Certification Number

Quantex, Inc.

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/4/16 Well ID# MW-6

5a. Well Location:

Glen Raven Mill (former) NA

Facility/Owner Name

Facility ID# (if applicable)

800 Manning Street, Kinston, NC 28501

Physical Address, City, and Zip

Lenoir

NA

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.264325

77.589539

N

W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

one of six

8. Number of wells constructed:

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

15'

9. Total well depth below land surface: _____ (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

NA

10. Static water level below top of casing: _____ (ft.)

If water level is above casing, use "+"

8"

11. Borehole diameter: _____ (in.)

Auger

12. Well construction method:

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
6 ft.	7 ft.	Tan/Brown Fine SAND
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2 in.	0.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	3 ft.	neat cement	65 lbs. pour
3 ft.	4 ft.	Bentonite	25 lbs. pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	15 ft.	#2 sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	5 ft.	Tan Silty SAND
5 ft.	10 ft.	Tan/Brown Fine SAND
10 ft.	15 ft.	Brown Fine to Medium SAND
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

8/28/16

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. **For All Wells:** Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. **For Injection Wells:** In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. **For Water Supply & Injection Wells:** In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

APPENDIX B

**GROUNDWATER MONITORING FIELD
RECORDS**

GROUNDWATER MONITORING PROGRAM DATA						MID-ATLANTIC ASSOCIATES, INC.				
PROJECT NAME: FORMER GLEN RAVEN MILL			SHEET <u>1</u> OF <u>1</u>							
JOB NO.: R2611.00 T4055			DATE(S): 8/4/16		SAMPLER'S SIGNATURE: <i>Kelly D. Johnson</i>					
REMARKS:										
Well I.D.	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6				
Well Casing Inside Diameter (in.)	2"	2"	2"	2"	2"	2"				
Total Well Depth (ft.)	15.0	15.0	15.0	15.0	15.0	15.0				
Water Depth: Marker Reading (ft.)	8.38	8.25	5.51	13.09	8.36	8.87				
Tape Reading (+ or =)										
Water Depth (Marker = Tape)										
Water Column (Total Depth - Water Depth)	6.62	6.75	9.49	1.91	6.64	6.13				
Well Volume (see Note)	1.06	1.08	1.52	0.31	1.06	0.98				
Volume To Purge (3 to 5 well volumes)	3.18	3.24	4.56	0.92	3.19	2.94				
Bail Time										
Volume Purged (Note if well went dry)	4 gal	5 gal	6 gal	dry 2 gal	4 gal	5 gal				
GROUNDWATER SAMPLING DATA										
Sample I.D.	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6				
Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016				
Time	18:20	16:00	15:30	16:45	15:15	17:30				
Parameters	8260 & 8270	8260 & 8270	8260 & 8270	8260 & 8270	8260 & 8270	8260 & 8270				
NTU	1st Volume	18.9	59.3	528	14.8	54.7	22.3			
	2nd Volume	12.7	62.9	154	56.5	45.6	14.2			
	3rd Volume	12.4	45.5	52.9		50.7	13.9			
Conductivity (Units = uS/cm)	1st Volume	0.167	0.126	0.136	0.292	0.095	0.196			
	2nd Volume	0.159	0.127	0.111	0.277	0.093	0.199			
	3rd Volume	0.162	0.128	0.114		0.090	0.198			
D.O. (mg/L)	1st Volume	4.49	1.95	3.29	8.43	2.32	4.31			
	2nd Volume	4.66	2.21	3.50	7.85	2.33	4.40			
	3rd Volume	4.68	2.25	3.46		2.31	4.44			
pH	1st Volume	6.61	6.82	6.44	7.66	6.20	6.56			
	2nd Volume	6.60	6.77	6.68	7.59	6.19	6.53			
	3rd Volume	6.60	6.86	6.67		6.18	6.53			
Note: Volumes per foot of water column: 2" well - 0.16 gal/ft, 6" well - 1.5 gal/ft.										

APPENDIX C

**A&D ENVIRONMENTAL, FIELD ANALYSIS REPORT SHEET (8/4/2016);
DRUM PROFILES FOR TRANSPORT; AND
BILLS OF LADING/MATERIAL MANIFESTS**

FIELD ANALYSIS REPORT SHEET

Chemist: Kevin Young

Date: 8/4/2016

Location: Glen Raven Mills; 800 Manning Street; Kinston, NC

[illegible]



Approval Date

☐ Solidification ☐ Recovery

Using the space provided, draw a flow chart showing how waste is generated

I. Constituents

These values are based on ☒ Generator Knowledge ☐ Analytical Results ☐ MSDS

All analytical data provided relevant to this profile must be conducted by laboratories that have NELAP/NELAC accreditation.

Accreditation Number: _____ Name: _____

Address: _____ Phone: _____

Inorganic

Metals			Other		Pesticides/Herbicides		
		Level (mg/l)		Conc.		Level	(mg/l)
D004	Arsenic	5.0		n/a	D012	Endrin	n/a
D005	Barium	100.0		n/a	D013	Lindane	n/a
D006	Cadmium	1.0		n/a	D014	Methoxychlor	n/a
D007	Chromium	5.0		n/a	D015	Toxaphene	n/a
D008	Lead	5.0		n/a	D016	2,4-D	n/a
D009	Mercury	0.2		n/a	D017	2,4,5-TP	n/a
D010	Selenium	1.0		n/a	D020	Chlordane	n/a
D011	Silver	5.0		n/a	D031	Heptachlor	n/a

Organic

Volatile Compounds			Semi-Volatile Compounds		
		Level (mg/l)			Level (mg/l)
D018	Benzene	0.5	D023	o-Cresol	200.0
D019	Carbon Tetrachloride	0.5	D024	m-Cresol	200.0
D021	Chlorobenzene	100.0	D025	p-Cresol	200.0
D022	Chloroform	6.0	D026	Cresol	200.0
D028	1,2-Dichloroethane	0.5	D027	1,4-Dichlorobenzene	7.5
D029	1,1-Dichloroethylene	0.7	D030	2,4-Dinitrotoluene	0.13
D035	Methyl Ethyl Ketone	200.0	D032	Hexachlorobenzene	0.13
D039	Tetrachloroethylene	0.7	D033	Hexachlorobutadiene	0.5
D040	Trichloroethylene	0.5	D034	Hexachloroethane	3.0
D043	Vinyl Chloride	0.2	D036	Nitrobenzene	2.0
			D037	Pentachlorophenol	100.0
			D038	Pyridine	5.0
			D041	2,4,5-Trichlorophenol	400.0
			D042	2,4,6-Trichlorophenol	2.0

J. General Information

- ☒ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group: _____
- ☒ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?
- ☒ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?
- ☒ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at CFR262.11? (Attach Documentation)
- ☒ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?
- ☒ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?
- ☒ No ☐ Yes Is this waste state regulated? If Yes, define: _____
- ☒ No ☐ Yes Are Material Safety Data Sheets and/or all analytical data relevant to this profile data sheet attached?
- ☒ No ☐ Yes Is this waste derived from an Investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☒ No If yes, sampled by: _____ Date: _____

L. Generator's Certification

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If A&D Environmental Services discovers a discrepancy during the approval process, Generator grants A&D Environmental Services the authority to amend the profile, as A&D Environmental Services LLC deems necessary, to reflect the discrepancy.

Generator Signature

Print Name

Date

Chuck Wade

Chuck Wade

8-18-16

**A&D Environmental Services, Inc.**

2718 Uwharrie Rd., Archdale, NC 27263

336-434-7750 FAX: 336-434-7752

Reserved for Facility UseApproval Date: _____ By: _____ Expiration Date: ^{1 yr from} Approval Date _____☐ Solidification ☐ Recovery **Profile Number:** _____**A. Billing Information**

Company Mid-Atlantic Associates Account # _____
Address 409 Rogers View Court
City/State Raleigh, NC Zip 27610 Contact Kelly Johnson
Phone 919-270-9085 Fax _____

B. Generator Information/Location of Waste

Generator Name Former Glen Raven Mill Site Contact _____
Address 800 Manning Street
City/State Kinston, NC Zip _____
Contact Phone _____ EPA ID NCCESQG
Type of Business _____ SIC Code _____

C. Waste Description

Common Name of Waste Versatint Supra Dye
Process Generating Waste Unused out of date material

D. Physical Properties**Physical State**

☒ 1 % Solid
☒ 99 % Liquid
☐ Sludge
99 % Free Liquid

Odor

☒ None
☐ Mild
☐ Strong

Describe: _____

Color

Describe: _____

Varies**Viscosity**

☒ Low
☐ Medium
☐ High

Specific Gravity8-9 lb/gallon**Flash Point**

☐ <73 F ☐ 140-199 F
☐ 73-99 F ☒ >199 F
☐ 100-139 F ☐ N/A

pH

☐ < 2 ☐ 9.1 - 12.4
☐ 2.1 - 4.9 ☐ > 12.5
☒ 5 - 9 ☐ N/A

Water

☐ < 5% ☒ 30-80%
☐ 5-10% ☐ 80-100%
☐ 10-30% ☐ N/A

Is this waste incompatible with other material? ☒ No ☐ Yes If Yes, explain: _____**E. Volume**

Anticipated Volume: 2x85; 1x55 ☒ Drums ☐ 5-Gallon ☐ 30-Gallon ☐ 55-Gallon ☐ Tote
☐ Bulk ☐ Tanker ☐ Pump Truck ☐ Other: _____
Estimated Frequency: ☐ Weekly ☐ Semimonthly ☐ Monthly ☐ Quarterly ☒ Other OT

F. Constituents

Total must be equal to 100%. All constituents, including debris must be identified.

Constituents	Actual %	Range
Various Color dyes	40%	30-60
Water	60%	40-70

100%**G. Other Hazards**

☐ Radioactive
☐ Water Reactive
☐ Oxidizer
☐ OSHA
☐ Carcinogen
☐ Explosive
☐ Pesticide
☐ Polymerizable
☐ Organic Peroxide
☐ Infectious
☐ Pryophoric

H. Process Flow Chart

Using the space provided, draw a flow chart showing how waste is generated

I. Constituents

These values are based on ☐ Generator Knowledge ☐ Analytical Results ☒ MSDS

All analytical data provided relevant to this profile must be conducted by laboratories that have NELAP/NELAC accreditation.

Accreditation Number: _____ Name: _____

Address: _____ Phone: _____

Inorganic

Metals	Level	(mg/l)	Other	Conc.	Pesticides/Herbicides	Level	(mg/l)
D004 Arsenic	5.0	< 5.0	Ammonia	n/a	D012 Endrin		n/a
D005 Barium	100.0	< 100.0	Phosphorus	n/a	D013 Lindane		n/a
D006 Cadmium	1.0	< 1.0	Formaldehyde	n/a	D014 Methoxychlor		n/a
D007 Chromium	5.0	< 5.0	Total Solids	n/a	D015 Toxaphene		n/a
D008 Lead	5.0	< 5.0	PCBs	n/a	D016 2,4-D		n/a
D009 Mercury	0.2	< 0.2	Copper	n/a	D017 2,4,5-TP		n/a
D010 Selenium	1.0	< 1.0	Nickel	n/a	D020 Chlordane		n/a
D011 Silver	5.0	< 5.0	Zinc	n/a	D031 Heptachlor		n/a

Organic

Volatiles Compounds	Level	(mg/l)	Semi-Volatile Compounds	Level	(mg/l)
D018 Benzene	0.5	< 0.5	D023 o-Cresol	200.0	< 200.0
D019 Carbon Tetrachloride	0.5	< 0.5	D024 m-Cresol	200.0	< 200.0
D021 Chlorobenzene	100.0	< 100.0	D025 p-Cresol	200.0	< 200.0
D022 Chloroform	6.0	< 6.0	D026 Cresol	200.0	< 200.0
D028 1,2-Dichloroethane	0.5	< 0.5	D027 1,4-Dichlorobenzene	7.5	< 7.5
D029 1,1-Dichloroethylene	0.7	< 0.7	D030 2,4-Dinitrotoluene	0.13	< 0.13
D035 Methyl Ethyl Ketone	200.0	< 200.0	D032 Hexachlorobenzene	0.13	< 0.13
D039 Tetrachloroethylene	0.7	< 0.7	D033 Hexachlorobutadiene	0.5	< 0.5
D040 Trichloroethylene	0.5	< 0.5	D034 Hexachloroethane	3.0	< 3.0
D043 Vinyl Chloride	0.2	< 0.2	D036 Nitrobenzene	2.0	< 2.0
			D037 Pentachlorophenol	100.0	< 100.0
			D038 Pyridine	5.0	< 5.0
			D041 2,4,5-Trichlorophenol	400.0	< 400.0
			D042 2,4,6-Trichlorophenol	2.0	< 2.0

J. General Information

- ☒ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group: _____
- ☒ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?
- ☒ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?
- ☒ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at CFR262.11? (Attach Documentation)
- ☒ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?
- ☒ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?
- ☒ No ☐ Yes Is this waste state regulated? If Yes, define: _____
- ☒ No ☐ Yes Are Material Safety Data Sheets and/or all analytical data relevant to this profile data sheet attached?
- ☒ No ☐ Yes Is this waste derived from an Investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☒ No If yes, sampled by: _____ Date: _____

L. Generator's Certification

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If A&D Environmental Services discovers a discrepancy during the approval process, Generator grants A&D Environmental Services the authority to amend the profile, as A&D Environmental Services LLC deems necessary, to reflect the discrepancy.

Generator Signature

Print Name

Date

Chuck Wade Chuck Wade 8-18-16

F. Constituents

Total must be equal to 100%. All constituents, including debris must be identified.

I. Constituents

These values are based on ☒ Generator Knowledge ☐ Analytical Results ☐ MSDS

All analytical data provided relevant to this profile must be conducted by laboratories that have NELAP/NELAC accreditation.

Accreditation Number: _____ Name: _____

Address: _____ Phone: _____

Inorganic				Other				Pesticides/Herbicides			
Metals				Conc.				Level			
D004	Arsenic	Level	(mg/l)	Ammonia	n/a	D012	Endrin	Level	(mg/l)		
D005	Barium	5.0	< 5.0	Phosphorus	n/a	D013	Lindane		n/a		
D006	Cadmium	100.0	< 100.0	Formaldehyde	n/a	D014	Methoxychlor		n/a		
D007	Chromium	1.0	< 1.0	Total Solids	n/a	D015	Toxaphene		n/a		
D008	Lead	5.0	< 5.0	PCBs	n/a	D016	2,4-D		n/a		
D009	Mercury	5.0	< 5.0	Copper	n/a	D017	2,4,5-TP		n/a		
D010	Selenium	0.2	< 0.2	Nickel	n/a	D020	Chlordane		n/a		
D011	Silver	1.0	< 1.0	Zinc	n/a	D031	Heptachlor		n/a		
		5.0	< 5.0								

Organic				Semi-Volatile Compounds			
Volatile Compounds				Level			
D018	Benzene	Level	(mg/l)	D023	o-Cresol	200.0	< 200.0
D019	Carbon Tetrachloride	0.5	< 0.5	D024	m-Cresol	200.0	< 200.0
D021	Chlorobenzene	0.5	< 0.5	D025	p-Cresol	200.0	< 200.0
D022	Chloroform	100.0	< 100.0	D026	Cresol	200.0	< 200.0
D028	1,2-Dichloroethane	6.0	< 6.0	D027	1,4-Dichlorobenzene	7.5	< 7.5
D029	1,1-Dichloroethylene	0.5	< 0.5	D030	2,4-Dinitrotoluene	0.13	< 0.13
D035	Methyl Ethyl Ketone	0.7	< 0.7	D032	Hexachlorobenzene	0.13	< 0.13
D039	Tetrachloroethylene	200.0	< 200.0	D033	Hexachlorobutadiene	0.5	< 0.5
D040	Trichloroethylene	0.7	< 0.7	D034	Hexachloroethane	3.0	< 3.0
D043	Vinyl Chloride	0.5	< 0.5	D036	Nitrobenzene	2.0	< 2.0
		0.2	< 0.2	D037	Pentachlorophenol	100.0	< 100.0
				D038	Pyridine	5.0	< 5.0
				D041	2,4,5-Trichlorophenol	400.0	< 400.0
				D042	2,4,6-Trichlorophenol	2.0	< 2.0

J. General Information

- 1 ☒ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group: _____
- 2 ☒ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?
- 3 ☒ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?
- 4 ☒ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at CFR 262.11? (Attach Documentation)
- 5 ☒ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?
- 6 ☒ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?
- 7 ☒ No ☐ Yes Is this waste state regulated? If Yes, define: _____
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- 9 ☒ No ☐ Yes Is this waste derived from an Investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☒ No If yes, sampled by: _____ Date: _____

L. Generator's Certification

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Generator Signature

Print Name

Date

Chuck Wade

Chuck Wade

8-18-16

I. Constituents

These values are based on ☒ Generator Knowledge ☐ Analytical Results ☐ MSDS

All analytical data provided relevant to this profile must be conducted by laboratories that have NELAP/NELAC accreditation.

Accreditation Number: _____ Name: _____

Address: _____ Phone: _____

Inorganic

Metals			Other		Pesticides/Herbicides		
	Level	(mg/l)		Conc.		Level	(mg/l)
D004 Arsenic	5.0	< 5.0	Ammonia	n/a	D012 Endrin		n/a
D005 Barium	100.0	< 100.0	Phosphorus	n/a	D013 Lindane		n/a
D006 Cadmium	1.0	< 1.0	Formaldehyde	n/a	D014 Methoxychlor		n/a
D007 Chromium	5.0	< 5.0	Total Solids	n/a	D015 Toxaphene		n/a
D008 Lead	5.0	< 5.0	PCBs	n/a	D016 2,4-D		n/a
D009 Mercury	0.2	< 0.2	Copper	n/a	D017 2,4,5-TP		n/a
D010 Selenium	1.0	< 1.0	Nickel	n/a	D020 Chlordane		n/a
D011 Silver	5.0	< 5.0	Zinc	n/a	D031 Heptachlor		n/a

Organic

Volatile Compounds			Semi-Volatile Compounds		
	Level	(mg/l)		Level	(mg/l)
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D021 Chlorobenzene	100.0	< 100.0	D025 p-Cresol	200.0	< 200.0
D022 Chloroform	6.0	< 6.0	D026 Cresol	200.0	< 200.0
D028 1,2-Dichloroethane	0.5	< 0.5	D027 1,4-Dichlorobenzene	7.5	< 7.5
D029 1,1-Dichloroethylene	0.7	< 0.7	D030 2,4-Dinitrotoluene	0.13	< 0.13
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D039 Tetrachloroethylene	0.7	< 0.7	D033 Hexachlorobutadiene	0.5	< 0.5
D040 Trichloroethylene	0.5	< 0.5	D034 Hexachloroethane	3.0	< 3.0
D043 Vinyl Chloride	0.2	< 0.2	D036 Nitrobenzene	2.0	< 2.0
			D037 Pentachlorophenol	100.0	< 100.0
			D038 Pyridine	5.0	< 5.0
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			D042 2,4,6-Trichlorophenol	2.0	< 2.0

J. General Information

- ☒ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group: _____
- ☒ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?
- ☒ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?
- ☒ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at CFR262.11? (Attach Documentation)
- ☒ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?
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- ☒ No ☐ Yes Is this waste derived from an investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☒ No If yes, sampled by: _____ Date: _____

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Generator Signature

Print Name

Date

Chuck Wade

Chuck Wade

8-18-16



A&D Environmental Services

Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number NCCESQG	Page 1 of 1	Emergency Response Phone 800-255-3924-MIS0007951	Tracking Number 19708
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Generator's Name and Mailing Address Former Glen Raven Mill 2013 W. Venable Ave Kinston, NC 28504	Generator's site address (if different from mailing address) 800 Manning Street Kinston, NC
---	---

Transporter 1 ☐ 2 ☐ Company Name A&D Environmental Services, Inc.	US EPA ID No: NCD986232221
Transporter 1 ☒ 2 ☐ Company Name A&D Environmental Services (SC), LLC	US EPA ID No: SCD987598331

☒ Designated Facility A&D Environmental Services, Inc. 2718 Uwaharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	☐ Designated Facility A&D Environmental Services, Inc. 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	☐ Designated Facility A&D Environmental Services (SC), LLC 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	☐ Designated Facility A&D Environmental Services (SC), LLC 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055
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HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non Regulated Material (Versatint Dyes)					2016 -
	Non Regulated Material (WW Treatment Resin 85 Gal)	6	DF	1400	P	2016 -
	Non Regulated Material (WW Treatment Resin 55 Gal)	2	DM	500	P	2016 -
	Non Regulated Material (WW Treatment Resin 55 Gal)	1	DM	400	P	2016 -
Petroleum Products for Recycle						
X	NA1993, Diesel fuel, 3, III					ERG# 128
X	NA1993, Fuel oil (No. 1, 2, 4, 5 or 6), 3, III					ERG# 128
X	UN1203, Gasoline, 3, II					ERG# 128
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle							
HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III	ERG# 172	Mercury Containing Articles
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II	ERG# 171	TSCA Exempt PCB Lamp Ballasts
X					UN2800, Batteries, wet, nonspillable, 8, III	ERG# 154	Sealed Lead Acid Batteries
X					UN2794, Batteries, wet, filled with acid, 8, III	ERG# 154	Lead Acid Batteries
X					UN2795, Batteries, wet, filled with alkali, 8, III	ERG# 154	Wet NiCad Batteries
X					UN3090, Lithium batteries, 9, II	ERG# 138	Lithium Batteries
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	ERG# 154	Alkaline Batteries
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	ERG# 154	NiCad Batteries
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Fluorescent lamps 4' or <
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Fluorescent lamps 4'
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Circular/U-tube lamps
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Compact Lamps
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Shattershield
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		HID/MV/UV Lamps
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))		Incandescent Lamps
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)		Non-PCB Light Ballasts
					Electronic Equipment for Recycle (Not DOT-Regulated)		Electronics

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Officer's Printed/Typed Name Chuck Wink	Signature <i>Chuck Wink</i>	Month 8	Day 18	Year 16
Transporter 1 Printed/Typed Name Matt Wray	Signature <i>Matt Wray</i>	Month 8	Day 18	Year 16
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year
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A&D Environmental Services

Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number NCCESQG	Page 1 of 1	Emergency Response Phone 800-255-3924-MIS0007951	Tracking Number 19709
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Generator's Name and Mailing Address Former Glen Raven Mill 2018 W. Karrow Ave Kinston, NC 28504	Generator's site address (if different from mailing address) 800 Manning Street Kinston, NC
---	---

Transporter 1 ☐ 2 ☐	Company Name A&D Environmental Services, Inc.	US EPA ID No: NCD986232221
Transporter 1 ☒ 2 ☐	Company Name A&D Environmental Services (SC), LLC	US EPA ID No: SCD987598331
☒ Designated Facility A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	☐ Designated Facility A&D Environmental Services, Inc. 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	☐ Designated Facility A&D Environmental Services (SC), LLC 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331
☐ Designated Facility A&D Environmental Services (SC), LLC 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055		

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Regulated Material (Oil)		DF	300	P	2016 -
	Non-Regulated Material (Empty Drum)		DF	40	P	2016 -
Petroleum Products for Recycle						
		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III					
X	UN1203, Gasoline, 3, II					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle							
HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Officer's Printed/Typed Name Chuck Wade	Signature 	Month 8	Day 18	Year 16
Transporter 1 Printed/Typed Name Math Wray	Signature 	Month 8	Day 18	Year 16
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

APPENDIX D

**MATRIX HEALTH & SAFETY CONSULTANTS, LLC., *SURVEY FOR THE
PRESENCE OF ASBESTOS-CONTAINING MATERIALS AND LEAD-
BASED PAINTS, DATED AUGUST 23, 2016***



August 23, 2016

Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Attention: Mr. Kelly Johnson, G.I.T

Subject: Survey for the Presence of Asbestos-Containing Materials and Lead-Based Paints
Former Glen Raven Mill- Three Buildings
800 Manning Street
Kinston, North Carolina
Matrix Job Number: 160850

Dear Mr. Johnson:

Matrix Health & Safety Consultants, L.L.C. (Matrix) is pleased to present this report of the survey to identify the presence of asbestos-containing materials and lead-based paints at the referenced project site. This report includes a description of the scope of services performed and results of the survey.

PROJECT INFORMATION

Matrix understands that the subject property is scheduled for selective demolition and renovation in the near future. In order to facilitate the demolition/renovation, Matrix performed a survey to identify asbestos-containing materials which are required to be removed prior to renovation activities. Matrix also performed a limited lead-based paint survey to detect painted surfaces that may need special attention during the renovation to prevent lead dust contamination.

SURVEY PROCEDURES

The survey was performed on August 18, 2016 by Matrix inspectors John Pearson (NC Lead Risk Assessor 120185), and Matt Dickens (NC Asbestos Inspector No. 12088, NC Lead Risk Assessor 120126). The survey began with a visual inspection of accessible areas for the presence of suspect asbestos-containing materials (ACM) and lead-based paints (LBP). Both friable and nonfriable suspect asbestos-containing materials were considered during the course of the survey.

Friable materials are those materials that can be pulverized or reduced to powder by hand pressure. A sampling strategy was determined and bulk samples of suspect ACM's were obtained. Suspect ACM's were grouped based on material homogeneity. A homogeneous area is an area which contains materials that seem by texture, color and wear to be uniform and applied during the same general time period.

In order to determine if the suspect materials documented during the survey contained asbestos, the materials were sampled and delivered to Scientific Analytical Institute, Inc. in Greensboro, NC for laboratory analysis.

Each sample obtained was placed in a sealed container and labeled with a consecutive number, location and date. This information was logged on our Asbestos Bulk Sampling Record sheet and then sent to the laboratory. A signed chain-of-custody form is maintained with the samples until they are returned or disposed of.

ASBESTOS ANALYSIS PROCEDURES

The collected asbestos samples were analyzed using Polarized Light Microscopy (PLM) in conjunction with dispersion staining techniques using EPA Method 600/R-93/116. The bulk laboratory analysis provided the asbestos content (positive or negative), percentage of asbestos, asbestos type and identification of other non-asbestos fibers. A material is considered by the EPA to be asbestos-containing if asbestos is present in a quantity greater than one percent (1%). The results of the laboratory analysis are presented in the attached Laboratory Analytical Reports.

ASBESTOS SURVEY RESULTS

The following tables include the materials identified as asbestos-containing during our survey. For a list of all materials tested, please refer to the laboratory analytical reports.

Building One- Warehouse

No asbestos-containing materials identified

Building Two- Office

MATERIAL	GENERAL LOCATION & APPROXIMATE QUANTITY	TYPE AND PERCENTAGE OF ASBESTOS PRESENT
Vinyl Sheet Flooring Under Carpet	Office areas (800 sq/ft)	15% Chrysotile
Exterior Door Caulk	Exterior Doors (25 ln/ft)	6% Chrysotile
Roofing Debris (Paint on Gravel)	Side Porch (50 sq/ft)	5% Chrysotile
Stoop Mastic	Above Side Entrance (10 ln/ft)	6% Chrysotile
Exterior Window Glazing (Metal Windows)	Front of Building (15 ln/ft)	3% Chrysotile
Roof Shingles	Roof (1000 sq/ft)	18% Chrysotile
Roof Flashing	Roof Perimeter (50 ln/ft)	4% Chrysotile

Analysis Method: EPA 600/R-93/116 Method using Polarized Light Microscopy

Building Three- Manufacturing

MATERIAL	GENERAL LOCATION & APPROXIMATE QUANTITY	TYPE AND PERCENTAGE OF ASBESTOS PRESENT
Fire Doors	Throughout (Unknown)	Assumed
Exterior Door Caulk (Brown)	Exterior Doors (100 ln/ft)	5-6% Chrysotile
Tan Vinyl Sheet Flooring (Speckled Pattern)	Cafeteria (1300 sq/ft)	15% Chrysotile
Black Mastic	AC Units (500 sq/ft)	10% Chrysotile
Thermal System Insulation (Debris)	Crawlspace (Unknown)	25-28% Amosite 2-5% Chrysotile
Window Glazing	Basement (30 ln/ft)	2% Chrysotile
Roof Flashing	Roof Perimeter (2500 ln/ft)	3% Chrysotile
Exterior Window Glazing	Roof Windows (500 ln/ft)	2% Chrysotile

Analysis Method: EPA 600/R-93/116 Method using Polarized Light Microscopy

The National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires the removal of asbestos-containing materials prior to renovation or demolition activities, which would disturb them. Matrix recommends that asbestos-containing materials that will be disturbed during renovation/demolition be removed by a qualified asbestos abatement contractor, using North Carolina accredited personnel, in accordance with applicable federal and state regulations governing the removal of asbestos-containing materials.

LEAD-BASED PAINT SURVEY PROCEDURES

The lead-based paint survey began with our inspectors/risk assessors walking the subject property and documenting testing combinations and selecting test locations. The walls/sides of the property are distinguished by Side A, B, C, or D. Wall or side A is typically the side of the main entrance, then moving clockwise would be wall/side B, C, or D. After the testing strategy was determined, Matrix used an LPA-1 Lead Paint Spectrum Analyzer (XRF) to determine the lead content (mg/cm²) of painted surfaces at the subject property. For the purpose of this survey, paints with concentrations of 1.0 mg/cm² or greater were considered lead-based paint.

Below you will find the lead-based paint results summarizing identified components with concentrations greater than or equal to 1.0 mg/cm² of lead. However, detectable lead quantities less than 1.0 mg/cm² may constitute a lead dust hazard even though it is not a lead-based paint as defined by Federal Standards. For a list of all surfaces tested and XRF results, refer to the attached XRF Testing Report.

(XRF) Results- Building One- Warehouse

No lead-based paint identified in this building

(XRF) Results- Building Two- Office

COMPONENT	SUBSTRATE	COLOR	LOCATION	LEAD CONTENT (mg/cm2)	CONDITION
Exterior Fascia	Wood	Blue	All Sides	>9.9	Deteriorated
Exterior Soffit	Wood	White	All Sides	>9.9	Deteriorated
Exterior Window Casing and Sash	Wood	White	Sides B,C, and D	>9.9	Deteriorated

(XRF) Results- Building Three- Manufacturing

COMPONENT	SUBSTRATE	COLOR	LOCATION	LEAD CONTENT (mg/cm2)	CONDITION
Exterior Corner Board	Metal	Light Green	Side A	>9.9	Intact
Exterior Soffit and Support	Wood	Wood	Side A	7.3 - >9.9	Deteriorated
Interior Window Sash	Wood	Gray	Foyer (Side A)	4.4	Deteriorated
Interior Wall	Brick	Blue	Foyer (Side B)	1.0	Deteriorated
Interior Columns (Posts)	Brick	Dark Blue	Manufacturing Area	6.7	Deteriorated
Interior Railing	Metal	Yellow	Chiller Room	1.0	Intact
Interior Column (Posts)	Wood	Blue	Manufacturing Area	4.1	Deteriorated
Interior Sliding Door	Metal	Blue	Manufacturing Area	2.1	Deteriorated
Interior Door	Metal	Blue	Basement	3.8	Deteriorated
Interior Window Casing and Sash	Metal	Gray	Basement	5.1 – 9.6	Deteriorated

The Occupational Safety and Health Administration (OSHA) Lead in Construction Standard (29 CFR 1926.62) states that “negative” readings (i.e. those below the HUD/EPA definition of what constitutes LBP [1.0 mg/cm2] **does not** relieve contractors from performing exposure assessments (personal air monitoring) on their employees per the OSHA Lead Standard, and should not be interpreted as lead free. Although a reading may indicate “negative”, airborne lead concentrations still may exceed the OSHA Action Level or the OSHA Permissible exposure limit (PEL) depending on the work activity.

Matrix appreciates the opportunity to have provided these services. We would be glad to discuss any of the results contained in this report, at your convenience. If there are any questions concerning this report or results, please contact us.

Sincerely,
MATRIX HEALTH & SAFETY CONSULTANTS, L.L.C.



C. Britt Wester, CIH
Principal



Matt Dickens
Project Manager
NC Asbestos Inspector No. 12088
NC Lead Risk Assessor No. 120126

Attachments: Laboratory Analysis Reports
 XRF Testing Data
 Photos

Laboratory Analysis Reports



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Project: 800 Manning St. - Kinston, NC Building 1

Lab Order ID: 1616268
Analysis ID: 1616268_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-1	2x2 Ceiling tiles - office	None Detected	40% Cellulose 30% Mineral Wool	20% Perlite 10% Other	Gray Fibrous Homogeneous
1616268PLM_1					Ashed
800-2	2x2 Ceiling tiles - office	None Detected	40% Cellulose 30% Mineral Wool	25% Perlite 5% Other	Gray Fibrous Homogeneous
1616268PLM_2					Ashed
800-3	Wallboard & joint compound - dividing wall	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray, White Non Fibrous Heterogeneous
1616268PLM_3	wallboard: none detect; joint compnd: none detect				Crushed
800-4	Wallboard & joint compound - dividing wall	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray, White Non Fibrous Heterogeneous
1616268PLM_4	wallboard: none detect; joint compnd: none detect				Crushed
800-5	Insulation paper wrap - perimeter	None Detected	70% Cellulose 10% Fiber Glass	20% Other	Tan Fibrous Homogeneous
1616268PLM_5					Ashed
800-6	Insulation paper wrap - perimeter	None Detected	70% Cellulose 10% Fiber Glass	20% Other	Tan Fibrous Homogeneous
1616268PLM_6					Ashed
800-7	Exterior caulk (white)	None Detected		100% Other	White Non Fibrous Homogeneous
1616268PLM_7					Ashed
800-8	Exterior caulk (white)	None Detected		100% Other	White Non Fibrous Homogeneous
1616268PLM_8					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (8)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

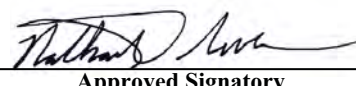
Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-9 - A	Gray speckled VSF - entrance rear	None Detected	30% Cellulose	70% Other	Gray Non Fibrous Heterogeneous
1616287PLM_9	vinyl				Teased
800-9 - B	Gray speckled VSF - entrance rear	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1616287PLM_44	mastic				Dissolved
800-10 - A	Gray speckled VSF - entrance rear	None Detected	30% Cellulose	70% Other	Gray Non Fibrous Heterogeneous
1616287PLM_10	vinyl				Teased
800-10 - B	Gray speckled VSF - entrance rear	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1616287PLM_45	mastic				Dissolved
800-11	2x2 ceiling tiles - entrance rear	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1616287PLM_11					Teased, Ashed
800-12	2x2 ceiling tiles - entrance rear	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1616287PLM_12					Teased, Ashed
800-13	2x4 ceiling tiles - throughout	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1616287PLM_13					Teased, Ashed
800-14	2x4 ceiling tiles - throughout	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1616287PLM_14					Teased, Ashed

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Byron Stroble (46)

Analyst



Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-15	1x1 ceiling tiles - throughout	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1616287PLM_15					Teased
800-16	1x1 ceiling tiles - throughout	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1616287PLM_16					Teased
800-17	VSF under carpet -	15% Chrysotile	15% Cellulose	70% Other	Beige Non Fibrous Heterogeneous
1616287PLM_17	unable to separate mastic				Teased
800-18	VSF under carpet -	15% Chrysotile	15% Cellulose	70% Other	Beige Non Fibrous Heterogeneous
1616287PLM_18	unable to separate mastic				Teased
800-19 - A	Plaster - entrance rear	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1616287PLM_19	surfacing				Teased
800-19 - B	Plaster - entrance rear	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_46	finish				Teased
800-19 - C	Plaster - entrance rear	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1616287PLM_47	base				Crushed
800-20 - A	Plaster - entrance rear	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1616287PLM_20	surfacing				Teased

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Byron Stroble (46)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-20 - B	Plaster - entrance rear	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_48	finish				Teased
800-20 - C	Plaster - entrance rear	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1616287PLM_49	base				Crushed
800-21	Wallboard and joint compound	None Detected	10% Cellulose	90% Other	Brown, White Non Fibrous Heterogeneous
1616287PLM_21	wallboard: none detect; joint compnd: none detect				Teased
800-22	Wallboard and joint compound	None Detected	10% Cellulose	90% Other	Brown, White Non Fibrous Heterogeneous
1616287PLM_22	wallboard: none detect; joint compnd: none detect				Teased
800-23 - A	Textured paint - porch	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1616287PLM_23	patch				Ashed
800-23 - B	Textured paint - porch	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1616287PLM_50	mastic				Dissolved
800-24 - A	Textured paint - porch	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1616287PLM_24	patch				Ashed
800-24 - B	Textured paint - porch	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1616287PLM_51	mastic				Dissolved

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Byron Stroble (46)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-25	Door caulk - exterior	6% Chrysotile		94% Other	Beige Non Fibrous Heterogeneous
1616287PLM_25					Dissolved
800-26	Door caulk - exterior	6% Chrysotile		94% Other	Beige Non Fibrous Heterogeneous
1616287PLM_26					Dissolved
800-27	Interior window glazing - wood windows	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_27					Dissolved
800-28	Interior window glazing - wood windows	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_28					Dissolved
800-29 - A	Roof material, debris	5% Chrysotile		95% Other	Black, Silver Non Fibrous Heterogeneous
1616287PLM_29	paint on gravel				Dissolved
800-29 - B	Roof material, debris	None Detected	15% Cellulose	85% Other	Black Non Fibrous Heterogeneous
1616287PLM_52	built up roofing				Dissolved
800-29 - C	Roof material, debris	None Detected	70% Cellulose	30% Other	Black Fibrous Heterogeneous
1616287PLM_53	felt				Teased, Dissolved
800-30 - A	Roof material, debris	5% Chrysotile		95% Other	Black, Silver Non Fibrous Heterogeneous
1616287PLM_30	paint on gravel				Dissolved

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Byron Stroble (46)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
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Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-30 - B	Roof material, debris	None Detected	15% Cellulose	85% Other	Black Non Fibrous Heterogeneous
1616287PLM_54	built up roofing				Dissolved
800-30 - C	Roof material, debris	None Detected	70% Cellulose	30% Other	Black Fibrous Heterogeneous
1616287PLM_55	felt				Teased, Dissolved
800-31	Stoop mastic	6% Chrysotile		94% Other	Black Non Fibrous Heterogeneous
1616287PLM_31					Dissolved
800-32	Stoop mastic	6% Chrysotile		94% Other	Black Non Fibrous Heterogeneous
1616287PLM_32					Dissolved
800-34	Window glazing - metal windows	3% Chrysotile		97% Other	Gray Non Fibrous Heterogeneous
1616287PLM_43					Dissolved
800-35	Window glazing - metal windows	3% Chrysotile		97% Other	Gray Non Fibrous Heterogeneous
1616287PLM_34					Dissolved
800-36	Window caulk - metal windows	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
1616287PLM_35					Dissolved
800-37	Window caulk - metal windows	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
1616287PLM_36					Dissolved

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Byron Stroble (46)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616287
Analysis ID: 1616287_PLM
Date Received: 8/19/2016
Date Reported: 8/22/2016

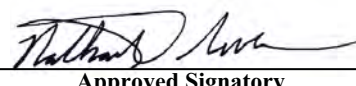
Project: 800 Manning St - Office Bldg Bldg 2 Kinston, NC

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-38	Window caulk - wood windows	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_37					Ashed
800-39	Window caulk - wood windows	None Detected		100% Other	White Non Fibrous Heterogeneous
1616287PLM_38					Ashed
800-86	Transite roof shingles	18% Chrysotile		82% Other	Gray Non Fibrous Heterogeneous
1616287PLM_39					Teased
800-87	Transite roof shingles	18% Chrysotile		82% Other	Gray Non Fibrous Heterogeneous
1616287PLM_40					Teased
800-88	Roof flashing	4% Chrysotile	6% Cellulose	90% Other	Black Non Fibrous Heterogeneous
1616287PLM_41					Dissolved
800-89	Roof flashing	4% Chrysotile	6% Cellulose	90% Other	Black Non Fibrous Heterogeneous
1616287PLM_42					Dissolved

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Byron Stroble (46)

Analyst


Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616273
Analysis ID: 1616273_PLM
Date Received: 8/19/2016
Date Reported: 8/19/2016

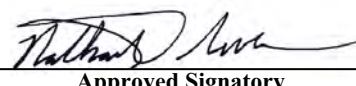
Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-40	Porch mastic (gray)	None Detected	20% Fiber Glass	65% Other 15% Quartz	Gray Non Fibrous Homogeneous
1616273PLM_1					Crushed, Dissolved
800-41	Porch mastic (gray)	None Detected	20% Fiber Glass	65% Other 15% Quartz	Gray Non Fibrous Homogeneous
1616273PLM_47					Crushed
800-42	Exterior siding caulk	None Detected	3% Wollastonite	97% Other	Gray, Tan Non Fibrous Homogeneous
1616273PLM_2					Crushed, Dissolved
800-43	Exterior siding caulk	None Detected	3% Wollastonite	97% Other	Gray, Tan Non Fibrous Homogeneous
1616273PLM_3					Crushed, Dissolved
800-44 - A	Exterior door caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
1616273PLM_4	grey caulk				Crushed, Dissolved
800-44 - B	Exterior door caulk	6% Chrysotile		94% Other	Brown Non Fibrous Homogeneous
1616273PLM_48	brown caulk				Crushed, Dissolved
800-45 - A	Exterior door caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
1616273PLM_5	grey caulk				Crushed, Dissolved
800-45 - B	Exterior door caulk	5% Chrysotile		95% Other	Brown Non Fibrous Homogeneous
1616273PLM_49	brown caulk				Crushed, Dissolved

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Heather Davide (48)

Analyst



Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616273
Analysis ID: 1616273_PLM
Date Received: 8/19/2016
Date Reported: 8/19/2016

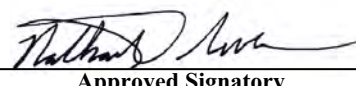
Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-46	Exterior pipe gasket (red)	None Detected		100% Other	Red Non Fibrous Homogeneous
1616273PLM_6					Crushed
800-47	Exterior pipe gasket (red)	None Detected		100% Other	Red Non Fibrous Homogeneous
1616273PLM_7					Crushed, Dissolved
800-48	Roof debris	None Detected	45% Fiber Glass	55% Other	Black Non Fibrous Homogeneous
1616273PLM_8					Teased, Crushed
800-49	Roof debris	None Detected	45% Fiber Glass	55% Other	Black Non Fibrous Homogeneous
1616273PLM_9					Teased, Crushed
800-50	Brick seam caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
1616273PLM_10					Crushed, Dissolved
800-51	Brick seam caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
1616273PLM_11					Crushed, Dissolved
800-52	Window glazing (windows in crawspace)	None Detected		100% Other	Tan, Green Non Fibrous Homogeneous
1616273PLM_12					Crushed
800-53	Window glazing (windows in crawspace)	None Detected		100% Other	Tan, Green Non Fibrous Homogeneous
1616273PLM_13					Crushed

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Analyst



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EPA Method: 600/R-93/116 and 600/M4-82-020



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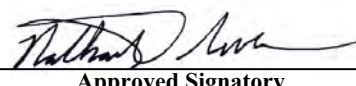
Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-54	Shed roofing	None Detected	10% Cellulose	90% Other	Black Non Fibrous Homogeneous
1616273PLM_14					Teased, Crushed
800-55	Shed roofing	None Detected	10% Cellulose	90% Other	Black Non Fibrous Homogeneous
1616273PLM_15					Crushed, Dissolved
800-56	Cool seal mastic - chimney	None Detected		100% Other	Silver Non Fibrous Homogeneous
1616273PLM_16					Crushed, Dissolved
800-57	Cool seal mastic - chimney	None Detected		100% Other	Silver Non Fibrous Homogeneous
1616273PLM_17					Crushed, Dissolved
800-58	2x4 ceiling tiles (foyer) (file storage)	None Detected	45% Cellulose 45% Fiber Glass	6% Perlite 4% Other	Brown, White Fibrous Heterogeneous
1616273PLM_18					Teased
800-59	2x4 ceiling tiles (foyer) (file storage)	None Detected	45% Cellulose 45% Fiber Glass	6% Perlite 4% Other	Brown, White Fibrous Heterogeneous
1616273PLM_19					Teased
800-60	Roof debris	None Detected		100% Other	Black Non Fibrous Homogeneous
1616273PLM_20					Crushed, Dissolved
800-61	Roof debris	None Detected		100% Other	Black Non Fibrous Homogeneous
1616273PLM_21					Crushed, Dissolved

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Analyst


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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

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2900-B Yonkers Rd.
Raleigh, NC 27604

Lab Order ID: 1616273
Analysis ID: 1616273_PLM
Date Received: 8/19/2016
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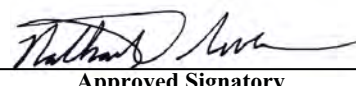
Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-62	Gray speckled VSF - front office/cafeteria	None Detected	50% Cellulose 10% Fiber Glass	40% Other	Gray Non Fibrous Homogeneous
1616273PLM_22					Teased, Crushed
800-63	Gray speckled VSF - front office/cafeteria	None Detected	50% Cellulose 10% Fiber Glass	40% Other	Gray Non Fibrous Homogeneous
1616273PLM_23					Teased, Crushed
800-64	1x1 ceiling tiles - front office - fissures	None Detected	97% Cellulose	3% Other	Brown, White Fibrous Heterogeneous
1616273PLM_24					Teased
800-65	1x1 ceiling tiles - front office - fissures	None Detected	97% Cellulose	3% Other	Brown, White Fibrous Heterogeneous
1616273PLM_25					Teased
800-66	Tan speckled VSF - café	15% Chrysotile	25% Cellulose	60% Other	Beige Non Fibrous Homogeneous
1616273PLM_26					Teased, Crushed
800-67	Tan speckled VSF - café	15% Chrysotile	25% Cellulose	60% Other	Beige Non Fibrous Homogeneous
1616273PLM_27					Teased, Crushed
800-68	1x1 ceiling tiles - smooth/cafeteria	None Detected	98% Cellulose	2% Other	Brown, White Fibrous Heterogeneous
1616273PLM_28					Teased
800-69	1x1 ceiling tiles - smooth/cafeteria	None Detected	98% Cellulose	2% Other	Brown, White Fibrous Heterogeneous
1616273PLM_29					Teased

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

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Raleigh, NC 27604

Lab Order ID: 1616273
Analysis ID: 1616273_PLM
Date Received: 8/19/2016
Date Reported: 8/19/2016

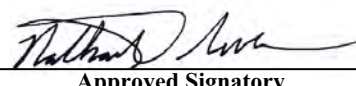
Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-70	White mastic over styrofoam insulation - basement	None Detected		80% Other 20% Perlite	White Non Fibrous Homogeneous
1616273PLM_30					Crushed, Dissolved
800-71	White mastic over styrofoam insulation - basement	None Detected		85% Other 15% Perlite	White Non Fibrous Homogeneous
1616273PLM_31					Crushed, Dissolved
800-72	Roof material under foam	None Detected	25% Fiber Glass	75% Other	Black Non Fibrous Homogeneous
1616273PLM_32					Dissolved
800-73	Roof material under foam	None Detected	30% Fiber Glass	70% Other	Black Non Fibrous Homogeneous
1616273PLM_33					Crushed, Dissolved
800-74	Black mastic (air conditioner units)	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1616273PLM_34					Crushed, Dissolved
800-75	Black mastic (air conditioner units)	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1616273PLM_35					Crushed, Dissolved
800-76	TSI debris on ground (crawl space)	25% Amosite 5% Chrysotile		70% Other	Gray Fibrous Heterogeneous
1616273PLM_36					Teased, Crushed
800-77	TSI debris on ground (crawl space)	28% Amosite 2% Chrysotile		70% Other	Gray Fibrous Heterogeneous
1616273PLM_37					Teased, Crushed

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EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Matrix Health & Safety Consultants **Attn:** Matt Dickens
2900-B Yonkers Rd.
Raleigh, NC 27604

Project: 800 Manning St Bldg 3 Kinston, NC; Fire Doors

Lab Order ID: 1616273
Analysis ID: 1616273_PLM
Date Received: 8/19/2016
Date Reported: 8/19/2016

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
800-78	Window glazing(basement)	2% Chrysotile		98% Other	Gray, Beige Non Fibrous Homogeneous
1616273PLM_38					Crushed
800-79	Window glazing(basement)	2% Chrysotile		98% Other	Gray, Beige Non Fibrous Homogeneous
1616273PLM_39					Crushed
800-80	Roof material (rocked roof)	None Detected	35% Fiber Glass	65% Other	Black Non Fibrous Homogeneous
1616273PLM_40					Crushed, Dissolved
800-81	Roof material (rocked roof)	None Detected	35% Fiber Glass	65% Other	Black Non Fibrous Homogeneous
1616273PLM_41					Crushed, Dissolved
800-82	Roof flashing	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
1616273PLM_42					Dissolved
800-83	Roof flashing	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
1616273PLM_43					Dissolved
800-84	Exterior window glazing (roof)	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1616273PLM_44					Crushed
800-85	Exterior window glazing (roof)	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1616273PLM_45					Crushed

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Analyst

Approved Signatory

XRF Testing Data

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 08/18/16 09:57

INSPECTION FOR: Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

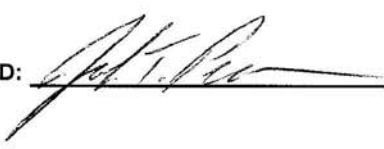
PERFORMED AT: Former Glen Raven Mill
800 Manning Street
Kinston, NC

INSPECTION DATE: 08/18/16

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 3212

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 120185

SIGNED: _____

Date: 8/22/16

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Inspection Date: 08/18/16
 Report Date: 8/22/2016
 Abatement Level: 1.0
 Report No. 08/18/16 09:57
 Total Readings: 154 Actionable: 16
 Job Started: 08/18/16 09:57
 Job Finished: 08/18/16 17:01

Former Glen Raven Mill
 800 Manning Street
 Kinston, NC

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 002 Building #2									
028	A	Fascia			P	Wood	Blue	>9.9	QM
027	A	Soffit			P	Wood	White	>9.9	QM
030	A	Window	Ctr	Sash	P	Wood	White	>9.9	QM
029	A	Window	Ctr	Lft casing	P	Wood	White	>9.9	QM
Exterior Room 004 Build. 3-2									
053	A	Corner board	Rgt		I	Metal	Lt. Green	1.0	QM
Exterior Room 005 Build. 3-4									
067	A	Soffit			P	Wood	Green	>9.9	QM
068	A	Sof. Sup.	Ctr		P	Wood	Green	7.3	QM
Interior Room 002 1-Foyer									
043	A	Window	Ctr	Sash	P	Wood	Gray	4.4	QM
104	B	Wall	L Ctr		P	Brick	Blue	1.0	QM
Interior Room 003 1-Manu.									
114	A	Posts	Ctr		P	Brick	Dk. Blue	6.7	QM
Interior Room 004 1-Chiller									
122	A	Railing	Rgt	Railing	I	Metal	Yellow	1.0	QM
Interior Room 005 2nd-Man.									
135	A	Post	Ctr		P	Wood	Blue	4.1	QM
130	B	Sliding Dr.	Lft		P	Metal	Blue	2.1	QM
Interior Room 008 Basement									
143	B	Door	Ctr	U Ctr	P	Metal	Blue	3.8	QM
147	C	Window	Ctr	Sash	P	Metal	Gray	5.1	QM
146	C	Window	Ctr	Lft casing	P	Metal	Gray	9.6	QM
Calibration Readings									

---- End of Readings ----

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Inspection Date: 08/18/16
 Report Date: 8/22/2016
 Abatement Level: 1.0
 Report No. 08/18/16 09:57
 Total Readings: 154
 Job Started: 08/18/16 09:57
 Job Finished: 08/18/16 17:01

Former Glen Raven Mill
 800 Manning Street
 Kinston, NC

Read No.	Rm No.	Room Name	Wall Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
1		CALIBRATION							1.0	QM
2		CALIBRATION							1.0	QM
3		CALIBRATION							1.0	QM
4		CALIBRATION							0.2	QM
5		CALIBRATION							-0.2	QM
6		CALIBRATION							0.0	QM
7	001	Building #1	B Wall	U Lft		I Metal		White	-0.2	QM
8	001	Building #1	B Bollard	Lft		P Metal		Yellow	-0.1	QM
9	001	Building #1	B Bollard	Lft		P Metal		Red	-0.2	QM
10	001	Building #1	B Door	Lft Lft jamb		P Metal		Blue	-0.3	QM
11	001	Building #1	B Door	Lft U Ctr		I Metal		Black	-0.5	QM
12	001	Building #1	C Safety Box	Rgt		P Metal		Yellow	-0.1	QM
13	001	Building #1	C Shelter	Rgt		P Metal		White	-0.2	QM
14	001	Building #1	D Door	Rgt U Ctr		I Metal		White	-0.2	QM
15	001	Building #1	D Air Comp.	Rgt		I Metal		Green	-0.3	QM
16	001	Building 1	B Beam	Rgt		I Metal		Red	-0.1	QM
17	001	Building 1	B Wall	L Rgt		I Wood		Lt. Blue	-0.4	QM
18	001	Building 1	B Baseboard	Ctr		I Wood		Dk. Blue	-0.3	QM
19	001	Building 1	B Door	Ctr U Ctr		I Wood		White	-0.3	QM
20	001	Building 1	B Wall	L Ctr		P Drywall		Blue	-0.4	QM
21	001	Building 1	B Elec. Panel	Ctr		I Wood		Tan	-0.3	QM
22	001	Building 1	C Equipment	Rgt		I Metal		Green	-0.3	QM
23	001	Building 1	D Equipment	Ctr		I Metal		Green	-0.2	QM
24	001	Building 1	D Cat Walk	Ctr		I Metal		Yellow	0.1	QM
25	001	Building 1	C Bumper	Ctr		I Metal		Yellow	-0.1	QM
26	001	Building 1	D Blender	Ctr		I Metal		White	-0.1	QM
27	002	Building #2	A Soffit			P Wood		White	>9.9	QM
28	002	Building #2	A Fascia			P Wood		Blue	>9.9	QM
29	002	Building #2	A Window	Ctr Lft casing		P Wood		White	>9.9	QM
30	002	Building #2	A Window	Ctr Sash		P Wood		White	>9.9	QM
31	002	Building #2	A Window	Ctr Sill		P Concrete		White	-0.4	QM
32	002	Building #2	A A/C	Ctr		P Metal		White	-0.1	QM
33	002	Building #2	B Porch Floor	Ctr		P Concrete		Blue	-0.2	QM
34	002	Building #2	C Porch Post	Ctr		P Metal		Black	-0.2	QM
35	002	Building #2	D Crawl Door	Lft		I Metal		Red	-0.1	QM
36	002	Building #2	D Crawl Door	Rgt		P Wood		Red	-0.4	QM
37	002	1-Foyer	A Wall	U Ctr		I Drywall		Wallpaper	0.0	QM
38	002	1-Foyer	A Chair rail	Ctr		I Wood		Pink	-0.1	QM
39	002	1-Foyer	A Chair rail	Ctr		I Wood		White	-0.1	QM
40	002	1-Foyer	B Closet	Ctr Door		I Wood		White	-0.3	QM
41	002	1-Foyer	B Closet	Ctr Door Casing		I Wood		White	0.0	QM
42	002	1-Foyer	A Window	Ctr Lft casing		P Wood		Gray	0.0	QM
43	002	1-Foyer	A Window	Ctr Sash		P Wood		Gray	4.4	QM
44	002	1-Foyer	A Window	Ctr Sill		P Wood		Gray	-0.1	QM
45	002	1-Foyer	D Door	Rgt Lft casing		P Wood		Gray	0.0	QM
46	002	1-Foyer	D Door	Rgt Lft jamb		P Wood		Gray	-0.2	QM
47	003	Build. 3-1	A Wall	L Rgt		I Metal		Lt. Green	-0.1	QM

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
48	003	Build. 3-1	A	Crawl Vent		Rgt	P	Metal	Green	0.0	QM
49	003	Build. 3-1	A	Railing		Rgt Railing	P	Metal	Green	-0.1	QM
50	003	Build. 3-1	A	Porch Floor		Rgt	P	Concrete	Gray	-0.2	QM
51	003	Build. 3-1	A	Threshold		Rgt	P	Metal	Green	-0.1	QM
52	004	Build. 3-2	A	Downspout		Rgt	I	Metal	Brown	-0.1	QM
53	004	Build. 3-2	A	Corner board		Rgt	I	Metal	Lt.Green	1.0	QM
54	004	Build. 3-2	A	Wall	L	Rgt	I	Cinderbloc	Lt.Green	-0.1	QM
55	004	Build. 3-2	A	Foundation		Rgt	I	Concrete	Lt.Green	-0.2	QM
56	004	Build. 3-2	A	Window		Rgt Rgt casing	P	Wood	White	0.0	QM
57	004	Build. 3-2	A	Door		Ctr U Ctr	P	Metal	Green	-0.5	QM
58	004	Build. 3-2	A	Door		Ctr Lft casing	P	Metal	Green	0.2	QM
59	004	Build. 3-2	A	Panel		Ctr	P	Metal	Lt.Green	-0.3	QM
60	004	Build. 3-2	A	Door		Lft U Ctr	P	Metal	Lt.Green	-0.2	QM
61	004	Build. 3-2	A	Window		Lft Lft casing	P	Wood	Lt.Green	-0.1	QM
62	003	Build. 3-1	A	Stairs		Ctr Stringer	P	Metal	Lt.Green	-0.1	QM
63	003	Build. 3-1	A	Chiller		Ctr	P	Metal	Lt.Green	0.0	QM
64	003	Build. 3-1	A	Door		Ctr U Ctr	I	Metal	White	-0.3	QM
65	003	Build. 3-1	A	Door		Ctr Rgt casing	P	Metal	Green	0.1	QM
66	005	Build. 3-4	A	Wall	U	Ctr	P	Wood	Green	-0.3	QM
67	005	Build. 3-4	A	Soffit			P	Wood	Green	>9.9	QM
68	005	Build. 3-4	A	Sof. Sup.		Ctr	P	Wood	Green	7.3	QM
69	005	Build. 3-4	A	Fascia			P	Metal	Green	0.0	QM
70	006	Build. 3-5	A	Door		Ctr Rgt casing	P	Metal	Green	-0.1	QM
71	006	Build. 3-5	A	Railing		Ctr Railing	P	Metal	Green	0.2	QM
72	006	Build. 3-5	A	Door		Lft U Ctr	P	Metal	White	-0.5	QM
73	006	Build. 3-5	A	Door		Lft Rgt casing	P	Metal	White	-0.1	QM
74	006	Build. 3-5	A	Compactor		Lft	P	Metal	Gray	-0.3	QM
75	006	Build. 3-5	B	Door		Ctr U Ctr	P	Metal	Lt. Blue	-0.1	QM
76	006	Build. 3-5	C	Door		Ctr U Ctr	P	Metal	Lt. Blue	-0.1	QM
77	003	Build. 3-1	C	Stairs		Ctr Stringer	P	Metal	Gray	0.0	QM
78	003	Build. 3-1	C	Door		Ctr Rgt casing	P	Wood	White	-0.3	QM
79	003	Build. 3-1	C	Door		Ctr U Ctr	P	Metal	Lt. Blue	-0.3	QM
80	003	Build. 3-1	C	Door		Ctr Rgt casing	P	Metal	Lt. Blue	-0.1	QM
81	003	Build. 3-1	C	Crawl Case		Ctr	P	Metal	Lt.Green	-0.2	QM
82	007	Build. 3-7	C	Wall	U	Ctr	I	Metal	Gray	0.0	QM
83	007	Build. 3-7	C	Corner board		Lft	P	Metal	Gray	-0.6	QM
84	007	Build. 3-7	D	Door		Lft Lft casing	P	Metal	Gray	-0.2	QM
85	007	Build. 3-7	D	Door		Lft Lft casing	P	Wood	Blue	-0.2	QM
86	001	Building #1	C	Stairs		Lft Stringer	I	Metal	Gray	0.3	QM
87	001	Building #1	C	Door		Lft U Ctr	P	Metal	Blue	-0.2	QM
88	001	Building #1	C	Door		Lft U Ctr	P	Wood	Blue	0.0	QM
89	001	Building #1	C	Door		Lft Rgt casing	P	Wood	Blue	-0.3	QM
90	001	Building #1	C	Door		Lft Lft casing	P	Wood	Lt.Green	-0.3	QM
91	001	Building #1	C	Window		Lft Sill	P	Concrete	Lt.Green	0.3	QM
92	001	Building #1	C	Win.Insert		Lft	P	Wood	Tan	-0.3	QM
93	008	Build. 3-6	D	Door		Rgt Lft casing	P	Wood	Lt.Green	-0.4	QM
94	008	Build. 3-6	D	Door		Rgt Lft casing	P	Brick	Lt.Green	-0.4	QM
95	008	Build. 3-6	A	Railing		Rgt Railing	P	Metal	Gray	-0.1	QM
96	008	Build. 3-6	A	Door		Rgt Lft casing	P	Metal	Lt.Green	0.0	QM
97	008	Build. 3-6	A	Door		Lft Lft casing	P	Wood	Lt.Green	-0.4	QM
98		CALIBRATION								1.0	QM
99		CALIBRATION								1.0	QM
100		CALIBRATION								1.0	QM
101		CALIBRATION								0.0	QM
102		CALIBRATION								-0.1	QM

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
103		CALIBRATION								0.0	QM
104	002	1-Foyer	B	Wall	L	Ctr	P	Brick	Blue	1.0	QM
105	002	1-Foyer	C	Wall	L	Ctr	P	Brick	White	0.2	QM
106	002	1-Foyer	C	Wall	U	Ctr	P	Brick	Green	0.2	QM
107	002	1-Foyer	C	Wall	L	Ctr	P	Drywall	Blue	-0.1	QM
108	002	1-Foyer	C	Door		Ctr Lft casing	P	Wood	Blue	0.5	QM
109	002	1-Foyer	C	Door		Ctr U Ctr	P	Wood	Blue	-0.3	QM
110	002	1-Foyer	C	Stairs		Rgt Wall	P	Wood	Blue	-0.1	QM
111	002	1-Foyer	C	Stairs		Lft Risers	P	Wood	Blue	-0.1	QM
112	003	1-Manu.	A	Wall	L	Ctr	P	Brick	Lt. Blue	-0.1	QM
113	003	1-Manu.	A	Baseboard		Ctr	I	Brick	Dk. Blue	-0.1	QM
114	003	1-Manu.	A	Posts		Ctr	P	Brick	Dk. Blue	6.7	QM
115	003	1-Manu.	B	Wall	L	Lft	I	Brick	Lt. Blue	-0.2	QM
116	003	1-Manu.	A	Equipment		Ctr	P	Metal	Green	0.4	QM
117	003	1-Manu.	A	Equipment		Ctr	I	Metal	Gray	0.4	QM
118	003	1-Manu.	A	Post		Ctr	I	Metal	Blue	-0.1	QM
119	003	1-Manu.	C	Ceiling			P	Wood	White	-0.1	QM
120	003	1-Manu.	C	Beam		Ctr	P	Wood	White	0.0	QM
121	003	1-Manu.	A	Wall	L	Ctr	P	Brick	Blue	0.5	QM
122	004	1-Chiller	A	Railing		Rgt Railing	I	Metal	Yellow	1.0	QM
123	004	1-Chiller	B	Wall	L	Lft	P	Brick	Blue	0.2	QM
124	004	1-Chiller	D	Ductwork		Rgt	I	Metal	Blue	0.0	QM
125	004	1-Chiller	C	Post		Ctr	I	Metal	Blue	-0.2	QM
126	005	2nd-Man.	A	Beam		Rgt	I	Metal	Blue	0.0	QM
127	005	2nd-Man.	A	Railing		Ctr Railing	P	Wood	Blue	0.0	QM
128	005	2nd-Man.	A	Ceiling			I	Wood	White	-0.4	QM
129	006	2nd-Baths	C	Door		Rgt U Ctr	I	Wood	Blue	-0.2	QM
130	005	2nd-Man.	B	Sliding Dr.		Lft	P	Metal	Blue	2.1	QM
131	005	2nd-Man.	A	Wall	U	Ctr	P	Brick	Lt. Blue	-0.1	QM
132	005	2nd-Man.	A	Wall	L	Ctr	P	Brick	White	0.6	QM
133	005	2nd-Man.	A	Stairs		Ctr Treads	P	Concrete	Blue	-0.4	QM
134	005	2nd-Man.	C	Wall	L	Ctr	P	Wood	Lt. Blue	-0.1	QM
135	005	2nd-Man.	A	Post		Ctr	P	Wood	Blue	4.1	QM
136	005	2nd-Man.	C	Elevator		Lft	P	Metal	Blue	-0.2	QM
137	005	2nd-Man.	C	Pipe		Lft	P	Metal	Red	-0.6	QM
138	006	2nd-Baths	C	Wall	L	Ctr	P	Ceramic	White	-0.3	QM
139	006	2nd-Baths	C	Floor			P	Ceramic	Gray	-0.1	QM
140	007	Build. 3-5	C	Beam		Ctr	I	Metal	White	-0.1	QM
141	008	Basement	B	Stairs		Ctr Stringer	I	Metal	Black	-0.1	QM
142	008	Basement	B	Wall	L	Ctr	P	Brick	Blue	0.0	QM
143	008	Basement	B	Door		Ctr U Ctr	P	Metal	Blue	3.8	QM
144	008	Basement	C	Beam		Ctr	I	Metal	Blue	-0.1	QM
145	008	Basement	C	Beam		Ctr	I	Metal	Red	-0.1	QM
146	008	Basement	C	Window		Ctr Lft casing	P	Metal	Gray	9.6	QM
147	008	Basement	C	Window		Ctr Sash	P	Metal	Gray	5.1	QM
148	008	Basement	C	Door		Ctr Lft casing	P	Wood	Green	-0.3	QM
149		CALIBRATION								1.0	QM
150		CALIBRATION								1.0	QM
151		CALIBRATION								1.0	QM
152		CALIBRATION								0.3	QM
153		CALIBRATION								-0.2	QM
154		CALIBRATION								0.0	QM

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Inspection Date: 08/18/16
 Report Date: 8/22/2016
 Abatement Level: 1.0
 Report No. 08/18/16 09:57
 Total Readings: 154
 Job Started: 08/18/16 09:57
 Job Finished: 08/18/16 17:01

Former Glen Raven Mill
 800 Manning Street
 Kinston, NC

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Building #1									
007	B	Wall	U Lft		I	Metal	White	-0.2	QM
010	B	Door	Lft	Lft jamb	P	Metal	Blue	-0.3	QM
011	B	Door	Lft	U Ctr	I	Metal	Black	-0.5	QM
008	B	Bollard	Lft		P	Metal	Yellow	-0.1	QM
009	B	Bollard	Lft		P	Metal	Red	-0.2	QM
091	C	Window	Lft	Sill	P	Concrete	Lt.Green	0.3	QM
089	C	Door	Lft	Rgt casing	P	Wood	Blue	-0.3	QM
090	C	Door	Lft	Lft casing	P	Wood	Lt.Green	-0.3	QM
087	C	Door	Lft	U Ctr	P	Metal	Blue	-0.2	QM
088	C	Door	Lft	U Ctr	P	Wood	Blue	0.0	QM
086	C	Stairs	Lft	Stringer	I	Metal	Gray	0.3	QM
092	C	Win.Insert	Lft		P	Wood	Tan	-0.3	QM
012	C	Safety Box	Rgt		P	Metal	Yellow	-0.1	QM
013	C	Shelter	Rgt		P	Metal	White	-0.2	QM
014	D	Door	Rgt	U Ctr	I	Metal	White	-0.2	QM
015	D	Air Comp.	Rgt		I	Metal	Green	-0.3	QM
Exterior Room 002 Building #2									
028	A	Fascia			P	Wood	Blue	>9.9	QM
027	A	Soffit			P	Wood	White	>9.9	QM
030	A	Window	Ctr	Sash	P	Wood	White	>9.9	QM
031	A	Window	Ctr	Sill	P	Concrete	White	-0.4	QM
029	A	Window	Ctr	Lft casing	P	Wood	White	>9.9	QM
032	A	A/C	Ctr		P	Metal	White	-0.1	QM
033	B	Porch Floor	Ctr		P	Concrete	Blue	-0.2	QM
034	C	Porch Post	Ctr		P	Metal	Black	-0.2	QM
035	D	Crawl Door	Lft		I	Metal	Red	-0.1	QM
036	D	Crawl Door	Rgt		P	Wood	Red	-0.4	QM
Exterior Room 003 Build. 3-1									
047	A	Wall	L Rgt		I	Metal	Lt.Green	-0.1	QM
065	A	Door	Ctr	Rgt casing	P	Metal	Green	0.1	QM
064	A	Door	Ctr	U Ctr	I	Metal	White	-0.3	QM
062	A	Stairs	Ctr	Stringer	P	Metal	Lt.Green	-0.1	QM
049	A	Railing	Rgt	Railing	P	Metal	Green	-0.1	QM
063	A	Chiller	Ctr		P	Metal	Lt.Green	0.0	QM
048	A	Crawl Vent	Rgt		P	Metal	Green	0.0	QM
050	A	Porch Floor	Rgt		P	Concrete	Gray	-0.2	QM
051	A	Threshold	Rgt		P	Metal	Green	-0.1	QM
078	C	Door	Ctr	Rgt casing	P	Wood	White	-0.3	QM
080	C	Door	Ctr	Rgt casing	P	Metal	Lt. Blue	-0.1	QM
079	C	Door	Ctr	U Ctr	P	Metal	Lt. Blue	-0.3	QM
077	C	Stairs	Ctr	Stringer	P	Metal	Gray	0.0	QM
081	C	Crawl Case	Ctr		P	Metal	Lt.Green	-0.2	QM
Exterior Room 004 Build. 3-2									
054	A	Wall	L Rgt		I	Cinderbloc	Lt.Green	-0.1	QM
055	A	Foundation	Rgt		I	Concrete	Lt.Green	-0.2	QM
053	A	Corner board	Rgt		I	Metal	Lt.Green	1.0	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
061	A	Window	Lft	Lft casing	P	Wood	Lt.Green	-0.1	QM
056	A	Window	Rgt	Rgt casing	P	Wood	White	0.0	QM
060	A	Door	Lft	U Ctr	P	Metal	Lt.Green	-0.2	QM
058	A	Door	Ctr	Lft casing	P	Metal	Green	0.2	QM
057	A	Door	Ctr	U Ctr	P	Metal	Green	-0.5	QM
059	A	Panel	Ctr		P	Metal	Lt.Green	-0.3	QM
052	A	Downspout	Rgt		I	Metal	Brown	-0.1	QM
Exterior Room 005 Build. 3-4									
066	A	Wall	U Ctr		P	Wood	Green	-0.3	QM
069	A	Fascia			P	Metal	Green	0.0	QM
067	A	Soffit			P	Wood	Green	>9.9	QM
068	A	Sof. Sup.	Ctr		P	Wood	Green	7.3	QM
Exterior Room 006 Build. 3-5									
073	A	Door	Lft	Rgt casing	P	Metal	White	-0.1	QM
072	A	Door	Lft	U Ctr	P	Metal	White	-0.5	QM
070	A	Door	Ctr	Rgt casing	P	Metal	Green	-0.1	QM
071	A	Railing	Ctr	Railing	P	Metal	Green	0.2	QM
074	A	Compactor	Lft		P	Metal	Gray	-0.3	QM
075	B	Door	Ctr	U Ctr	P	Metal	Lt. Blue	-0.1	QM
076	C	Door	Ctr	U Ctr	P	Metal	Lt. Blue	-0.1	QM
Exterior Room 007 Build. 3-7									
082	C	Wall	U Ctr		I	Metal	Gray	0.0	QM
083	C	Corner board	Lft		P	Metal	Gray	-0.6	QM
084	D	Door	Lft	Lft casing	P	Metal	Gray	-0.2	QM
085	D	Door	Lft	Lft casing	P	Wood	Blue	-0.2	QM
Exterior Room 008 Build. 3-6									
097	A	Door	Lft	Lft casing	P	Wood	Lt.Green	-0.4	QM
096	A	Door	Rgt	Lft casing	P	Metal	Lt.Green	0.0	QM
095	A	Railing	Rgt	Railing	P	Metal	Gray	-0.1	QM
093	D	Door	Rgt	Lft casing	P	Wood	Lt.Green	-0.4	QM
094	D	Door	Rgt	Lft casing	P	Brick	Lt.Green	-0.4	QM
Interior Room 001 Building 1									
020	B	Wall	L Ctr		P	Drywall	Blue	-0.4	QM
017	B	Wall	L Rgt		I	Wood	Lt. Blue	-0.4	QM
018	B	Baseboard	Ctr		I	Wood	Dk. Blue	-0.3	QM
019	B	Door	Ctr	U Ctr	I	Wood	White	-0.3	QM
021	B	Elec. Panel	Ctr		I	Wood	Tan	-0.3	QM
016	B	Beam	Rgt		I	Metal	Red	-0.1	QM
025	C	Bumper	Ctr		I	Metal	Yellow	-0.1	QM
022	C	Equipment	Rgt		I	Metal	Green	-0.3	QM
023	D	Equipment	Ctr		I	Metal	Green	-0.2	QM
024	D	Cat Walk	Ctr		I	Metal	Yellow	0.1	QM
026	D	Blender	Ctr		I	Metal	White	-0.1	QM
Interior Room 002 1-Foyer									
037	A	Wall	U Ctr		I	Drywall	Wallpapr	0.0	QM
038	A	Chair rail	Ctr		I	Wood	Pink	-0.1	QM
039	A	Chair rail	Ctr		I	Wood	White	-0.1	QM
043	A	Window	Ctr	Sash	P	Wood	Gray	4.4	QM
044	A	Window	Ctr	Sill	P	Wood	Gray	-0.1	QM
042	A	Window	Ctr	Lft casing	P	Wood	Gray	0.0	QM
104	B	Wall	L Ctr		P	Brick	Blue	1.0	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
040	B	Closet	Ctr	Door	I	Wood	White	-0.3	QM
041	B	Closet	Ctr	Door Casing	I	Wood	White	0.0	QM
105	C	Wall	L Ctr		P	Brick	White	0.2	QM
107	C	Wall	L Ctr		P	Drywall	Blue	-0.1	QM
106	C	Wall	U Ctr		P	Brick	Green	0.2	QM
108	C	Door	Ctr	Lft casing	P	Wood	Blue	0.5	QM
109	C	Door	Ctr	U Ctr	P	Wood	Blue	-0.3	QM
111	C	Stairs	Lft	Risers	P	Wood	Blue	-0.1	QM
110	C	Stairs	Rgt	Wall	P	Wood	Blue	-0.1	QM
045	D	Door	Rgt	Lft casing	P	Wood	Gray	0.0	QM
046	D	Door	Rgt	Lft jamb	P	Wood	Gray	-0.2	QM
Interior Room 003 1-Manu.									
112	A	Wall	L Ctr		P	Brick	Lt. Blue	-0.1	QM
121	A	Wall	L Ctr		P	Brick	Blue	0.5	QM
113	A	Baseboard	Ctr		I	Brick	Dk. Blue	-0.1	QM
114	A	Posts	Ctr		P	Brick	Dk. Blue	6.7	QM
116	A	Equipment	Ctr		P	Metal	Green	0.4	QM
117	A	Equipment	Ctr		I	Metal	Gray	0.4	QM
118	A	Post	Ctr		I	Metal	Blue	-0.1	QM
115	B	Wall	L Lft		I	Brick	Lt. Blue	-0.2	QM
119	C	Ceiling			P	Wood	White	-0.1	QM
120	C	Beam	Ctr		P	Wood	White	0.0	QM
Interior Room 004 1-Chiller									
122	A	Railing	Rgt	Railing	I	Metal	Yellow	1.0	QM
123	B	Wall	L Lft		P	Brick	Blue	0.2	QM
125	C	Post	Ctr		I	Metal	Blue	-0.2	QM
124	D	Ductwork	Rgt		I	Metal	Blue	0.0	QM
Interior Room 005 2nd-Man.									
132	A	Wall	L Ctr		P	Brick	White	0.6	QM
131	A	Wall	U Ctr		P	Brick	Lt. Blue	-0.1	QM
128	A	Ceiling			I	Wood	White	-0.4	QM
133	A	Stairs	Ctr	Treads	P	Concrete	Blue	-0.4	QM
127	A	Railing	Ctr	Railing	P	Wood	Blue	0.0	QM
135	A	Post	Ctr		P	Wood	Blue	4.1	QM
126	A	Beam	Rgt		I	Metal	Blue	0.0	QM
130	B	Sliding Dr.	Lft		P	Metal	Blue	2.1	QM
134	C	Wall	L Ctr		P	Wood	Lt. Blue	-0.1	QM
136	C	Elevator	Lft		P	Metal	Blue	-0.2	QM
137	C	Pipe	Lft		P	Metal	Red	-0.6	QM
Interior Room 006 2nd-Baths									
138	C	Wall	L Ctr		P	Ceramic	White	-0.3	QM
139	C	Floor			P	Ceramic	Gray	-0.1	QM
129	C	Door	Rgt	U Ctr	I	Wood	Blue	-0.2	QM
Interior Room 007 Build. 3-5									
140	C	Beam	Ctr		I	Metal	White	-0.1	QM
Interior Room 008 Basement									
142	B	Wall	L Ctr		P	Brick	Blue	0.0	QM
143	B	Door	Ctr	U Ctr	P	Metal	Blue	3.8	QM
141	B	Stairs	Ctr	Stringer	I	Metal	Black	-0.1	QM
147	C	Window	Ctr	Sash	P	Metal	Gray	5.1	QM
146	C	Window	Ctr	Lft casing	P	Metal	Gray	9.6	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
148	C	Door	Ctr	Lft casing	P	Wood	Green	-0.3	QM
144	C	Beam	Ctr		I	Metal	Blue	-0.1	QM
145	C	Beam	Ctr		I	Metal	Red	-0.1	QM
Calibration Readings									
001								1.0	QM
002								1.0	QM
003								1.0	QM
004								0.2	QM
005								-0.2	QM
006								0.0	QM
098								1.0	QM
099								1.0	QM
100								1.0	QM
101								0.0	QM
102								-0.1	QM
103								0.0	QM
149								1.0	QM
150								1.0	QM
151								1.0	QM
152								0.3	QM
153								-0.2	QM
154								0.0	QM
----- End of Readings -----									

DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Inspection Date: 08/18/16
 Report Date: 8/22/2016
 Abatement Level: 1.0
 Report No. 08/18/16 09:57
 Total Reading Sets: 136
 Job Started: 08/18/16 09:57
 Job Finished: 08/18/16 17:01

Former Glen Raven Mill
 800 Manning Street
 Kinston, NC

Structure	Total	Structure Distribution			
		Positive	Negative	Inconclusive	
A/C	1	0	<0%>	1	<100%>
Air Comp.	1	0	<0%>	1	<100%>
Baseboard	2	0	<0%>	2	<100%>
Beam	6	0	<0%>	6	<100%>
Blender	1	0	<0%>	1	<100%>
Bollard	2	0	<0%>	2	<100%>
Bumper	1	0	<0%>	1	<100%>
Cat Walk	1	0	<0%>	1	<100%>
Ceiling	2	0	<0%>	2	<100%>
Chair rail	2	0	<0%>	2	<100%>
Chiller	1	0	<0%>	1	<100%>
Closet Door	1	0	<0%>	1	<100%>
Closet Door Casing	1	0	<0%>	1	<100%>
Compactor	1	0	<0%>	1	<100%>
Corner board	2	1	<50%>	1	<50%>
Crawl Case	1	0	<0%>	1	<100%>
Crawl Door	2	0	<0%>	2	<100%>
Crawl Vent	1	0	<0%>	1	<100%>
Door Lft casing	11	0	<0%>	11	<100%>
Door Lft jamb	2	0	<0%>	2	<100%>
Door Rgt casing	6	0	<0%>	6	<100%>
Door U Ctr	15	1	<7%>	14	<93%>
Downspout	1	0	<0%>	1	<100%>
Ductwork	1	0	<0%>	1	<100%>
Elec. Panel	1	0	<0%>	1	<100%>
Elevator	1	0	<0%>	1	<100%>
Equipment	4	0	<0%>	4	<100%>
Fascia	2	1	<50%>	1	<50%>
Floor	1	0	<0%>	1	<100%>
Foundation	1	0	<0%>	1	<100%>
Panel	1	0	<0%>	1	<100%>
Pipe	1	0	<0%>	1	<100%>
Porch Floor	2	0	<0%>	2	<100%>
Porch Post	1	0	<0%>	1	<100%>
Post	3	1	<33%>	2	<67%>
Posts	1	1	<100%>	0	<0%>
Railing Railing	5	1	<20%>	4	<80%>
Safety Box	1	0	<0%>	1	<100%>
Shelter	1	0	<0%>	1	<100%>
Sliding Dr.	1	1	<100%>	0	<0%>
Sof. Sup.	1	1	<100%>	0	<0%>
Soffit	2	2	<100%>	0	<0%>
Stairs Risers	1	0	<0%>	1	<100%>
Stairs Stringer	4	0	<0%>	4	<100%>
Stairs Treads	1	0	<0%>	1	<100%>
Stairs Wall	1	0	<0%>	1	<100%>
Threshold	1	0	<0%>	1	<100%>
Wall	21	1	<5%>	20	<95%>
Win.Insert	1	0	<0%>	1	<100%>
Window Lft casing	4	2	<50%>	2	<50%>
Window Rgt casing	1	0	<0%>	1	<100%>
Window Sash	3	3	<100%>	0	<0%>
Window Sill	3	0	<0%>	3	<100%>

DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR: Mid-Atlantic Associates

Inspection Totals:	136	16 < 12%>	120 < 88%>	0 < 0%>
			1	

Photos



Example of asbestos-containing vinyl sheet flooring under carpet in Building 2



Example of asbestos-containing roof debris outside Building 2



Example of stoop mastic on Building 2



Example of window glazing on metal windows in Building 2



Example of tan vinyl sheet flooring in Building 3



Example of black mastic on AC units in Building 3



Example of thermal system insulation debris in Building 3



Example of window glazing in Building 3



Example of roof flashing on Building 3



Example of window glazing on roof of Building 3

APPENDIX E

**LABORATORY ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY RECORDS**

08/15/2016

Mid-Atlantic Associates, Inc. - Raleigh
Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Lab Submittal Date: 08/05/2016

Prism Work Order: 6080128

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.



Angela D. Overcash

VP Laboratory Services



Reviewed By Terri W. Cole For Angela D. Overcash

Project Manager

Data Qualifiers Key Reference:

A	Average response is below established range. CCV response is within range.
D	RPD value outside of the control limits.
ISB	Both 5035 VOA samples resulted in low internal standard recovery. Analysis repeated using bulk sample container.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
MC	Sample concentration too high for recovery evaluation.
RL	Increased RL because of the sample matrix.
SR	Surrogate recovery outside the QC limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SB-1	6080128-01	Solid	08/03/16	08/05/16
SB-2	6080128-02	Solid	08/03/16	08/05/16
SB-3	6080128-03	Solid	08/03/16	08/05/16
SB-4	6080128-04	Solid	08/03/16	08/05/16
SB-5	6080128-05	Solid	08/03/16	08/05/16
SB-6	6080128-06	Solid	08/03/16	08/05/16
Duplicate	6080128-07	Solid	08/03/16	08/05/16

Samples were received in good condition at 3.9 degrees C unless otherwise noted.



Summary of Detections

08/15/2016

Prism Work Order: 6080128

Prism ID	Client ID	Parameter	Method	Result		Units
6080128-01	SB-1	1-Methylnaphthalene	8270D	0.17	J	mg/kg dry
6080128-01	SB-1	2-Methylnaphthalene	8270D	0.21	J	mg/kg dry
6080128-01	SB-1	Benzo(b)fluoranthene	8270D	0.14	J	mg/kg dry
6080128-01	SB-1	Chrysene	8270D	0.35	J	mg/kg dry
6080128-01	SB-1	Naphthalene	8270D	0.16	J	mg/kg dry
6080128-01	SB-1	Phenanthrene	8270D	0.39	J	mg/kg dry
6080128-01	SB-1	Arsenic	*6010D	4.9		mg/kg dry
6080128-01	SB-1	Barium	*6010D	130		mg/kg dry
6080128-01	SB-1	Chromium	*6010D	3.7		mg/kg dry
6080128-01	SB-1	Lead	*6010D	5.4		mg/kg dry
6080128-01	SB-1	Selenium	*6010D	0.96		mg/kg dry
6080128-02	SB-2	1-Methylnaphthalene	8270D	0.68	J	mg/kg dry
6080128-02	SB-2	2-Methylnaphthalene	8270D	0.73	J	mg/kg dry
6080128-02	SB-2	Chrysene	8270D	0.66	J	mg/kg dry
6080128-02	SB-2	Phenanthrene	8270D	0.91	J	mg/kg dry
6080128-02	SB-2	Pyrene	8270D	0.54	J	mg/kg dry
6080128-02	SB-2	Mercury	*7471B	0.23		mg/kg dry
6080128-02	SB-2	Arsenic	*6010D	7.3		mg/kg dry
6080128-02	SB-2	Barium	*6010D	27		mg/kg dry
6080128-02	SB-2	Chromium	*6010D	3.3		mg/kg dry
6080128-02	SB-2	Lead	*6010D	4.8		mg/kg dry
6080128-02	SB-2	Selenium	*6010D	1.4		mg/kg dry
6080128-02	SB-2	Acetone	8260B	0.039	J	mg/kg dry
6080128-03	SB-3	Arsenic	*6010D	4.3		mg/kg dry
6080128-03	SB-3	Barium	*6010D	48		mg/kg dry
6080128-03	SB-3	Chromium	*6010D	8.4		mg/kg dry
6080128-03	SB-3	Lead	*6010D	11		mg/kg dry
6080128-03	SB-3	Selenium	*6010D	1.2		mg/kg dry
6080128-03	SB-3	Acetone	8260B	0.044	J	mg/kg dry
6080128-04	SB-4	1-Methylnaphthalene	8270D	0.60	J	mg/kg dry
6080128-04	SB-4	2-Methylnaphthalene	8270D	0.72	J	mg/kg dry
6080128-04	SB-4	Benzo(a)anthracene	8270D	1.6	J	mg/kg dry
6080128-04	SB-4	Benzo(a)pyrene	8270D	1.2	J	mg/kg dry
6080128-04	SB-4	Benzo(b)fluoranthene	8270D	1.8	J	mg/kg dry
6080128-04	SB-4	Benzo(g,h,i)perylene	8270D	0.79	J	mg/kg dry
6080128-04	SB-4	Chrysene	8270D	1.9	J	mg/kg dry
6080128-04	SB-4	Fluoranthene	8270D	2.5		mg/kg dry
6080128-04	SB-4	Indeno(1,2,3-cd)pyrene	8270D	0.89	J	mg/kg dry
6080128-04	SB-4	Naphthalene	8270D	0.52	J	mg/kg dry
6080128-04	SB-4	Phenanthrene	8270D	2.1		mg/kg dry
6080128-04	SB-4	Pyrene	8270D	3.0		mg/kg dry
6080128-04	SB-4	Mercury	*7471B	0.12		mg/kg dry
6080128-04	SB-4	Arsenic	*6010D	11		mg/kg dry
6080128-04	SB-4	Barium	*6010D	87		mg/kg dry

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Prism ID	Client ID	Parameter	Method	Result	Units
6080128-04	SB-4	Chromium	*6010D	4.3	mg/kg dry
6080128-04	SB-4	Lead	*6010D	29	mg/kg dry
6080128-04	SB-4	Selenium	*6010D	1.6	mg/kg dry
6080128-04	SB-4	Acetone	8260B	0.038 J	mg/kg dry
6080128-05	SB-5	1-Methylnaphthalene	8270D	2.2	mg/kg dry
6080128-05	SB-5	2-Methylnaphthalene	8270D	2.5	mg/kg dry
6080128-05	SB-5	Benzo(a)anthracene	8270D	0.81 J	mg/kg dry
6080128-05	SB-5	Benzo(a)pyrene	8270D	0.62 J	mg/kg dry
6080128-05	SB-5	Benzo(b)fluoranthene	8270D	0.95 J	mg/kg dry
6080128-05	SB-5	Chrysene	8270D	1.3 J	mg/kg dry
6080128-05	SB-5	Dibenzofuran	8270D	0.82 J	mg/kg dry
6080128-05	SB-5	Fluoranthene	8270D	1.2 J	mg/kg dry
6080128-05	SB-5	Naphthalene	8270D	1.7 J	mg/kg dry
6080128-05	SB-5	Phenanthrene	8270D	2.7	mg/kg dry
6080128-05	SB-5	Pyrene	8270D	1.4 J	mg/kg dry
6080128-05	SB-5	Mercury	*7471B	0.12	mg/kg dry
6080128-05	SB-5	Arsenic	*6010D	24	mg/kg dry
6080128-05	SB-5	Barium	*6010D	74	mg/kg dry
6080128-05	SB-5	Chromium	*6010D	3.6	mg/kg dry
6080128-05	SB-5	Lead	*6010D	19	mg/kg dry
6080128-05	SB-5	Selenium	*6010D	2.0	mg/kg dry
6080128-05	SB-5	1,2,3-Trichlorobenzene	8260B	0.0044 J	mg/kg dry
6080128-05	SB-5	1,2,4-Trichlorobenzene	8260B	0.0046 J	mg/kg dry
6080128-05	SB-5	Methylene Chloride	8260B	0.039	mg/kg dry
6080128-05	SB-5	Naphthalene	8260B	0.0055 J	mg/kg dry
6080128-06	SB-6	Phenanthrene	8270D	0.62 J	mg/kg dry
6080128-06	SB-6	Pyrene	8270D	0.55 J	mg/kg dry
6080128-06	SB-6	Mercury	*7471B	0.025	mg/kg dry
6080128-06	SB-6	Arsenic	*6010D	10	mg/kg dry
6080128-06	SB-6	Barium	*6010D	240	mg/kg dry
6080128-06	SB-6	Chromium	*6010D	7.8	mg/kg dry
6080128-06	SB-6	Lead	*6010D	15	mg/kg dry
6080128-06	SB-6	Selenium	*6010D	0.83	mg/kg dry
6080128-06	SB-6	Acetone	8260B	0.035 J	mg/kg dry
6080128-07	Duplicate	1-Methylnaphthalene	8270D	3.6 J	mg/kg dry
6080128-07	Duplicate	2-Methylnaphthalene	8270D	4.3 J	mg/kg dry
6080128-07	Duplicate	Acenaphthylene	8270D	1.6 J	mg/kg dry
6080128-07	Duplicate	Benzo(a)anthracene	8270D	2.0 J	mg/kg dry
6080128-07	Duplicate	Benzo(b)fluoranthene	8270D	2.2 J	mg/kg dry
6080128-07	Duplicate	Chrysene	8270D	3.7 J	mg/kg dry
6080128-07	Duplicate	Fluoranthene	8270D	3.5 J	mg/kg dry
6080128-07	Duplicate	Naphthalene	8270D	6.1 J	mg/kg dry
6080128-07	Duplicate	Phenanthrene	8270D	6.6	mg/kg dry
6080128-07	Duplicate	Pyrene	8270D	4.3 J	mg/kg dry
6080128-07	Duplicate	Mercury	*7471B	0.14	mg/kg dry

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Prism ID	Client ID	Parameter	Method	Result	Units
6080128-07	Duplicate	Arsenic	*6010D	20	mg/kg dry
6080128-07	Duplicate	Barium	*6010D	83	mg/kg dry
6080128-07	Duplicate	Chromium	*6010D	4.0	mg/kg dry
6080128-07	Duplicate	Lead	*6010D	16	mg/kg dry
6080128-07	Duplicate	Selenium	*6010D	2.2	mg/kg dry
6080128-07	Duplicate	Methylene Chloride	8260B	0.027	mg/kg dry
6080128-07	Duplicate	Naphthalene	8260B	0.0043 J	mg/kg dry



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-1
Prism Sample ID: 6080128-01
Prism Work Order: 6080128
Time Collected: 08/03/16 14:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	80.0	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.41	0.064	1	8270D	8/10/16 16:46	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	0.41	0.062	1	8270D	8/10/16 16:46	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	0.41	0.060	1	8270D	8/10/16 16:46	JMV	P6H0147
1-Methylnaphthalene	0.17 J	mg/kg dry	0.41	0.079	1	8270D	8/10/16 16:46	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.41	0.077	1	8270D	8/10/16 16:46	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	0.41	0.079	1	8270D	8/10/16 16:46	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	0.41	0.063	1	8270D	8/10/16 16:46	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	0.41	0.057	1	8270D	8/10/16 16:46	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	0.41	0.050	1	8270D	8/10/16 16:46	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	0.41	0.055	1	8270D	8/10/16 16:46	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	0.41	0.059	1	8270D	8/10/16 16:46	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
2-Methylnaphthalene	0.21 J	mg/kg dry	0.41	0.066	1	8270D	8/10/16 16:46	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	0.41	0.053	1	8270D	8/10/16 16:46	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	0.41	0.075	1	8270D	8/10/16 16:46	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.41	0.081	1	8270D	8/10/16 16:46	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	0.41	0.051	1	8270D	8/10/16 16:46	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.41	0.062	1	8270D	8/10/16 16:46	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.41	0.071	1	8270D	8/10/16 16:46	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	0.41	0.049	1	8270D	8/10/16 16:46	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.41	0.053	1	8270D	8/10/16 16:46	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	0.41	0.063	1	8270D	8/10/16 16:46	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	0.41	0.056	1	8270D	8/10/16 16:46	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	0.41	0.059	1	8270D	8/10/16 16:46	JMV	P6H0147
Anthracene	BRL	mg/kg dry	0.41	0.066	1	8270D	8/10/16 16:46	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzo(a)anthracene	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzo(a)pyrene	BRL	mg/kg dry	0.41	0.044	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzo(b)fluoranthene	0.14 J	mg/kg dry	0.41	0.048	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.41	0.045	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	0.41	0.035	1	8270D	8/10/16 16:46	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.41	0.071	1	8270D	8/10/16 16:46	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.41	0.070	1	8270D	8/10/16 16:46	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.41	0.061	1	8270D	8/10/16 16:46	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-1
Prism Sample ID: 6080128-01
Prism Work Order: 6080128
Time Collected: 08/03/16 14:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
Chrysene	0.35 J	mg/kg dry	0.41	0.052	1	8270D	8/10/16 16:46	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.41	0.050	1	8270D	8/10/16 16:46	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	0.41	0.062	1	8270D	8/10/16 16:46	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	0.41	0.057	1	8270D	8/10/16 16:46	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	0.41	0.050	1	8270D	8/10/16 16:46	JMV	P6H0147
Fluoranthene	BRL	mg/kg dry	0.41	0.052	1	8270D	8/10/16 16:46	JMV	P6H0147
Fluorene	BRL	mg/kg dry	0.41	0.059	1	8270D	8/10/16 16:46	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	0.41	0.065	1	8270D	8/10/16 16:46	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	0.41	0.074	1	8270D	8/10/16 16:46	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.41	0.073	1	8270D	8/10/16 16:46	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	0.41	0.069	1	8270D	8/10/16 16:46	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.41	0.047	1	8270D	8/10/16 16:46	JMV	P6H0147
Isophorone	BRL	mg/kg dry	0.41	0.056	1	8270D	8/10/16 16:46	JMV	P6H0147
Naphthalene	0.16 J	mg/kg dry	0.41	0.066	1	8270D	8/10/16 16:46	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	0.41	0.058	1	8270D	8/10/16 16:46	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.41	0.065	1	8270D	8/10/16 16:46	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.41	0.062	1	8270D	8/10/16 16:46	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	0.41	0.049	1	8270D	8/10/16 16:46	JMV	P6H0147
Phenanthrene	0.39 J	mg/kg dry	0.41	0.053	1	8270D	8/10/16 16:46	JMV	P6H0147
Phenol	BRL	mg/kg dry	0.41	0.061	1	8270D	8/10/16 16:46	JMV	P6H0147
Pyrene	BRL	mg/kg dry	0.41	0.054	1	8270D	8/10/16 16:46	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	72 %	39-132
2-Fluorobiphenyl	71 %	44-115
2-Fluorophenol	58 %	35-115
Nitrobenzene-d5	63 %	37-122
Phenol-d5	62 %	34-121
Terphenyl-d14	75 %	54-127

Total Metals

Mercury	BRL	mg/kg dry	0.024	0.0013	1	*7471B	8/11/16 8:28	JAB	P6H0163
Arsenic	4.9	mg/kg dry	0.32	0.039	1	*6010D	8/9/16 20:08	bgm	P6H0159
Barium	130	mg/kg dry	0.63	0.093	1	*6010D	8/9/16 20:08	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.32	0.0085	1	*6010D	8/9/16 20:08	bgm	P6H0159
Chromium	3.7	mg/kg dry	0.32	0.053	1	*6010D	8/9/16 20:08	bgm	P6H0159
Lead	5.4	mg/kg dry	0.32	0.059	1	*6010D	8/9/16 20:08	bgm	P6H0159
Selenium	0.96	mg/kg dry	0.63	0.15	1	*6010D	8/9/16 20:08	bgm	P6H0159
Silver	BRL	mg/kg dry	0.32	0.0079	1	*6010D	8/9/16 20:08	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0090	0.00074	1	8260B	8/9/16 17:14	ANG	P6H0156
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-1
Prism Sample ID: 6080128-01
Prism Work Order: 6080128
Time Collected: 08/03/16 14:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0090	0.00061	1	8260B	8/9/16 17:14	ANG	P6H0156
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0090	0.00080	1	8260B	8/9/16 17:14	ANG	P6H0156
1,1-Dichloroethane	BRL	mg/kg dry	0.0090	0.00025	1	8260B	8/9/16 17:14	ANG	P6H0156
1,1-Dichloroethylene	BRL	mg/kg dry	0.0090	0.00040	1	8260B	8/9/16 17:14	ANG	P6H0156
1,1-Dichloropropylene	BRL	mg/kg dry	0.0090	0.00049	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0090	0.00051	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0090	0.0011	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0090	0.00067	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0090	0.00069	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2-Dibromoethane	BRL	mg/kg dry	0.0090	0.00036	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0090	0.00042	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2-Dichloroethane	BRL	mg/kg dry	0.0090	0.00054	1	8260B	8/9/16 17:14	ANG	P6H0156
1,2-Dichloropropane	BRL	mg/kg dry	0.0090	0.00056	1	8260B	8/9/16 17:14	ANG	P6H0156
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0090	0.00068	1	8260B	8/9/16 17:14	ANG	P6H0156
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0090	0.00059	1	8260B	8/9/16 17:14	ANG	P6H0156
1,3-Dichloropropane	BRL	mg/kg dry	0.0090	0.00045	1	8260B	8/9/16 17:14	ANG	P6H0156
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0090	0.00035	1	8260B	8/9/16 17:14	ANG	P6H0156
2,2-Dichloropropane	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
2-Chlorotoluene	BRL	mg/kg dry	0.0090	0.00046	1	8260B	8/9/16 17:14	ANG	P6H0156
4-Chlorotoluene	BRL	mg/kg dry	0.0090	0.00054	1	8260B	8/9/16 17:14	ANG	P6H0156
4-Isopropyltoluene	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
Acetone	BRL	mg/kg dry	0.090	0.0022	1	8260B	8/9/16 17:14	ANG	P6H0156
Benzene	BRL	mg/kg dry	0.0054	0.00052	1	8260B	8/9/16 17:14	ANG	P6H0156
Bromobenzene	BRL	mg/kg dry	0.0090	0.00075	1	8260B	8/9/16 17:14	ANG	P6H0156
Bromochloromethane	BRL	mg/kg dry	0.0090	0.00049	1	8260B	8/9/16 17:14	ANG	P6H0156
Bromodichloromethane	BRL	mg/kg dry	0.0090	0.00050	1	8260B	8/9/16 17:14	ANG	P6H0156
Bromoform	BRL	mg/kg dry	0.0090	0.0010	1	8260B	8/9/16 17:14	ANG	P6H0156
Bromomethane	BRL	mg/kg dry	0.018	0.0011	1	8260B	8/9/16 17:14	ANG	P6H0156
Carbon Tetrachloride	BRL	mg/kg dry	0.0090	0.00045	1	8260B	8/9/16 17:14	ANG	P6H0156
Chlorobenzene	BRL	mg/kg dry	0.0090	0.00048	1	8260B	8/9/16 17:14	ANG	P6H0156
Chloroethane	BRL	mg/kg dry	0.018	0.00075	1	8260B	8/9/16 17:14	ANG	P6H0156
Chloroform	BRL	mg/kg dry	0.0090	0.00065	1	8260B	8/9/16 17:14	ANG	P6H0156
Chloromethane	BRL	mg/kg dry	0.0090	0.00060	1	8260B	8/9/16 17:14	ANG	P6H0156
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0090	0.00038	1	8260B	8/9/16 17:14	ANG	P6H0156
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0090	0.00030	1	8260B	8/9/16 17:14	ANG	P6H0156
Dibromochloromethane	BRL	mg/kg dry	0.0090	0.00037	1	8260B	8/9/16 17:14	ANG	P6H0156
Dichlorodifluoromethane	BRL	mg/kg dry	0.0090	0.00041	1	8260B	8/9/16 17:14	ANG	P6H0156
Ethylbenzene	BRL	mg/kg dry	0.0090	0.00034	1	8260B	8/9/16 17:14	ANG	P6H0156
Isopropyl Ether	BRL	mg/kg dry	0.0090	0.00037	1	8260B	8/9/16 17:14	ANG	P6H0156
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0090	0.00053	1	8260B	8/9/16 17:14	ANG	P6H0156
m,p-Xylenes	BRL	mg/kg dry	0.018	0.00083	1	8260B	8/9/16 17:14	ANG	P6H0156
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.090	0.00081	1	8260B	8/9/16 17:14	ANG	P6H0156

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-1
Prism Sample ID: 6080128-01
Prism Work Order: 6080128
Time Collected: 08/03/16 14:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.18	0.00081	1	8260B	8/9/16 17:14	ANG	P6H0156
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.090	0.00076	1	8260B	8/9/16 17:14	ANG	P6H0156
Methylene Chloride	BRL	mg/kg dry	0.0090	0.00050	1	8260B	8/9/16 17:14	ANG	P6H0156
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.018	0.00029	1	8260B	8/9/16 17:14	ANG	P6H0156
Naphthalene	BRL	mg/kg dry	0.018	0.00028	1	8260B	8/9/16 17:14	ANG	P6H0156
n-Butylbenzene	BRL	mg/kg dry	0.0090	0.00046	1	8260B	8/9/16 17:14	ANG	P6H0156
n-Propylbenzene	BRL	mg/kg dry	0.0090	0.00053	1	8260B	8/9/16 17:14	ANG	P6H0156
o-Xylene	BRL	mg/kg dry	0.0090	0.00037	1	8260B	8/9/16 17:14	ANG	P6H0156
sec-Butylbenzene	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
Styrene	BRL	mg/kg dry	0.0090	0.00054	1	8260B	8/9/16 17:14	ANG	P6H0156
tert-Butylbenzene	BRL	mg/kg dry	0.0090	0.00030	1	8260B	8/9/16 17:14	ANG	P6H0156
Tetrachloroethylene	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
Toluene	BRL	mg/kg dry	0.0090	0.00052	1	8260B	8/9/16 17:14	ANG	P6H0156
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0090	0.00054	1	8260B	8/9/16 17:14	ANG	P6H0156
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0090	0.00047	1	8260B	8/9/16 17:14	ANG	P6H0156
Trichloroethylene	BRL	mg/kg dry	0.0090	0.00058	1	8260B	8/9/16 17:14	ANG	P6H0156
Trichlorofluoromethane	BRL	mg/kg dry	0.0090	0.00058	1	8260B	8/9/16 17:14	ANG	P6H0156
Vinyl acetate	BRL	mg/kg dry	0.045	0.0012	1	8260B	8/9/16 17:14	ANG	P6H0156
Vinyl chloride	BRL	mg/kg dry	0.0090	0.00043	1	8260B	8/9/16 17:14	ANG	P6H0156
Xylenes, total	BRL	mg/kg dry	0.027	0.0017	1	8260B	8/9/16 17:14	ANG	P6H0156
Surrogate						Recovery		Control Limits	
4-Bromofluorobenzene						119 %		70-130	
Dibromofluoromethane						103 %		84-123	
Toluene-d8						96 %		76-129	



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-2
Prism Sample ID: 6080128-02
Prism Work Order: 6080128
Time Collected: 08/03/16 14:55
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	77.6	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
Semivolatile Organic Compounds by GC/MS									
RL									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 18:17	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 18:17	JMV	P6H0147
1-Methylnaphthalene	0.68 J	mg/kg dry	2.1	0.41	1	8270D	8/10/16 18:17	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	2.1	0.39	1	8270D	8/10/16 18:17	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	2.1	0.41	1	8270D	8/10/16 18:17	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	2.1	0.29	1	8270D	8/10/16 18:17	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 18:17	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
2-Methylnaphthalene	0.73 J	mg/kg dry	2.1	0.34	1	8270D	8/10/16 18:17	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 18:17	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	2.1	0.38	1	8270D	8/10/16 18:17	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	2.1	0.42	1	8270D	8/10/16 18:17	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 18:17	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	2.1	0.36	1	8270D	8/10/16 18:17	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	2.1	0.25	1	8270D	8/10/16 18:17	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 18:17	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	2.1	0.29	1	8270D	8/10/16 18:17	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
Anthracene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 18:17	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzo(a)anthracene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzo(a)pyrene	BRL	mg/kg dry	2.1	0.23	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzo(b)fluoranthene	BRL	mg/kg dry	2.1	0.24	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	2.1	0.23	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	2.1	0.18	1	8270D	8/10/16 18:17	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	2.1	0.37	1	8270D	8/10/16 18:17	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	2.1	0.36	1	8270D	8/10/16 18:17	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 18:17	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-2
Prism Sample ID: 6080128-02
Prism Work Order: 6080128
Time Collected: 08/03/16 14:55
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
Chrysene	0.66 J	mg/kg dry	2.1	0.27	1	8270D	8/10/16 18:17	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 18:17	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	2.1	0.29	1	8270D	8/10/16 18:17	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 18:17	JMV	P6H0147
Fluoranthene	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 18:17	JMV	P6H0147
Fluorene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 18:17	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	2.1	0.38	1	8270D	8/10/16 18:17	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	2.1	0.38	1	8270D	8/10/16 18:17	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	2.1	0.35	1	8270D	8/10/16 18:17	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	2.1	0.24	1	8270D	8/10/16 18:17	JMV	P6H0147
Isophorone	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147
Naphthalene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 18:17	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 18:17	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 18:17	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 18:17	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	2.1	0.25	1	8270D	8/10/16 18:17	JMV	P6H0147
Phenanthrene	0.91 J	mg/kg dry	2.1	0.27	1	8270D	8/10/16 18:17	JMV	P6H0147
Phenol	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 18:17	JMV	P6H0147
Pyrene	0.54 J	mg/kg dry	2.1	0.28	1	8270D	8/10/16 18:17	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	48 %	39-132
2-Fluorobiphenyl	85 %	44-115
2-Fluorophenol	75 %	35-115
Nitrobenzene-d5	73 %	37-122
Phenol-d5	82 %	34-121
Terphenyl-d14	81 %	54-127

Total Metals

Mercury	0.23	mg/kg dry	0.025	0.0014	1	*7471B	8/11/16 8:14	JAB	P6H0163
Arsenic	7.3	mg/kg dry	0.33	0.040	1	*6010D	8/9/16 20:32	bgm	P6H0159
Barium	27	mg/kg dry	0.65	0.095	1	*6010D	8/9/16 20:32	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.33	0.0088	1	*6010D	8/9/16 20:32	bgm	P6H0159
Chromium	3.3	mg/kg dry	0.33	0.055	1	*6010D	8/9/16 20:32	bgm	P6H0159
Lead	4.8	mg/kg dry	0.33	0.061	1	*6010D	8/9/16 20:32	bgm	P6H0159
Selenium	1.4	mg/kg dry	0.65	0.16	1	*6010D	8/9/16 20:32	bgm	P6H0159
Silver	BRL	mg/kg dry	0.33	0.0081	1	*6010D	8/9/16 20:32	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.010	0.00085	1	8260B	8/9/16 17:42	ANG	P6H0156
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-2
Prism Sample ID: 6080128-02
Prism Work Order: 6080128
Time Collected: 08/03/16 14:55
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.010	0.00050	1	8260B	8/9/16 17:42	ANG	P6H0156
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.010	0.00070	1	8260B	8/9/16 17:42	ANG	P6H0156
1,1,2-Trichloroethane	BRL	mg/kg dry	0.010	0.00092	1	8260B	8/9/16 17:42	ANG	P6H0156
1,1-Dichloroethane	BRL	mg/kg dry	0.010	0.00029	1	8260B	8/9/16 17:42	ANG	P6H0156
1,1-Dichloroethylene	BRL	mg/kg dry	0.010	0.00046	1	8260B	8/9/16 17:42	ANG	P6H0156
1,1-Dichloropropylene	BRL	mg/kg dry	0.010	0.00057	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.010	0.00059	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2,3-Trichloropropane	BRL	mg/kg dry	0.010	0.0013	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.010	0.00077	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.010	0.00079	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2-Dibromoethane	BRL	mg/kg dry	0.010	0.00042	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00049	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2-Dichloroethane	BRL	mg/kg dry	0.010	0.00062	1	8260B	8/9/16 17:42	ANG	P6H0156
1,2-Dichloropropane	BRL	mg/kg dry	0.010	0.00064	1	8260B	8/9/16 17:42	ANG	P6H0156
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.010	0.00079	1	8260B	8/9/16 17:42	ANG	P6H0156
1,3-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00069	1	8260B	8/9/16 17:42	ANG	P6H0156
1,3-Dichloropropane	BRL	mg/kg dry	0.010	0.00052	1	8260B	8/9/16 17:42	ANG	P6H0156
1,4-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00041	1	8260B	8/9/16 17:42	ANG	P6H0156
2,2-Dichloropropane	BRL	mg/kg dry	0.010	0.00049	1	8260B	8/9/16 17:42	ANG	P6H0156
2-Chlorotoluene	BRL	mg/kg dry	0.010	0.00054	1	8260B	8/9/16 17:42	ANG	P6H0156
4-Chlorotoluene	BRL	mg/kg dry	0.010	0.00062	1	8260B	8/9/16 17:42	ANG	P6H0156
4-Isopropyltoluene	BRL	mg/kg dry	0.010	0.00050	1	8260B	8/9/16 17:42	ANG	P6H0156
Acetone	0.039 J	mg/kg dry	0.10	0.0025	1	8260B	8/9/16 17:42	ANG	P6H0156
Benzene	BRL	mg/kg dry	0.0062	0.00060	1	8260B	8/9/16 17:42	ANG	P6H0156
Bromobenzene	BRL	mg/kg dry	0.010	0.00087	1	8260B	8/9/16 17:42	ANG	P6H0156
Bromochloromethane	BRL	mg/kg dry	0.010	0.00057	1	8260B	8/9/16 17:42	ANG	P6H0156
Bromodichloromethane	BRL	mg/kg dry	0.010	0.00058	1	8260B	8/9/16 17:42	ANG	P6H0156
Bromoform	BRL	mg/kg dry	0.010	0.0012	1	8260B	8/9/16 17:42	ANG	P6H0156
Bromomethane	BRL	mg/kg dry	0.021	0.0013	1	8260B	8/9/16 17:42	ANG	P6H0156
Carbon Tetrachloride	BRL	mg/kg dry	0.010	0.00052	1	8260B	8/9/16 17:42	ANG	P6H0156
Chlorobenzene	BRL	mg/kg dry	0.010	0.00055	1	8260B	8/9/16 17:42	ANG	P6H0156
Chloroethane	BRL	mg/kg dry	0.021	0.00087	1	8260B	8/9/16 17:42	ANG	P6H0156
Chloroform	BRL	mg/kg dry	0.010	0.00075	1	8260B	8/9/16 17:42	ANG	P6H0156
Chloromethane	BRL	mg/kg dry	0.010	0.00070	1	8260B	8/9/16 17:42	ANG	P6H0156
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.010	0.00044	1	8260B	8/9/16 17:42	ANG	P6H0156
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.010	0.00035	1	8260B	8/9/16 17:42	ANG	P6H0156
Dibromochloromethane	BRL	mg/kg dry	0.010	0.00043	1	8260B	8/9/16 17:42	ANG	P6H0156
Dichlorodifluoromethane	BRL	mg/kg dry	0.010	0.00047	1	8260B	8/9/16 17:42	ANG	P6H0156
Ethylbenzene	BRL	mg/kg dry	0.010	0.00040	1	8260B	8/9/16 17:42	ANG	P6H0156
Isopropyl Ether	BRL	mg/kg dry	0.010	0.00042	1	8260B	8/9/16 17:42	ANG	P6H0156
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.010	0.00062	1	8260B	8/9/16 17:42	ANG	P6H0156
m,p-Xylenes	BRL	mg/kg dry	0.021	0.00096	1	8260B	8/9/16 17:42	ANG	P6H0156
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.10	0.00094	1	8260B	8/9/16 17:42	ANG	P6H0156

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-2
Prism Sample ID: 6080128-02
Prism Work Order: 6080128
Time Collected: 08/03/16 14:55
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.21	0.00094	1	8260B	8/9/16 17:42	ANG	P6H0156
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.10	0.00089	1	8260B	8/9/16 17:42	ANG	P6H0156
Methylene Chloride	BRL	mg/kg dry	0.010	0.00058	1	8260B	8/9/16 17:42	ANG	P6H0156
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.021	0.00033	1	8260B	8/9/16 17:42	ANG	P6H0156
Naphthalene	BRL	mg/kg dry	0.021	0.00033	1	8260B	8/9/16 17:42	ANG	P6H0156
n-Butylbenzene	BRL	mg/kg dry	0.010	0.00053	1	8260B	8/9/16 17:42	ANG	P6H0156
n-Propylbenzene	BRL	mg/kg dry	0.010	0.00062	1	8260B	8/9/16 17:42	ANG	P6H0156
o-Xylene	BRL	mg/kg dry	0.010	0.00043	1	8260B	8/9/16 17:42	ANG	P6H0156
sec-Butylbenzene	BRL	mg/kg dry	0.010	0.00050	1	8260B	8/9/16 17:42	ANG	P6H0156
Styrene	BRL	mg/kg dry	0.010	0.00063	1	8260B	8/9/16 17:42	ANG	P6H0156
tert-Butylbenzene	BRL	mg/kg dry	0.010	0.00035	1	8260B	8/9/16 17:42	ANG	P6H0156
Tetrachloroethylene	BRL	mg/kg dry	0.010	0.00049	1	8260B	8/9/16 17:42	ANG	P6H0156
Toluene	BRL	mg/kg dry	0.010	0.00060	1	8260B	8/9/16 17:42	ANG	P6H0156
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.010	0.00062	1	8260B	8/9/16 17:42	ANG	P6H0156
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.010	0.00055	1	8260B	8/9/16 17:42	ANG	P6H0156
Trichloroethylene	BRL	mg/kg dry	0.010	0.00067	1	8260B	8/9/16 17:42	ANG	P6H0156
Trichlorofluoromethane	BRL	mg/kg dry	0.010	0.00067	1	8260B	8/9/16 17:42	ANG	P6H0156
Vinyl acetate	BRL	mg/kg dry	0.052	0.0014	1	8260B	8/9/16 17:42	ANG	P6H0156
Vinyl chloride	BRL	mg/kg dry	0.010	0.00050	1	8260B	8/9/16 17:42	ANG	P6H0156
Xylenes, total	BRL	mg/kg dry	0.031	0.0019	1	8260B	8/9/16 17:42	ANG	P6H0156
Surrogate						Recovery	Control Limits		
4-Bromofluorobenzene						103 %	70-130		
Dibromofluoromethane						106 %	84-123		
Toluene-d8						90 %	76-129		

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-3
Prism Sample ID: 6080128-03
Prism Work Order: 6080128
Time Collected: 08/03/16 15:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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General Chemistry Parameters

% Solids	75.8	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
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Semivolatile Organic Compounds by GC/MS

RL

1,2,4-Trichlorobenzene	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 17:54	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 17:54	JMV	P6H0147
1-Methylnaphthalene	BRL	mg/kg dry	2.1	0.41	1	8270D	8/10/16 17:54	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	2.1	0.40	1	8270D	8/10/16 17:54	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	2.1	0.41	1	8270D	8/10/16 17:54	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 17:54	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 17:54	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 17:54	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
2-Methylnaphthalene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 17:54	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 17:54	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	2.1	0.39	1	8270D	8/10/16 17:54	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	2.1	0.42	1	8270D	8/10/16 17:54	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 17:54	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	2.1	0.37	1	8270D	8/10/16 17:54	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 17:54	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	2.1	0.33	1	8270D	8/10/16 17:54	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	2.1	0.29	1	8270D	8/10/16 17:54	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 17:54	JMV	P6H0147
Anthracene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 17:54	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzo(a)anthracene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzo(a)pyrene	BRL	mg/kg dry	2.1	0.23	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzo(b)fluoranthene	BRL	mg/kg dry	2.1	0.25	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	2.1	0.23	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	2.1	0.18	1	8270D	8/10/16 17:54	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	2.1	0.37	1	8270D	8/10/16 17:54	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	2.1	0.36	1	8270D	8/10/16 17:54	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-3
Prism Sample ID: 6080128-03
Prism Work Order: 6080128
Time Collected: 08/03/16 15:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
Chrysene	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 17:54	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 17:54	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	2.1	0.29	1	8270D	8/10/16 17:54	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	2.1	0.26	1	8270D	8/10/16 17:54	JMV	P6H0147
Fluoranthene	BRL	mg/kg dry	2.1	0.27	1	8270D	8/10/16 17:54	JMV	P6H0147
Fluorene	BRL	mg/kg dry	2.1	0.31	1	8270D	8/10/16 17:54	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 17:54	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	2.1	0.38	1	8270D	8/10/16 17:54	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	2.1	0.38	1	8270D	8/10/16 17:54	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	2.1	0.36	1	8270D	8/10/16 17:54	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	2.1	0.25	1	8270D	8/10/16 17:54	JMV	P6H0147
Isophorone	BRL	mg/kg dry	2.1	0.29	1	8270D	8/10/16 17:54	JMV	P6H0147
Naphthalene	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 17:54	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	2.1	0.30	1	8270D	8/10/16 17:54	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	2.1	0.34	1	8270D	8/10/16 17:54	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	2.1	0.25	1	8270D	8/10/16 17:54	JMV	P6H0147
Phenanthrene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147
Phenol	BRL	mg/kg dry	2.1	0.32	1	8270D	8/10/16 17:54	JMV	P6H0147
Pyrene	BRL	mg/kg dry	2.1	0.28	1	8270D	8/10/16 17:54	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	82 %	39-132
2-Fluorobiphenyl	82 %	44-115
2-Fluorophenol	76 %	35-115
Nitrobenzene-d5	66 %	37-122
Phenol-d5	82 %	34-121
Terphenyl-d14	88 %	54-127

Total Metals

Mercury	BRL	mg/kg dry	0.028	0.0016	1	*7471B	8/11/16 8:32	JAB	P6H0163
Arsenic	4.3	mg/kg dry	0.33	0.041	1	*6010D	8/9/16 20:40	bgm	P6H0159
Barium	48	mg/kg dry	0.67	0.098	1	*6010D	8/9/16 20:40	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.33	0.0090	1	*6010D	8/9/16 20:40	bgm	P6H0159
Chromium	8.4	mg/kg dry	0.33	0.056	1	*6010D	8/9/16 20:40	bgm	P6H0159
Lead	11	mg/kg dry	0.33	0.062	1	*6010D	8/9/16 20:40	bgm	P6H0159
Selenium	1.2	mg/kg dry	0.67	0.16	1	*6010D	8/9/16 20:40	bgm	P6H0159
Silver	BRL	mg/kg dry	0.33	0.0083	1	*6010D	8/9/16 20:40	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0052	0.00042	1	8260B	8/10/16 23:20	ANG	P6H0188
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-3
Prism Sample ID: 6080128-03
Prism Work Order: 6080128
Time Collected: 08/03/16 15:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0052	0.00035	1	8260B	8/10/16 23:20	ANG	P6H0188
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0052	0.00046	1	8260B	8/10/16 23:20	ANG	P6H0188
1,1-Dichloroethane	BRL	mg/kg dry	0.0052	0.00014	1	8260B	8/10/16 23:20	ANG	P6H0188
1,1-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00023	1	8260B	8/10/16 23:20	ANG	P6H0188
1,1-Dichloropropylene	BRL	mg/kg dry	0.0052	0.00028	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0052	0.00029	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0052	0.00066	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0052	0.00038	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0052	0.00039	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2-Dibromoethane	BRL	mg/kg dry	0.0052	0.00021	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0052	0.00024	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2-Dichloroethane	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
1,2-Dichloropropane	BRL	mg/kg dry	0.0052	0.00032	1	8260B	8/10/16 23:20	ANG	P6H0188
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0052	0.00039	1	8260B	8/10/16 23:20	ANG	P6H0188
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0052	0.00034	1	8260B	8/10/16 23:20	ANG	P6H0188
1,3-Dichloropropane	BRL	mg/kg dry	0.0052	0.00026	1	8260B	8/10/16 23:20	ANG	P6H0188
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0052	0.00020	1	8260B	8/10/16 23:20	ANG	P6H0188
2,2-Dichloropropane	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
2-Chlorotoluene	BRL	mg/kg dry	0.0052	0.00027	1	8260B	8/10/16 23:20	ANG	P6H0188
4-Chlorotoluene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
4-Isopropyltoluene	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
Acetone	0.044 J	mg/kg dry	0.052	0.0013	1	8260B	8/10/16 23:20	ANG	P6H0188
Benzene	BRL	mg/kg dry	0.0031	0.00030	1	8260B	8/10/16 23:20	ANG	P6H0188
Bromobenzene	BRL	mg/kg dry	0.0052	0.00043	1	8260B	8/10/16 23:20	ANG	P6H0188
Bromochloromethane	BRL	mg/kg dry	0.0052	0.00028	1	8260B	8/10/16 23:20	ANG	P6H0188
Bromodichloromethane	BRL	mg/kg dry	0.0052	0.00029	1	8260B	8/10/16 23:20	ANG	P6H0188
Bromoform	BRL	mg/kg dry	0.0052	0.00059	1	8260B	8/10/16 23:20	ANG	P6H0188
Bromomethane	BRL	mg/kg dry	0.010	0.00064	1	8260B	8/10/16 23:20	ANG	P6H0188
Carbon Tetrachloride	BRL	mg/kg dry	0.0052	0.00026	1	8260B	8/10/16 23:20	ANG	P6H0188
Chlorobenzene	BRL	mg/kg dry	0.0052	0.00027	1	8260B	8/10/16 23:20	ANG	P6H0188
Chloroethane	BRL	mg/kg dry	0.010	0.00043	1	8260B	8/10/16 23:20	ANG	P6H0188
Chloroform	BRL	mg/kg dry	0.0052	0.00037	1	8260B	8/10/16 23:20	ANG	P6H0188
Chloromethane	BRL	mg/kg dry	0.0052	0.00035	1	8260B	8/10/16 23:20	ANG	P6H0188
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00022	1	8260B	8/10/16 23:20	ANG	P6H0188
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0052	0.00017	1	8260B	8/10/16 23:20	ANG	P6H0188
Dibromochloromethane	BRL	mg/kg dry	0.0052	0.00021	1	8260B	8/10/16 23:20	ANG	P6H0188
Dichlorodifluoromethane	BRL	mg/kg dry	0.0052	0.00023	1	8260B	8/10/16 23:20	ANG	P6H0188
Ethylbenzene	BRL	mg/kg dry	0.0052	0.00020	1	8260B	8/10/16 23:20	ANG	P6H0188
Isopropyl Ether	BRL	mg/kg dry	0.0052	0.00021	1	8260B	8/10/16 23:20	ANG	P6H0188
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
m,p-Xylenes	BRL	mg/kg dry	0.010	0.00048	1	8260B	8/10/16 23:20	ANG	P6H0188
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.052	0.00047	1	8260B	8/10/16 23:20	ANG	P6H0188

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-3
Prism Sample ID: 6080128-03
Prism Work Order: 6080128
Time Collected: 08/03/16 15:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.10	0.00047	1	8260B	8/10/16 23:20	ANG	P6H0188
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.052	0.00044	1	8260B	8/10/16 23:20	ANG	P6H0188
Methylene Chloride	BRL	mg/kg dry	0.0052	0.00029	1	8260B	8/10/16 23:20	ANG	P6H0188
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.010	0.00017	1	8260B	8/10/16 23:20	ANG	P6H0188
Naphthalene	BRL	mg/kg dry	0.010	0.00016	1	8260B	8/10/16 23:20	ANG	P6H0188
n-Butylbenzene	BRL	mg/kg dry	0.0052	0.00026	1	8260B	8/10/16 23:20	ANG	P6H0188
n-Propylbenzene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
o-Xylene	BRL	mg/kg dry	0.0052	0.00021	1	8260B	8/10/16 23:20	ANG	P6H0188
sec-Butylbenzene	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
Styrene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
tert-Butylbenzene	BRL	mg/kg dry	0.0052	0.00017	1	8260B	8/10/16 23:20	ANG	P6H0188
Tetrachloroethylene	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
Toluene	BRL	mg/kg dry	0.0052	0.00030	1	8260B	8/10/16 23:20	ANG	P6H0188
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	8/10/16 23:20	ANG	P6H0188
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0052	0.00027	1	8260B	8/10/16 23:20	ANG	P6H0188
Trichloroethylene	BRL	mg/kg dry	0.0052	0.00033	1	8260B	8/10/16 23:20	ANG	P6H0188
Trichlorofluoromethane	BRL	mg/kg dry	0.0052	0.00033	1	8260B	8/10/16 23:20	ANG	P6H0188
Vinyl acetate	BRL	mg/kg dry	0.026	0.00071	1	8260B	8/10/16 23:20	ANG	P6H0188
Vinyl chloride	BRL	mg/kg dry	0.0052	0.00025	1	8260B	8/10/16 23:20	ANG	P6H0188
Xylenes, total	BRL	mg/kg dry	0.015	0.00097	1	8260B	8/10/16 23:20	ANG	P6H0188
Surrogate						Recovery	Control Limits		
4-Bromofluorobenzene						97 %	70-130		
Dibromofluoromethane						109 %	84-123		
Toluene-d8						89 %	76-129		

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-4
Prism Sample ID: 6080128-04
Prism Work Order: 6080128
Time Collected: 08/03/16 14:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	80.3	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	2.0	0.32	1	8270D	8/10/16 18:39	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 18:39	JMV	P6H0147
1-Methylnaphthalene	0.60 J	mg/kg dry	2.0	0.39	1	8270D	8/10/16 18:39	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	2.0	0.38	1	8270D	8/10/16 18:39	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	2.0	0.39	1	8270D	8/10/16 18:39	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	2.0	0.28	1	8270D	8/10/16 18:39	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 18:39	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
2-Methylnaphthalene	0.72 J	mg/kg dry	2.0	0.33	1	8270D	8/10/16 18:39	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 18:39	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	2.0	0.37	1	8270D	8/10/16 18:39	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	2.0	0.40	1	8270D	8/10/16 18:39	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 18:39	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	2.0	0.35	1	8270D	8/10/16 18:39	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 18:39	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 18:39	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 18:39	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
Anthracene	BRL	mg/kg dry	2.0	0.33	1	8270D	8/10/16 18:39	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzo(a)anthracene	1.6 J	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzo(a)pyrene	1.2 J	mg/kg dry	2.0	0.22	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzo(b)fluoranthene	1.8 J	mg/kg dry	2.0	0.24	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzo(g,h,i)perylene	0.79 J	mg/kg dry	2.0	0.22	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	2.0	0.17	1	8270D	8/10/16 18:39	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	2.0	0.35	1	8270D	8/10/16 18:39	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	2.0	0.35	1	8270D	8/10/16 18:39	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 18:39	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-4
Prism Sample ID: 6080128-04
Prism Work Order: 6080128
Time Collected: 08/03/16 14:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
Chrysene	1.9 J	mg/kg dry	2.0	0.26	1	8270D	8/10/16 18:39	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 18:39	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 18:39	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 18:39	JMV	P6H0147
Fluoranthene	2.5	mg/kg dry	2.0	0.26	1	8270D	8/10/16 18:39	JMV	P6H0147
Fluorene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	2.0	0.32	1	8270D	8/10/16 18:39	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	2.0	0.37	1	8270D	8/10/16 18:39	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	2.0	0.36	1	8270D	8/10/16 18:39	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	2.0	0.34	1	8270D	8/10/16 18:39	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	0.89 J	mg/kg dry	2.0	0.23	1	8270D	8/10/16 18:39	JMV	P6H0147
Isophorone	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 18:39	JMV	P6H0147
Naphthalene	0.52 J	mg/kg dry	2.0	0.33	1	8270D	8/10/16 18:39	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 18:39	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	2.0	0.32	1	8270D	8/10/16 18:39	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 18:39	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	2.0	0.24	1	8270D	8/10/16 18:39	JMV	P6H0147
Phenanthrene	2.1	mg/kg dry	2.0	0.26	1	8270D	8/10/16 18:39	JMV	P6H0147
Phenol	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 18:39	JMV	P6H0147
Pyrene	3.0	mg/kg dry	2.0	0.27	1	8270D	8/10/16 18:39	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	68 %	39-132
2-Fluorobiphenyl	64 %	44-115
2-Fluorophenol	51 %	35-115
Nitrobenzene-d5	49 %	37-122
Phenol-d5	57 %	34-121
Terphenyl-d14	67 %	54-127

Total Metals

Mercury	0.12	mg/kg dry	0.026	0.0014	1	*7471B	8/11/16 8:37	JAB	P6H0163
Arsenic	11	mg/kg dry	0.31	0.038	1	*6010D	8/9/16 20:48	bgm	P6H0159
Barium	87	mg/kg dry	0.62	0.091	1	*6010D	8/9/16 20:48	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.31	0.0083	1	*6010D	8/9/16 20:48	bgm	P6H0159
Chromium	4.3	mg/kg dry	0.31	0.052	1	*6010D	8/9/16 20:48	bgm	P6H0159
Lead	29	mg/kg dry	0.31	0.058	1	*6010D	8/9/16 20:48	bgm	P6H0159
Selenium	1.6	mg/kg dry	0.62	0.15	1	*6010D	8/9/16 20:48	bgm	P6H0159
Silver	BRL	mg/kg dry	0.31	0.0077	1	*6010D	8/9/16 20:48	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.011	0.00088	1	8260B	8/9/16 18:37	ANG	P6H0156
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-4
Prism Sample ID: 6080128-04
Prism Work Order: 6080128
Time Collected: 08/03/16 14:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.011	0.00052	1	8260B	8/9/16 18:37	ANG	P6H0156
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.011	0.00073	1	8260B	8/9/16 18:37	ANG	P6H0156
1,1,2-Trichloroethane	BRL	mg/kg dry	0.011	0.00095	1	8260B	8/9/16 18:37	ANG	P6H0156
1,1-Dichloroethane	BRL	mg/kg dry	0.011	0.00030	1	8260B	8/9/16 18:37	ANG	P6H0156
1,1-Dichloroethylene	BRL	mg/kg dry	0.011	0.00047	1	8260B	8/9/16 18:37	ANG	P6H0156
1,1-Dichloropropylene	BRL	mg/kg dry	0.011	0.00059	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00061	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2,3-Trichloropropane	BRL	mg/kg dry	0.011	0.0014	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00080	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.011	0.00082	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2-Dibromoethane	BRL	mg/kg dry	0.011	0.00043	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00050	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2-Dichloroethane	BRL	mg/kg dry	0.011	0.00064	1	8260B	8/9/16 18:37	ANG	P6H0156
1,2-Dichloropropane	BRL	mg/kg dry	0.011	0.00067	1	8260B	8/9/16 18:37	ANG	P6H0156
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.011	0.00081	1	8260B	8/9/16 18:37	ANG	P6H0156
1,3-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00071	1	8260B	8/9/16 18:37	ANG	P6H0156
1,3-Dichloropropane	BRL	mg/kg dry	0.011	0.00054	1	8260B	8/9/16 18:37	ANG	P6H0156
1,4-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00042	1	8260B	8/9/16 18:37	ANG	P6H0156
2,2-Dichloropropane	BRL	mg/kg dry	0.011	0.00051	1	8260B	8/9/16 18:37	ANG	P6H0156
2-Chlorotoluene	BRL	mg/kg dry	0.011	0.00055	1	8260B	8/9/16 18:37	ANG	P6H0156
4-Chlorotoluene	BRL	mg/kg dry	0.011	0.00064	1	8260B	8/9/16 18:37	ANG	P6H0156
4-Isopropyltoluene	BRL	mg/kg dry	0.011	0.00052	1	8260B	8/9/16 18:37	ANG	P6H0156
Acetone	0.038 J	mg/kg dry	0.11	0.0026	1	8260B	8/9/16 18:37	ANG	P6H0156
Benzene	BRL	mg/kg dry	0.0064	0.00062	1	8260B	8/9/16 18:37	ANG	P6H0156
Bromobenzene	BRL	mg/kg dry	0.011	0.00090	1	8260B	8/9/16 18:37	ANG	P6H0156
Bromochloromethane	BRL	mg/kg dry	0.011	0.00059	1	8260B	8/9/16 18:37	ANG	P6H0156
Bromodichloromethane	BRL	mg/kg dry	0.011	0.00060	1	8260B	8/9/16 18:37	ANG	P6H0156
Bromoform	BRL	mg/kg dry	0.011	0.0012	1	8260B	8/9/16 18:37	ANG	P6H0156
Bromomethane	BRL	mg/kg dry	0.021	0.0013	1	8260B	8/9/16 18:37	ANG	P6H0156
Carbon Tetrachloride	BRL	mg/kg dry	0.011	0.00053	1	8260B	8/9/16 18:37	ANG	P6H0156
Chlorobenzene	BRL	mg/kg dry	0.011	0.00057	1	8260B	8/9/16 18:37	ANG	P6H0156
Chloroethane	BRL	mg/kg dry	0.021	0.00090	1	8260B	8/9/16 18:37	ANG	P6H0156
Chloroform	BRL	mg/kg dry	0.011	0.00078	1	8260B	8/9/16 18:37	ANG	P6H0156
Chloromethane	BRL	mg/kg dry	0.011	0.00072	1	8260B	8/9/16 18:37	ANG	P6H0156
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.011	0.00046	1	8260B	8/9/16 18:37	ANG	P6H0156
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.011	0.00036	1	8260B	8/9/16 18:37	ANG	P6H0156
Dibromochloromethane	BRL	mg/kg dry	0.011	0.00044	1	8260B	8/9/16 18:37	ANG	P6H0156
Dichlorodifluoromethane	BRL	mg/kg dry	0.011	0.00049	1	8260B	8/9/16 18:37	ANG	P6H0156
Ethylbenzene	BRL	mg/kg dry	0.011	0.00041	1	8260B	8/9/16 18:37	ANG	P6H0156
Isopropyl Ether	BRL	mg/kg dry	0.011	0.00044	1	8260B	8/9/16 18:37	ANG	P6H0156
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.011	0.00064	1	8260B	8/9/16 18:37	ANG	P6H0156
m,p-Xylenes	BRL	mg/kg dry	0.021	0.00099	1	8260B	8/9/16 18:37	ANG	P6H0156
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.11	0.00097	1	8260B	8/9/16 18:37	ANG	P6H0156

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-4
Prism Sample ID: 6080128-04
Prism Work Order: 6080128
Time Collected: 08/03/16 14:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.21	0.00097	1	8260B	8/9/16 18:37	ANG	P6H0156
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.11	0.00091	1	8260B	8/9/16 18:37	ANG	P6H0156
Methylene Chloride	BRL	mg/kg dry	0.011	0.00060	1	8260B	8/9/16 18:37	ANG	P6H0156
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.021	0.00034	1	8260B	8/9/16 18:37	ANG	P6H0156
Naphthalene	BRL	mg/kg dry	0.021	0.00034	1	8260B	8/9/16 18:37	ANG	P6H0156
n-Butylbenzene	BRL	mg/kg dry	0.011	0.00055	1	8260B	8/9/16 18:37	ANG	P6H0156
n-Propylbenzene	BRL	mg/kg dry	0.011	0.00064	1	8260B	8/9/16 18:37	ANG	P6H0156
o-Xylene	BRL	mg/kg dry	0.011	0.00044	1	8260B	8/9/16 18:37	ANG	P6H0156
sec-Butylbenzene	BRL	mg/kg dry	0.011	0.00052	1	8260B	8/9/16 18:37	ANG	P6H0156
Styrene	BRL	mg/kg dry	0.011	0.00065	1	8260B	8/9/16 18:37	ANG	P6H0156
tert-Butylbenzene	BRL	mg/kg dry	0.011	0.00036	1	8260B	8/9/16 18:37	ANG	P6H0156
Tetrachloroethylene	BRL	mg/kg dry	0.011	0.00051	1	8260B	8/9/16 18:37	ANG	P6H0156
Toluene	BRL	mg/kg dry	0.011	0.00062	1	8260B	8/9/16 18:37	ANG	P6H0156
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.011	0.00064	1	8260B	8/9/16 18:37	ANG	P6H0156
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.011	0.00056	1	8260B	8/9/16 18:37	ANG	P6H0156
Trichloroethylene	BRL	mg/kg dry	0.011	0.00070	1	8260B	8/9/16 18:37	ANG	P6H0156
Trichlorofluoromethane	BRL	mg/kg dry	0.011	0.00069	1	8260B	8/9/16 18:37	ANG	P6H0156
Vinyl acetate	BRL	mg/kg dry	0.054	0.0015	1	8260B	8/9/16 18:37	ANG	P6H0156
Vinyl chloride	BRL	mg/kg dry	0.011	0.00052	1	8260B	8/9/16 18:37	ANG	P6H0156
Xylenes, total	BRL	mg/kg dry	0.032	0.0020	1	8260B	8/9/16 18:37	ANG	P6H0156
Surrogate						Recovery	Control Limits		
4-Bromofluorobenzene						107 %	70-130		
Dibromofluoromethane						102 %	84-123		
Toluene-d8						92 %	76-129		

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-5
Prism Sample ID: 6080128-05
Prism Work Order: 6080128
Time Collected: 08/03/16 14:40
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	74.0	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	2.2	0.35	1	8270D	8/10/16 19:02	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	2.2	0.34	1	8270D	8/10/16 19:02	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
1-Methylnaphthalene	2.2	mg/kg dry	2.2	0.43	1	8270D	8/10/16 19:02	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	2.2	0.42	1	8270D	8/10/16 19:02	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	2.2	0.43	1	8270D	8/10/16 19:02	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	2.2	0.34	1	8270D	8/10/16 19:02	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	2.2	0.27	1	8270D	8/10/16 19:02	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
2-Methylnaphthalene	2.5	mg/kg dry	2.2	0.35	1	8270D	8/10/16 19:02	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	2.2	0.28	1	8270D	8/10/16 19:02	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	2.2	0.40	1	8270D	8/10/16 19:02	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	2.2	0.44	1	8270D	8/10/16 19:02	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	2.2	0.27	1	8270D	8/10/16 19:02	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	2.2	0.33	1	8270D	8/10/16 19:02	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	2.2	0.38	1	8270D	8/10/16 19:02	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	2.2	0.27	1	8270D	8/10/16 19:02	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	2.2	0.34	1	8270D	8/10/16 19:02	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	2.2	0.30	1	8270D	8/10/16 19:02	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
Anthracene	BRL	mg/kg dry	2.2	0.36	1	8270D	8/10/16 19:02	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzo(a)anthracene	0.81 J	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzo(a)pyrene	0.62 J	mg/kg dry	2.2	0.24	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzo(b)fluoranthene	0.95 J	mg/kg dry	2.2	0.26	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	2.2	0.24	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	2.2	0.19	1	8270D	8/10/16 19:02	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	2.2	0.38	1	8270D	8/10/16 19:02	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	2.2	0.38	1	8270D	8/10/16 19:02	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	2.2	0.33	1	8270D	8/10/16 19:02	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-5
Prism Sample ID: 6080128-05
Prism Work Order: 6080128
Time Collected: 08/03/16 14:40
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
Chrysene	1.3 J	mg/kg dry	2.2	0.28	1	8270D	8/10/16 19:02	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	2.2	0.27	1	8270D	8/10/16 19:02	JMV	P6H0147
Dibenzofuran	0.82 J	mg/kg dry	2.2	0.34	1	8270D	8/10/16 19:02	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	2.2	0.31	1	8270D	8/10/16 19:02	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	2.2	0.27	1	8270D	8/10/16 19:02	JMV	P6H0147
Fluoranthene	1.2 J	mg/kg dry	2.2	0.28	1	8270D	8/10/16 19:02	JMV	P6H0147
Fluorene	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	2.2	0.35	1	8270D	8/10/16 19:02	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	2.2	0.40	1	8270D	8/10/16 19:02	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	2.2	0.40	1	8270D	8/10/16 19:02	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	2.2	0.37	1	8270D	8/10/16 19:02	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	2.2	0.25	1	8270D	8/10/16 19:02	JMV	P6H0147
Isophorone	BRL	mg/kg dry	2.2	0.30	1	8270D	8/10/16 19:02	JMV	P6H0147
Naphthalene	1.7 J	mg/kg dry	2.2	0.36	1	8270D	8/10/16 19:02	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	2.2	0.32	1	8270D	8/10/16 19:02	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	2.2	0.35	1	8270D	8/10/16 19:02	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	2.2	0.34	1	8270D	8/10/16 19:02	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	2.2	0.26	1	8270D	8/10/16 19:02	JMV	P6H0147
Phenanthrene	2.7	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147
Phenol	BRL	mg/kg dry	2.2	0.33	1	8270D	8/10/16 19:02	JMV	P6H0147
Pyrene	1.4 J	mg/kg dry	2.2	0.29	1	8270D	8/10/16 19:02	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	83 %	39-132
2-Fluorobiphenyl	81 %	44-115
2-Fluorophenol	70 %	35-115
Nitrobenzene-d5	65 %	37-122
Phenol-d5	77 %	34-121
Terphenyl-d14	86 %	54-127

Total Metals

Mercury	0.12	mg/kg dry	0.028	0.0015	1	*7471B	8/11/16 8:41	JAB	P6H0163
Arsenic	24	mg/kg dry	0.33	0.041	1	*6010D	8/9/16 20:57	bgm	P6H0159
Barium	74	mg/kg dry	0.67	0.098	1	*6010D	8/9/16 20:57	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.33	0.0090	1	*6010D	8/9/16 20:57	bgm	P6H0159
Chromium	3.6	mg/kg dry	0.33	0.056	1	*6010D	8/9/16 20:57	bgm	P6H0159
Lead	19	mg/kg dry	0.33	0.062	1	*6010D	8/9/16 20:57	bgm	P6H0159
Selenium	2.0	mg/kg dry	0.67	0.16	1	*6010D	8/9/16 20:57	bgm	P6H0159
Silver	BRL	mg/kg dry	0.33	0.0083	1	*6010D	8/9/16 20:57	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0074	0.00061	1	8260B	8/11/16 13:03	ANG	P6H0196
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-5
Prism Sample ID: 6080128-05
Prism Work Order: 6080128
Time Collected: 08/03/16 14:40
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0074	0.00036	1	8260B	8/11/16 13:03	ANG	P6H0196
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0074	0.00050	1	8260B	8/11/16 13:03	ANG	P6H0196
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0074	0.00066	1	8260B	8/11/16 13:03	ANG	P6H0196
1,1-Dichloroethane	BRL	mg/kg dry	0.0074	0.00021	1	8260B	8/11/16 13:03	ANG	P6H0196
1,1-Dichloroethylene	BRL	mg/kg dry	0.0074	0.00033	1	8260B	8/11/16 13:03	ANG	P6H0196
1,1-Dichloropropylene	BRL	mg/kg dry	0.0074	0.00041	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2,3-Trichlorobenzene	0.0044 J	mg/kg dry	0.0074	0.00042	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0074	0.00095	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2,4-Trichlorobenzene	0.0046 J	mg/kg dry	0.0074	0.00055	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0074	0.00057	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2-Dibromoethane	BRL	mg/kg dry	0.0074	0.00030	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0074	0.00035	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2-Dichloroethane	BRL	mg/kg dry	0.0074	0.00044	1	8260B	8/11/16 13:03	ANG	P6H0196
1,2-Dichloropropane	BRL	mg/kg dry	0.0074	0.00046	1	8260B	8/11/16 13:03	ANG	P6H0196
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0074	0.00056	1	8260B	8/11/16 13:03	ANG	P6H0196
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0074	0.00049	1	8260B	8/11/16 13:03	ANG	P6H0196
1,3-Dichloropropane	BRL	mg/kg dry	0.0074	0.00037	1	8260B	8/11/16 13:03	ANG	P6H0196
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0074	0.00029	1	8260B	8/11/16 13:03	ANG	P6H0196
2,2-Dichloropropane	BRL	mg/kg dry	0.0074	0.00035	1	8260B	8/11/16 13:03	ANG	P6H0196
2-Chlorotoluene	BRL	mg/kg dry	0.0074	0.00038	1	8260B	8/11/16 13:03	ANG	P6H0196
4-Chlorotoluene	BRL	mg/kg dry	0.0074	0.00044	1	8260B	8/11/16 13:03	ANG	P6H0196
4-Isopropyltoluene	BRL	mg/kg dry	0.0074	0.00036	1	8260B	8/11/16 13:03	ANG	P6H0196
Acetone	BRL	mg/kg dry	0.074	0.0018	1	8260B	8/11/16 13:03	ANG	P6H0196
Benzene	BRL	mg/kg dry	0.0044	0.00043	1	8260B	8/11/16 13:03	ANG	P6H0196
Bromobenzene	BRL	mg/kg dry	0.0074	0.00062	1	8260B	8/11/16 13:03	ANG	P6H0196
Bromochloromethane	BRL	mg/kg dry	0.0074	0.00041	1	8260B	8/11/16 13:03	ANG	P6H0196
Bromodichloromethane	BRL	mg/kg dry	0.0074	0.00041	1	8260B	8/11/16 13:03	ANG	P6H0196
Bromoform	BRL	mg/kg dry	0.0074	0.00084	1	8260B	8/11/16 13:03	ANG	P6H0196
Bromomethane	BRL	mg/kg dry	0.015	0.00091	1	8260B	8/11/16 13:03	ANG	P6H0196
Carbon Tetrachloride	BRL	mg/kg dry	0.0074	0.00037	1	8260B	8/11/16 13:03	ANG	P6H0196
Chlorobenzene	BRL	mg/kg dry	0.0074	0.00039	1	8260B	8/11/16 13:03	ANG	P6H0196
Chloroethane	BRL	mg/kg dry	0.015	0.00062	1	8260B	8/11/16 13:03	ANG	P6H0196
Chloroform	BRL	mg/kg dry	0.0074	0.00054	1	8260B	8/11/16 13:03	ANG	P6H0196
Chloromethane	BRL	mg/kg dry	0.0074	0.00050	1	8260B	8/11/16 13:03	ANG	P6H0196
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0074	0.00032	1	8260B	8/11/16 13:03	ANG	P6H0196
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0074	0.00025	1	8260B	8/11/16 13:03	ANG	P6H0196
Dibromochloromethane	BRL	mg/kg dry	0.0074	0.00031	1	8260B	8/11/16 13:03	ANG	P6H0196
Dichlorodifluoromethane	BRL	mg/kg dry	0.0074	0.00034	1	8260B	8/11/16 13:03	ANG	P6H0196
Ethylbenzene	BRL	mg/kg dry	0.0074	0.00028	1	8260B	8/11/16 13:03	ANG	P6H0196
Isopropyl Ether	BRL	mg/kg dry	0.0074	0.00030	1	8260B	8/11/16 13:03	ANG	P6H0196
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0074	0.00044	1	8260B	8/11/16 13:03	ANG	P6H0196
m,p-Xylenes	BRL	mg/kg dry	0.015	0.00068	1	8260B	8/11/16 13:03	ANG	P6H0196
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.074	0.00067	1	8260B	8/11/16 13:03	ANG	P6H0196

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-5
Prism Sample ID: 6080128-05
Prism Work Order: 6080128
Time Collected: 08/03/16 14:40
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.15	0.00067	1	8260B	8/11/16 13:03	ANG	P6H0196
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.074	0.00063	1	8260B	8/11/16 13:03	ANG	P6H0196
Methylene Chloride	0.039	mg/kg dry	0.0074	0.00042	1	8260B	8/11/16 13:03	ANG	P6H0196
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.015	0.00024	1	8260B	8/11/16 13:03	ANG	P6H0196
Naphthalene	0.0055 J	mg/kg dry	0.015	0.00023	1	8260B	8/11/16 13:03	ANG	P6H0196
n-Butylbenzene	BRL	mg/kg dry	0.0074	0.00038	1	8260B	8/11/16 13:03	ANG	P6H0196
n-Propylbenzene	BRL	mg/kg dry	0.0074	0.00044	1	8260B	8/11/16 13:03	ANG	P6H0196
o-Xylene	BRL	mg/kg dry	0.0074	0.00030	1	8260B	8/11/16 13:03	ANG	P6H0196
sec-Butylbenzene	BRL	mg/kg dry	0.0074	0.00036	1	8260B	8/11/16 13:03	ANG	P6H0196
Styrene	BRL	mg/kg dry	0.0074	0.00045	1	8260B	8/11/16 13:03	ANG	P6H0196
tert-Butylbenzene	BRL	mg/kg dry	0.0074	0.00025	1	8260B	8/11/16 13:03	ANG	P6H0196
Tetrachloroethylene	BRL	mg/kg dry	0.0074	0.00035	1	8260B	8/11/16 13:03	ANG	P6H0196
Toluene	BRL	mg/kg dry	0.0074	0.00043	1	8260B	8/11/16 13:03	ANG	P6H0196
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0074	0.00044	1	8260B	8/11/16 13:03	ANG	P6H0196
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0074	0.00039	1	8260B	8/11/16 13:03	ANG	P6H0196
Trichloroethylene	BRL	mg/kg dry	0.0074	0.00048	1	8260B	8/11/16 13:03	ANG	P6H0196
Trichlorofluoromethane	BRL	mg/kg dry	0.0074	0.00048	1	8260B	8/11/16 13:03	ANG	P6H0196
Vinyl acetate	BRL	mg/kg dry	0.037	0.0010	1	8260B	8/11/16 13:03	ANG	P6H0196
Vinyl chloride	BRL	mg/kg dry	0.0074	0.00036	1	8260B	8/11/16 13:03	ANG	P6H0196
Xylenes, total	BRL	mg/kg dry	0.022	0.0014	1	8260B	8/11/16 13:03	ANG	P6H0196

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	183 %	70-130 SR
Dibromofluoromethane	131 %	84-123 SR
Toluene-d8	158 %	76-129 SR

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-6
Prism Sample ID: 6080128-06
Prism Work Order: 6080128
Time Collected: 08/03/16 14:50
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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General Chemistry Parameters

% Solids	83.8	% by Weight	0.100	0.100	1	*SM2540 G	8/9/16 16:16	JLB	P6H0172
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Semivolatile Organic Compounds by GC/MS

RL

1,2,4-Trichlorobenzene	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 19:25	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 19:25	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 19:25	JMV	P6H0147
1-Methylnaphthalene	BRL	mg/kg dry	2.0	0.38	1	8270D	8/10/16 19:25	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	2.0	0.37	1	8270D	8/10/16 19:25	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	2.0	0.38	1	8270D	8/10/16 19:25	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 19:25	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	2.0	0.27	1	8270D	8/10/16 19:25	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 19:25	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
2-Methylnaphthalene	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 19:25	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 19:25	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	2.0	0.36	1	8270D	8/10/16 19:25	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	2.0	0.39	1	8270D	8/10/16 19:25	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 19:25	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 19:25	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	2.0	0.34	1	8270D	8/10/16 19:25	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 19:25	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 19:25	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 19:25	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 19:25	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 19:25	JMV	P6H0147
Acenaphthylene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
Anthracene	BRL	mg/kg dry	2.0	0.32	1	8270D	8/10/16 19:25	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzo(a)anthracene	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzo(a)pyrene	BRL	mg/kg dry	2.0	0.21	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzo(b)fluoranthene	BRL	mg/kg dry	2.0	0.23	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	2.0	0.21	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	2.0	0.17	1	8270D	8/10/16 19:25	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	2.0	0.34	1	8270D	8/10/16 19:25	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	2.0	0.33	1	8270D	8/10/16 19:25	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 19:25	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-6
Prism Sample ID: 6080128-06
Prism Work Order: 6080128
Time Collected: 08/03/16 14:50
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
Chrysene	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 19:25	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 19:25	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 19:25	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 19:25	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	2.0	0.24	1	8270D	8/10/16 19:25	JMV	P6H0147
Fluoranthene	BRL	mg/kg dry	2.0	0.25	1	8270D	8/10/16 19:25	JMV	P6H0147
Fluorene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 19:25	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	2.0	0.35	1	8270D	8/10/16 19:25	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	2.0	0.35	1	8270D	8/10/16 19:25	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	2.0	0.33	1	8270D	8/10/16 19:25	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	2.0	0.23	1	8270D	8/10/16 19:25	JMV	P6H0147
Isophorone	BRL	mg/kg dry	2.0	0.27	1	8270D	8/10/16 19:25	JMV	P6H0147
Naphthalene	BRL	mg/kg dry	2.0	0.32	1	8270D	8/10/16 19:25	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	2.0	0.28	1	8270D	8/10/16 19:25	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	2.0	0.31	1	8270D	8/10/16 19:25	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	2.0	0.30	1	8270D	8/10/16 19:25	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	2.0	0.23	1	8270D	8/10/16 19:25	JMV	P6H0147
Phenanthrene	0.62 J	mg/kg dry	2.0	0.25	1	8270D	8/10/16 19:25	JMV	P6H0147
Phenol	BRL	mg/kg dry	2.0	0.29	1	8270D	8/10/16 19:25	JMV	P6H0147
Pyrene	0.55 J	mg/kg dry	2.0	0.26	1	8270D	8/10/16 19:25	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	67 %	39-132
2-Fluorobiphenyl	70 %	44-115
2-Fluorophenol	63 %	35-115
Nitrobenzene-d5	59 %	37-122
Phenol-d5	64 %	34-121
Terphenyl-d14	70 %	54-127

Total Metals

Mercury	0.025	mg/kg dry	0.023	0.0012	1	*7471B	8/11/16 8:46	JAB	P6H0163
Arsenic	10	mg/kg dry	0.30	0.037	1	*6010D	8/9/16 21:05	bgm	P6H0159
Barium	240	mg/kg dry	6.0	0.88	10	*6010D	8/10/16 17:25	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.30	0.0081	1	*6010D	8/9/16 21:05	bgm	P6H0159
Chromium	7.8	mg/kg dry	0.30	0.050	1	*6010D	8/9/16 21:05	bgm	P6H0159
Lead	15	mg/kg dry	0.30	0.056	1	*6010D	8/9/16 21:05	bgm	P6H0159
Selenium	0.83	mg/kg dry	0.60	0.14	1	*6010D	8/9/16 21:05	bgm	P6H0159
Silver	BRL	mg/kg dry	0.30	0.0075	1	*6010D	8/9/16 21:05	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0078	0.00064	1	8260B	8/9/16 19:32	ANG	P6H0156
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-6
Prism Sample ID: 6080128-06
Prism Work Order: 6080128
Time Collected: 08/03/16 14:50
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0078	0.00038	1	8260B	8/9/16 19:32	ANG	P6H0156
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0078	0.00053	1	8260B	8/9/16 19:32	ANG	P6H0156
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0078	0.00069	1	8260B	8/9/16 19:32	ANG	P6H0156
1,1-Dichloroethane	BRL	mg/kg dry	0.0078	0.00022	1	8260B	8/9/16 19:32	ANG	P6H0156
1,1-Dichloroethylene	BRL	mg/kg dry	0.0078	0.00035	1	8260B	8/9/16 19:32	ANG	P6H0156
1,1-Dichloropropylene	BRL	mg/kg dry	0.0078	0.00043	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0078	0.00044	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0078	0.0010	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0078	0.00058	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0078	0.00060	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2-Dibromoethane	BRL	mg/kg dry	0.0078	0.00031	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0078	0.00037	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2-Dichloroethane	BRL	mg/kg dry	0.0078	0.00047	1	8260B	8/9/16 19:32	ANG	P6H0156
1,2-Dichloropropane	BRL	mg/kg dry	0.0078	0.00048	1	8260B	8/9/16 19:32	ANG	P6H0156
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0078	0.00059	1	8260B	8/9/16 19:32	ANG	P6H0156
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0078	0.00052	1	8260B	8/9/16 19:32	ANG	P6H0156
1,3-Dichloropropane	BRL	mg/kg dry	0.0078	0.00039	1	8260B	8/9/16 19:32	ANG	P6H0156
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0078	0.00031	1	8260B	8/9/16 19:32	ANG	P6H0156
2,2-Dichloropropane	BRL	mg/kg dry	0.0078	0.00037	1	8260B	8/9/16 19:32	ANG	P6H0156
2-Chlorotoluene	BRL	mg/kg dry	0.0078	0.00040	1	8260B	8/9/16 19:32	ANG	P6H0156
4-Chlorotoluene	BRL	mg/kg dry	0.0078	0.00047	1	8260B	8/9/16 19:32	ANG	P6H0156
4-Isopropyltoluene	BRL	mg/kg dry	0.0078	0.00038	1	8260B	8/9/16 19:32	ANG	P6H0156
Acetone	0.035 J	mg/kg dry	0.078	0.0019	1	8260B	8/9/16 19:32	ANG	P6H0156
Benzene	BRL	mg/kg dry	0.0047	0.00045	1	8260B	8/9/16 19:32	ANG	P6H0156
Bromobenzene	BRL	mg/kg dry	0.0078	0.00065	1	8260B	8/9/16 19:32	ANG	P6H0156
Bromochloromethane	BRL	mg/kg dry	0.0078	0.00043	1	8260B	8/9/16 19:32	ANG	P6H0156
Bromodichloromethane	BRL	mg/kg dry	0.0078	0.00044	1	8260B	8/9/16 19:32	ANG	P6H0156
Bromoform	BRL	mg/kg dry	0.0078	0.00089	1	8260B	8/9/16 19:32	ANG	P6H0156
Bromomethane	BRL	mg/kg dry	0.016	0.00096	1	8260B	8/9/16 19:32	ANG	P6H0156
Carbon Tetrachloride	BRL	mg/kg dry	0.0078	0.00039	1	8260B	8/9/16 19:32	ANG	P6H0156
Chlorobenzene	BRL	mg/kg dry	0.0078	0.00041	1	8260B	8/9/16 19:32	ANG	P6H0156
Chloroethane	BRL	mg/kg dry	0.016	0.00065	1	8260B	8/9/16 19:32	ANG	P6H0156
Chloroform	BRL	mg/kg dry	0.0078	0.00056	1	8260B	8/9/16 19:32	ANG	P6H0156
Chloromethane	BRL	mg/kg dry	0.0078	0.00052	1	8260B	8/9/16 19:32	ANG	P6H0156
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0078	0.00033	1	8260B	8/9/16 19:32	ANG	P6H0156
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0078	0.00026	1	8260B	8/9/16 19:32	ANG	P6H0156
Dibromochloromethane	BRL	mg/kg dry	0.0078	0.00032	1	8260B	8/9/16 19:32	ANG	P6H0156
Dichlorodifluoromethane	BRL	mg/kg dry	0.0078	0.00035	1	8260B	8/9/16 19:32	ANG	P6H0156
Ethylbenzene	BRL	mg/kg dry	0.0078	0.00030	1	8260B	8/9/16 19:32	ANG	P6H0156
Isopropyl Ether	BRL	mg/kg dry	0.0078	0.00032	1	8260B	8/9/16 19:32	ANG	P6H0156
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0078	0.00046	1	8260B	8/9/16 19:32	ANG	P6H0156
m,p-Xylenes	BRL	mg/kg dry	0.016	0.00072	1	8260B	8/9/16 19:32	ANG	P6H0156
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.078	0.00071	1	8260B	8/9/16 19:32	ANG	P6H0156

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: SB-6
Prism Sample ID: 6080128-06
Prism Work Order: 6080128
Time Collected: 08/03/16 14:50
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.16	0.00071	1	8260B	8/9/16 19:32	ANG	P6H0156
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.078	0.00067	1	8260B	8/9/16 19:32	ANG	P6H0156
Methylene Chloride	BRL	mg/kg dry	0.0078	0.00044	1	8260B	8/9/16 19:32	ANG	P6H0156
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.016	0.00025	1	8260B	8/9/16 19:32	ANG	P6H0156
Naphthalene	BRL	mg/kg dry	0.016	0.00025	1	8260B	8/9/16 19:32	ANG	P6H0156
n-Butylbenzene	BRL	mg/kg dry	0.0078	0.00040	1	8260B	8/9/16 19:32	ANG	P6H0156
n-Propylbenzene	BRL	mg/kg dry	0.0078	0.00046	1	8260B	8/9/16 19:32	ANG	P6H0156
o-Xylene	BRL	mg/kg dry	0.0078	0.00032	1	8260B	8/9/16 19:32	ANG	P6H0156
sec-Butylbenzene	BRL	mg/kg dry	0.0078	0.00038	1	8260B	8/9/16 19:32	ANG	P6H0156
Styrene	BRL	mg/kg dry	0.0078	0.00047	1	8260B	8/9/16 19:32	ANG	P6H0156
tert-Butylbenzene	BRL	mg/kg dry	0.0078	0.00026	1	8260B	8/9/16 19:32	ANG	P6H0156
Tetrachloroethylene	BRL	mg/kg dry	0.0078	0.00037	1	8260B	8/9/16 19:32	ANG	P6H0156
Toluene	BRL	mg/kg dry	0.0078	0.00045	1	8260B	8/9/16 19:32	ANG	P6H0156
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0078	0.00047	1	8260B	8/9/16 19:32	ANG	P6H0156
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0078	0.00041	1	8260B	8/9/16 19:32	ANG	P6H0156
Trichloroethylene	BRL	mg/kg dry	0.0078	0.00051	1	8260B	8/9/16 19:32	ANG	P6H0156
Trichlorofluoromethane	BRL	mg/kg dry	0.0078	0.00050	1	8260B	8/9/16 19:32	ANG	P6H0156
Vinyl acetate	BRL	mg/kg dry	0.039	0.0011	1	8260B	8/9/16 19:32	ANG	P6H0156
Vinyl chloride	BRL	mg/kg dry	0.0078	0.00038	1	8260B	8/9/16 19:32	ANG	P6H0156
Xylenes, total	BRL	mg/kg dry	0.023	0.0015	1	8260B	8/9/16 19:32	ANG	P6H0156
Surrogate						Recovery	Control Limits		
4-Bromofluorobenzene						117 %	70-130		
Dibromofluoromethane						109 %	84-123		
Toluene-d8						95 %	76-129		

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: Duplicate
Prism Sample ID: 6080128-07
Prism Work Order: 6080128
Time Collected: 08/03/16 14:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	78.4	% by Weight	0.100	0.100	1	*SM2540 G	8/11/16 15:22	JLB	P6H0223
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	6.3	0.98	1	8270D	8/10/16 19:47	JMV	P6H0147
1,2-Dichlorobenzene	BRL	mg/kg dry	6.3	0.96	1	8270D	8/10/16 19:47	JMV	P6H0147
1,3-Dichlorobenzene	BRL	mg/kg dry	6.3	0.89	1	8270D	8/10/16 19:47	JMV	P6H0147
1,4-Dichlorobenzene	BRL	mg/kg dry	6.3	0.92	1	8270D	8/10/16 19:47	JMV	P6H0147
1-Methylnaphthalene	3.6 J	mg/kg dry	6.3	1.2	1	8270D	8/10/16 19:47	JMV	P6H0147
2,4,6-Trichlorophenol	BRL	mg/kg dry	6.3	1.2	1	8270D	8/10/16 19:47	JMV	P6H0147
2,4-Dichlorophenol	BRL	mg/kg dry	6.3	1.2	1	8270D	8/10/16 19:47	JMV	P6H0147
2,4-Dimethylphenol	BRL	mg/kg dry	6.3	0.97	1	8270D	8/10/16 19:47	JMV	P6H0147
2,4-Dinitrophenol	BRL A	mg/kg dry	6.3	0.88	1	8270D	8/10/16 19:47	JMV	P6H0147
2,4-Dinitrotoluene	BRL	mg/kg dry	6.3	0.77	1	8270D	8/10/16 19:47	JMV	P6H0147
2,6-Dinitrotoluene	BRL	mg/kg dry	6.3	0.84	1	8270D	8/10/16 19:47	JMV	P6H0147
2-Chloronaphthalene	BRL	mg/kg dry	6.3	0.91	1	8270D	8/10/16 19:47	JMV	P6H0147
2-Chlorophenol	BRL	mg/kg dry	6.3	0.89	1	8270D	8/10/16 19:47	JMV	P6H0147
2-Methylnaphthalene	4.3 J	mg/kg dry	6.3	1.0	1	8270D	8/10/16 19:47	JMV	P6H0147
2-Methylphenol	BRL	mg/kg dry	6.3	0.81	1	8270D	8/10/16 19:47	JMV	P6H0147
2-Nitrophenol	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
3,3'-Dichlorobenzidine	BRL	mg/kg dry	6.3	1.2	1	8270D	8/10/16 19:47	JMV	P6H0147
3/4-Methylphenol	BRL	mg/kg dry	6.3	0.78	1	8270D	8/10/16 19:47	JMV	P6H0147
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	6.3	0.95	1	8270D	8/10/16 19:47	JMV	P6H0147
4-Bromophenyl phenyl ether	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
4-Chloro-3-methylphenol	BRL	mg/kg dry	6.3	0.88	1	8270D	8/10/16 19:47	JMV	P6H0147
4-Chloroaniline	BRL	mg/kg dry	6.3	0.76	1	8270D	8/10/16 19:47	JMV	P6H0147
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	6.3	0.82	1	8270D	8/10/16 19:47	JMV	P6H0147
4-Nitrophenol	BRL	mg/kg dry	6.3	0.97	1	8270D	8/10/16 19:47	JMV	P6H0147
Acenaphthene	BRL	mg/kg dry	6.3	0.86	1	8270D	8/10/16 19:47	JMV	P6H0147
Acenaphthylene	1.6 J	mg/kg dry	6.3	0.91	1	8270D	8/10/16 19:47	JMV	P6H0147
Anthracene	BRL	mg/kg dry	6.3	1.0	1	8270D	8/10/16 19:47	JMV	P6H0147
Azobenzene	BRL	mg/kg dry	6.3	0.83	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzo(a)anthracene	2.0 J	mg/kg dry	6.3	0.82	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzo(a)pyrene	BRL	mg/kg dry	6.3	0.68	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzo(b)fluoranthene	2.2 J	mg/kg dry	6.3	0.73	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzo(g,h,i)perylene	BRL	mg/kg dry	6.3	0.69	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzo(k)fluoranthene	BRL	mg/kg dry	6.3	0.83	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzoic Acid	BRL	mg/kg dry	6.3	0.53	1	8270D	8/10/16 19:47	JMV	P6H0147
Benzyl alcohol	BRL	mg/kg dry	6.3	0.83	1	8270D	8/10/16 19:47	JMV	P6H0147
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	6.3	0.89	1	8270D	8/10/16 19:47	JMV	P6H0147
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	6.3	0.93	1	8270D	8/10/16 19:47	JMV	P6H0147

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: Duplicate
Prism Sample ID: 6080128-07
Prism Work Order: 6080128
Time Collected: 08/03/16 14:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	6.3	0.90	1	8270D	8/10/16 19:47	JMV	P6H0147
Chrysene	3.7 J	mg/kg dry	6.3	0.79	1	8270D	8/10/16 19:47	JMV	P6H0147
Dibenzo(a,h)anthracene	BRL	mg/kg dry	6.3	0.77	1	8270D	8/10/16 19:47	JMV	P6H0147
Dibenzofuran	BRL	mg/kg dry	6.3	0.96	1	8270D	8/10/16 19:47	JMV	P6H0147
Diethyl phthalate	BRL	mg/kg dry	6.3	0.87	1	8270D	8/10/16 19:47	JMV	P6H0147
Dimethyl phthalate	BRL	mg/kg dry	6.3	0.83	1	8270D	8/10/16 19:47	JMV	P6H0147
Di-n-butyl phthalate	BRL	mg/kg dry	6.3	0.89	1	8270D	8/10/16 19:47	JMV	P6H0147
Di-n-octyl phthalate	BRL	mg/kg dry	6.3	0.77	1	8270D	8/10/16 19:47	JMV	P6H0147
Fluoranthene	3.5 J	mg/kg dry	6.3	0.80	1	8270D	8/10/16 19:47	JMV	P6H0147
Fluorene	BRL	mg/kg dry	6.3	0.90	1	8270D	8/10/16 19:47	JMV	P6H0147
Hexachlorobenzene	BRL	mg/kg dry	6.3	1.0	1	8270D	8/10/16 19:47	JMV	P6H0147
Hexachlorobutadiene	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
Hexachlorocyclopentadiene	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
Hexachloroethane	BRL	mg/kg dry	6.3	1.1	1	8270D	8/10/16 19:47	JMV	P6H0147
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	6.3	0.72	1	8270D	8/10/16 19:47	JMV	P6H0147
Isophorone	BRL	mg/kg dry	6.3	0.85	1	8270D	8/10/16 19:47	JMV	P6H0147
Naphthalene	6.1 J	mg/kg dry	6.3	1.0	1	8270D	8/10/16 19:47	JMV	P6H0147
Nitrobenzene	BRL	mg/kg dry	6.3	0.89	1	8270D	8/10/16 19:47	JMV	P6H0147
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	6.3	0.99	1	8270D	8/10/16 19:47	JMV	P6H0147
N-Nitrosodiphenylamine	BRL	mg/kg dry	6.3	0.96	1	8270D	8/10/16 19:47	JMV	P6H0147
Pentachlorophenol	BRL A	mg/kg dry	6.3	0.74	1	8270D	8/10/16 19:47	JMV	P6H0147
Phenanthrene	6.6	mg/kg dry	6.3	0.82	1	8270D	8/10/16 19:47	JMV	P6H0147
Phenol	BRL	mg/kg dry	6.3	0.93	1	8270D	8/10/16 19:47	JMV	P6H0147
Pyrene	4.3 J	mg/kg dry	6.3	0.83	1	8270D	8/10/16 19:47	JMV	P6H0147

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	95 %	39-132
2-Fluorobiphenyl	105 %	44-115
2-Fluorophenol	105 %	35-115
Nitrobenzene-d5	101 %	37-122
Phenol-d5	103 %	34-121
Terphenyl-d14	105 %	54-127

Total Metals

Mercury	0.14	mg/kg dry	0.024	0.0013	1	*7471B	8/11/16 8:51	JAB	P6H0163
Arsenic	20	mg/kg dry	0.31	0.038	1	*6010D	8/9/16 21:14	bgm	P6H0159
Barium	83	mg/kg dry	0.63	0.092	1	*6010D	8/9/16 21:14	bgm	P6H0159
Cadmium	BRL	mg/kg dry	0.31	0.0084	1	*6010D	8/9/16 21:14	bgm	P6H0159
Chromium	4.0	mg/kg dry	0.31	0.053	1	*6010D	8/9/16 21:14	bgm	P6H0159
Lead	16	mg/kg dry	0.31	0.058	1	*6010D	8/9/16 21:14	bgm	P6H0159
Selenium	2.2	mg/kg dry	0.63	0.15	1	*6010D	8/9/16 21:14	bgm	P6H0159
Silver	BRL	mg/kg dry	0.31	0.0078	1	*6010D	8/9/16 21:14	bgm	P6H0159

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0081	0.00067	1	8260B	8/11/16 13:31	ANG	P6H0196
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: Duplicate
Prism Sample ID: 6080128-07
Prism Work Order: 6080128
Time Collected: 08/03/16 14:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0081	0.00055	1	8260B	8/11/16 13:31	ANG	P6H0196
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0081	0.00072	1	8260B	8/11/16 13:31	ANG	P6H0196
1,1-Dichloroethane	BRL	mg/kg dry	0.0081	0.00023	1	8260B	8/11/16 13:31	ANG	P6H0196
1,1-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00036	1	8260B	8/11/16 13:31	ANG	P6H0196
1,1-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00044	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0081	0.00046	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0081	0.0010	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0081	0.00060	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0081	0.00062	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2-Dibromoethane	BRL	mg/kg dry	0.0081	0.00033	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00038	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2-Dichloroethane	BRL	mg/kg dry	0.0081	0.00048	1	8260B	8/11/16 13:31	ANG	P6H0196
1,2-Dichloropropane	BRL	mg/kg dry	0.0081	0.00050	1	8260B	8/11/16 13:31	ANG	P6H0196
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0081	0.00061	1	8260B	8/11/16 13:31	ANG	P6H0196
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00054	1	8260B	8/11/16 13:31	ANG	P6H0196
1,3-Dichloropropane	BRL	mg/kg dry	0.0081	0.00041	1	8260B	8/11/16 13:31	ANG	P6H0196
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00032	1	8260B	8/11/16 13:31	ANG	P6H0196
2,2-Dichloropropane	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
2-Chlorotoluene	BRL	mg/kg dry	0.0081	0.00042	1	8260B	8/11/16 13:31	ANG	P6H0196
4-Chlorotoluene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	8/11/16 13:31	ANG	P6H0196
4-Isopropyltoluene	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
Acetone	BRL	mg/kg dry	0.081	0.0020	1	8260B	8/11/16 13:31	ANG	P6H0196
Benzene	BRL	mg/kg dry	0.0049	0.00047	1	8260B	8/11/16 13:31	ANG	P6H0196
Bromobenzene	BRL	mg/kg dry	0.0081	0.00068	1	8260B	8/11/16 13:31	ANG	P6H0196
Bromochloromethane	BRL	mg/kg dry	0.0081	0.00045	1	8260B	8/11/16 13:31	ANG	P6H0196
Bromodichloromethane	BRL	mg/kg dry	0.0081	0.00045	1	8260B	8/11/16 13:31	ANG	P6H0196
Bromoform	BRL	mg/kg dry	0.0081	0.00092	1	8260B	8/11/16 13:31	ANG	P6H0196
Bromomethane	BRL	mg/kg dry	0.016	0.0010	1	8260B	8/11/16 13:31	ANG	P6H0196
Carbon Tetrachloride	BRL	mg/kg dry	0.0081	0.00040	1	8260B	8/11/16 13:31	ANG	P6H0196
Chlorobenzene	BRL	mg/kg dry	0.0081	0.00043	1	8260B	8/11/16 13:31	ANG	P6H0196
Chloroethane	BRL	mg/kg dry	0.016	0.00068	1	8260B	8/11/16 13:31	ANG	P6H0196
Chloroform	BRL	mg/kg dry	0.0081	0.00058	1	8260B	8/11/16 13:31	ANG	P6H0196
Chloromethane	BRL	mg/kg dry	0.0081	0.00054	1	8260B	8/11/16 13:31	ANG	P6H0196
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00034	1	8260B	8/11/16 13:31	ANG	P6H0196
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00027	1	8260B	8/11/16 13:31	ANG	P6H0196
Dibromochloromethane	BRL	mg/kg dry	0.0081	0.00033	1	8260B	8/11/16 13:31	ANG	P6H0196
Dichlorodifluoromethane	BRL	mg/kg dry	0.0081	0.00037	1	8260B	8/11/16 13:31	ANG	P6H0196
Ethylbenzene	BRL	mg/kg dry	0.0081	0.00031	1	8260B	8/11/16 13:31	ANG	P6H0196
Isopropyl Ether	BRL	mg/kg dry	0.0081	0.00033	1	8260B	8/11/16 13:31	ANG	P6H0196
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0081	0.00048	1	8260B	8/11/16 13:31	ANG	P6H0196
m,p-Xylenes	BRL	mg/kg dry	0.016	0.00075	1	8260B	8/11/16 13:31	ANG	P6H0196
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.081	0.00073	1	8260B	8/11/16 13:31	ANG	P6H0196

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Solid

Client Sample ID: Duplicate
Prism Sample ID: 6080128-07
Prism Work Order: 6080128
Time Collected: 08/03/16 14:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.16	0.00073	1	8260B	8/11/16 13:31	ANG	P6H0196
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.081	0.00069	1	8260B	8/11/16 13:31	ANG	P6H0196
Methylene Chloride	0.027	mg/kg dry	0.0081	0.00045	1	8260B	8/11/16 13:31	ANG	P6H0196
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.016	0.00026	1	8260B	8/11/16 13:31	ANG	P6H0196
Naphthalene	0.0043 J	mg/kg dry	0.016	0.00026	1	8260B	8/11/16 13:31	ANG	P6H0196
n-Butylbenzene	BRL	mg/kg dry	0.0081	0.00041	1	8260B	8/11/16 13:31	ANG	P6H0196
n-Propylbenzene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	8/11/16 13:31	ANG	P6H0196
o-Xylene	BRL	mg/kg dry	0.0081	0.00033	1	8260B	8/11/16 13:31	ANG	P6H0196
sec-Butylbenzene	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
Styrene	BRL	mg/kg dry	0.0081	0.00049	1	8260B	8/11/16 13:31	ANG	P6H0196
tert-Butylbenzene	BRL	mg/kg dry	0.0081	0.00027	1	8260B	8/11/16 13:31	ANG	P6H0196
Tetrachloroethylene	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
Toluene	BRL	mg/kg dry	0.0081	0.00046	1	8260B	8/11/16 13:31	ANG	P6H0196
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	8/11/16 13:31	ANG	P6H0196
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00043	1	8260B	8/11/16 13:31	ANG	P6H0196
Trichloroethylene	BRL	mg/kg dry	0.0081	0.00052	1	8260B	8/11/16 13:31	ANG	P6H0196
Trichlorofluoromethane	BRL	mg/kg dry	0.0081	0.00052	1	8260B	8/11/16 13:31	ANG	P6H0196
Vinyl acetate	BRL	mg/kg dry	0.040	0.0011	1	8260B	8/11/16 13:31	ANG	P6H0196
Vinyl chloride	BRL	mg/kg dry	0.0081	0.00039	1	8260B	8/11/16 13:31	ANG	P6H0196
Xylenes, total	BRL	mg/kg dry	0.024	0.0015	1	8260B	8/11/16 13:31	ANG	P6H0196

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	194 %	70-130 SR
Dibromofluoromethane	129 %	84-123 SR
Toluene-d8	155 %	76-129 SR



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0156 - 5035									
Blank (P6H0156-BLK1)									
Prepared & Analyzed: 08/09/16									
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet						
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet						
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet						
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet						
1,1-Dichloroethane	BRL	0.0050	mg/kg wet						
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet						
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet						
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet						
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet						
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet						
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet						
1,2-Dibromoethane	BRL	0.0050	mg/kg wet						
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet						
1,2-Dichloroethane	BRL	0.0050	mg/kg wet						
1,2-Dichloropropane	BRL	0.0050	mg/kg wet						
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet						
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet						
1,3-Dichloropropane	BRL	0.0050	mg/kg wet						
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet						
2,2-Dichloropropane	BRL	0.0050	mg/kg wet						
2-Chlorotoluene	BRL	0.0050	mg/kg wet						
4-Chlorotoluene	BRL	0.0050	mg/kg wet						
4-Isopropyltoluene	BRL	0.0050	mg/kg wet						
Acetone	BRL	0.050	mg/kg wet						
Benzene	BRL	0.0030	mg/kg wet						
Bromobenzene	BRL	0.0050	mg/kg wet						
Bromochloromethane	BRL	0.0050	mg/kg wet						
Bromodichloromethane	BRL	0.0050	mg/kg wet						
Bromoform	BRL	0.0050	mg/kg wet						
Bromomethane	BRL	0.010	mg/kg wet						
Carbon Tetrachloride	BRL	0.0050	mg/kg wet						
Chlorobenzene	BRL	0.0050	mg/kg wet						
Chloroethane	BRL	0.010	mg/kg wet						
Chloroform	BRL	0.0050	mg/kg wet						
Chloromethane	BRL	0.0050	mg/kg wet						
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet						
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet						
Dibromochloromethane	BRL	0.0050	mg/kg wet						
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet						
Ethylbenzene	BRL	0.0050	mg/kg wet						
Isopropyl Ether	BRL	0.0050	mg/kg wet						
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet						
m,p-Xylenes	BRL	0.010	mg/kg wet						
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet						
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet						
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet						

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0156 - 5035										
Blank (P6H0156-BLK1)										
Prepared & Analyzed: 08/09/16										
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	49.5		ug/L	50.00		99	70-130			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.00		100	84-123			
Surrogate: Toluene-d8	44.6		ug/L	50.00		89	76-129			
LCS (P6H0156-BS1)										
Prepared & Analyzed: 08/09/16										
1,1,1,2-Tetrachloroethane	0.0528	0.0050	mg/kg wet	0.05000		106	72-115			
1,1,1-Trichloroethane	0.0585	0.0050	mg/kg wet	0.05000		117	67-131			
1,1,2,2-Tetrachloroethane	0.0435	0.0050	mg/kg wet	0.05000		87	56-126			
1,1,2-Trichloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0536	0.0050	mg/kg wet	0.05000		107	74-127			
1,1-Dichloroethylene	0.0568	0.0050	mg/kg wet	0.05000		114	67-149			
1,1-Dichloropropylene	0.0558	0.0050	mg/kg wet	0.05000		112	71-130			
1,2,3-Trichlorobenzene	0.0449	0.0050	mg/kg wet	0.05000		90	68-130			
1,2,3-Trichloropropane	0.0448	0.0050	mg/kg wet	0.05000		90	60-137			
1,2,4-Trichlorobenzene	0.0466	0.0050	mg/kg wet	0.05000		93	66-125			
1,2,4-Trimethylbenzene	0.0446	0.0050	mg/kg wet	0.05000		89	69-129			
1,2-Dibromoethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-132			
1,2-Dichlorobenzene	0.0422	0.0050	mg/kg wet	0.05000		84	72-123			
1,2-Dichloroethane	0.0561	0.0050	mg/kg wet	0.05000		112	68-128			
1,2-Dichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	73-130			
1,3,5-Trimethylbenzene	0.0452	0.0050	mg/kg wet	0.05000		90	69-128			
1,3-Dichlorobenzene	0.0439	0.0050	mg/kg wet	0.05000		88	71-120			
1,3-Dichloropropane	0.0490	0.0050	mg/kg wet	0.05000		98	75-124			
1,4-Dichlorobenzene	0.0430	0.0050	mg/kg wet	0.05000		86	71-123			
2,2-Dichloropropane	0.0580	0.0050	mg/kg wet	0.05000		116	50-142			
2-Chlorotoluene	0.0441	0.0050	mg/kg wet	0.05000		88	67-124			
4-Chlorotoluene	0.0444	0.0050	mg/kg wet	0.05000		89	71-126			
4-Isopropyltoluene	0.0453	0.0050	mg/kg wet	0.05000		91	68-129			
Acetone	0.110	0.050	mg/kg wet	0.1000		110	29-198			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0156 - 5035										
LCS (P6H0156-BS1)				Prepared & Analyzed: 08/09/16						
Benzene	0.0513	0.0030	mg/kg wet	0.05000		103	74-127			
Bromobenzene	0.0441	0.0050	mg/kg wet	0.05000		88	73-125			
Bromochloromethane	0.0532	0.0050	mg/kg wet	0.05000		106	72-134			
Bromodichloromethane	0.0576	0.0050	mg/kg wet	0.05000		115	75-122			
Bromoform	0.0584	0.0050	mg/kg wet	0.05000		117	66-135			
Bromomethane	0.0390	0.010	mg/kg wet	0.05000		78	20-180			
Carbon Tetrachloride	0.0617	0.0050	mg/kg wet	0.05000		123	64-143			
Chlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	74-118			
Chloroethane	0.0514	0.010	mg/kg wet	0.05000		103	33-149			
Chloroform	0.0532	0.0050	mg/kg wet	0.05000		106	73-127			
Chloromethane	0.0427	0.0050	mg/kg wet	0.05000		85	45-143			
cis-1,2-Dichloroethylene	0.0524	0.0050	mg/kg wet	0.05000		105	76-134			
cis-1,3-Dichloropropylene	0.0532	0.0050	mg/kg wet	0.05000		106	71-125			
Dibromochloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	73-122			
Dichlorodifluoromethane	0.0542	0.0050	mg/kg wet	0.05000		108	26-146			
Ethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	74-128			
Isopropyl Ether	0.0492	0.0050	mg/kg wet	0.05000		98	59-159			
Isopropylbenzene (Cumene)	0.0448	0.0050	mg/kg wet	0.05000		90	68-126			
m,p-Xylenes	0.100	0.010	mg/kg wet	0.1000		100	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0505	0.050	mg/kg wet	0.05000		101	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0529	0.10	mg/kg wet	0.05000		106	63-149			J
Methyl Isobutyl Ketone	0.0524	0.050	mg/kg wet	0.05000		105	57-162			
Methylene Chloride	0.0510	0.0050	mg/kg wet	0.05000		102	74-129			
Methyl-tert-Butyl Ether	0.0531	0.010	mg/kg wet	0.05000		106	70-130			
Naphthalene	0.0436	0.010	mg/kg wet	0.05000		87	57-157			
n-Butylbenzene	0.0468	0.0050	mg/kg wet	0.05000		94	65-135			
n-Propylbenzene	0.0452	0.0050	mg/kg wet	0.05000		90	67-130			
o-Xylene	0.0496	0.0050	mg/kg wet	0.05000		99	74-126			
sec-Butylbenzene	0.0447	0.0050	mg/kg wet	0.05000		89	66-131			
Styrene	0.0472	0.0050	mg/kg wet	0.05000		94	77-121			
tert-Butylbenzene	0.0454	0.0050	mg/kg wet	0.05000		91	67-132			
Tetrachloroethylene	0.0554	0.0050	mg/kg wet	0.05000		111	68-130			
Toluene	0.0506	0.0050	mg/kg wet	0.05000		101	71-129			
trans-1,2-Dichloroethylene	0.0540	0.0050	mg/kg wet	0.05000		108	73-132			
trans-1,3-Dichloropropylene	0.0543	0.0050	mg/kg wet	0.05000		109	68-123			
Trichloroethylene	0.0542	0.0050	mg/kg wet	0.05000		108	75-133			
Trichlorofluoromethane	0.0611	0.0050	mg/kg wet	0.05000		122	44-146			
Vinyl acetate	0.0555	0.025	mg/kg wet	0.05000		111	85-161			
Vinyl chloride	0.0546	0.0050	mg/kg wet	0.05000		109	48-147			
Xylenes, total	0.150	0.015	mg/kg wet	0.1500		100	74-126			
Surrogate: 4-Bromofluorobenzene	49.5		ug/L	50.00		99	70-130			
Surrogate: Dibromofluoromethane	51.7		ug/L	50.00		103	84-123			
Surrogate: Toluene-d8	46.6		ug/L	50.00		93	76-129			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0156 - 5035										
LCS Dup (P6H0156-BSD1)										
Prepared & Analyzed: 08/09/16										
1,1,1,2-Tetrachloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	72-115	7	20	
1,1,1-Trichloroethane	0.0542	0.0050	mg/kg wet	0.05000		108	67-131	8	20	
1,1,2,2-Tetrachloroethane	0.0438	0.0050	mg/kg wet	0.05000		88	56-126	0.8	20	
1,1,2-Trichloroethane	0.0463	0.0050	mg/kg wet	0.05000		93	70-133	0.2	20	
1,1-Dichloroethane	0.0509	0.0050	mg/kg wet	0.05000		102	74-127	5	20	
1,1-Dichloroethylene	0.0525	0.0050	mg/kg wet	0.05000		105	67-149	8	20	
1,1-Dichloropropylene	0.0525	0.0050	mg/kg wet	0.05000		105	71-130	6	20	
1,2,3-Trichlorobenzene	0.0449	0.0050	mg/kg wet	0.05000		90	68-130	0.02	20	
1,2,3-Trichloropropane	0.0462	0.0050	mg/kg wet	0.05000		92	60-137	3	20	
1,2,4-Trichlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	66-125	4	20	
1,2,4-Trimethylbenzene	0.0427	0.0050	mg/kg wet	0.05000		85	69-129	4	20	
1,2-Dibromoethane	0.0492	0.0050	mg/kg wet	0.05000		98	70-132	2	20	
1,2-Dichlorobenzene	0.0422	0.0050	mg/kg wet	0.05000		84	72-123	0.1	20	
1,2-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	68-128	5	20	
1,2-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	73-130	3	20	
1,3,5-Trimethylbenzene	0.0432	0.0050	mg/kg wet	0.05000		86	69-128	5	20	
1,3-Dichlorobenzene	0.0425	0.0050	mg/kg wet	0.05000		85	71-120	3	20	
1,3-Dichloropropane	0.0471	0.0050	mg/kg wet	0.05000		94	75-124	4	20	
1,4-Dichlorobenzene	0.0428	0.0050	mg/kg wet	0.05000		86	71-123	0.4	20	
2,2-Dichloropropane	0.0539	0.0050	mg/kg wet	0.05000		108	50-142	7	20	
2-Chlorotoluene	0.0427	0.0050	mg/kg wet	0.05000		85	67-124	3	20	
4-Chlorotoluene	0.0424	0.0050	mg/kg wet	0.05000		85	71-126	5	20	
4-Isopropyltoluene	0.0432	0.0050	mg/kg wet	0.05000		86	68-129	5	20	
Acetone	0.107	0.050	mg/kg wet	0.1000		107	29-198	3	20	
Benzene	0.0486	0.0030	mg/kg wet	0.05000		97	74-127	5	20	
Bromobenzene	0.0430	0.0050	mg/kg wet	0.05000		86	73-125	3	20	
Bromochloromethane	0.0500	0.0050	mg/kg wet	0.05000		100	72-134	6	20	
Bromodichloromethane	0.0557	0.0050	mg/kg wet	0.05000		111	75-122	3	20	
Bromoform	0.0553	0.0050	mg/kg wet	0.05000		111	66-135	5	20	
Bromomethane	0.0365	0.010	mg/kg wet	0.05000		73	20-180	7	20	
Carbon Tetrachloride	0.0572	0.0050	mg/kg wet	0.05000		114	64-143	8	20	
Chlorobenzene	0.0453	0.0050	mg/kg wet	0.05000		91	74-118	4	20	
Chloroethane	0.0471	0.010	mg/kg wet	0.05000		94	33-149	9	20	
Chloroform	0.0500	0.0050	mg/kg wet	0.05000		100	73-127	6	20	
Chloromethane	0.0391	0.0050	mg/kg wet	0.05000		78	45-143	9	20	
cis-1,2-Dichloroethylene	0.0500	0.0050	mg/kg wet	0.05000		100	76-134	5	20	
cis-1,3-Dichloropropylene	0.0510	0.0050	mg/kg wet	0.05000		102	71-125	4	20	
Dibromochloromethane	0.0549	0.0050	mg/kg wet	0.05000		110	73-122	0.3	20	
Dichlorodifluoromethane	0.0495	0.0050	mg/kg wet	0.05000		99	26-146	9	20	
Ethylbenzene	0.0458	0.0050	mg/kg wet	0.05000		92	74-128	5	20	
Isopropyl Ether	0.0484	0.0050	mg/kg wet	0.05000		97	59-159	2	20	
Isopropylbenzene (Cumene)	0.0428	0.0050	mg/kg wet	0.05000		86	68-126	5	20	
m,p-Xylenes	0.0948	0.010	mg/kg wet	0.1000		95	75-124	6	20	
Methyl Butyl Ketone (2-Hexanone)	0.0489	0.050	mg/kg wet	0.05000		98	61-157	3	20	J
Methyl Ethyl Ketone (2-Butanone)	0.0520	0.10	mg/kg wet	0.05000		104	63-149	2	20	J
Methyl Isobutyl Ketone	0.0525	0.050	mg/kg wet	0.05000		105	57-162	0.3	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0156 - 5035										
LCS Dup (P6H0156-BSD1)				Prepared & Analyzed: 08/09/16						
Methylene Chloride	0.0490	0.0050	mg/kg wet	0.05000		98	74-129	4	20	
Methyl-tert-Butyl Ether	0.0522	0.010	mg/kg wet	0.05000		104	70-130	2	20	
Naphthalene	0.0445	0.010	mg/kg wet	0.05000		89	57-157	2	20	
n-Butylbenzene	0.0446	0.0050	mg/kg wet	0.05000		89	65-135	5	20	
n-Propylbenzene	0.0427	0.0050	mg/kg wet	0.05000		85	67-130	6	20	
o-Xylene	0.0471	0.0050	mg/kg wet	0.05000		94	74-126	5	20	
sec-Butylbenzene	0.0420	0.0050	mg/kg wet	0.05000		84	66-131	6	20	
Styrene	0.0468	0.0050	mg/kg wet	0.05000		94	77-121	1	20	
tert-Butylbenzene	0.0438	0.0050	mg/kg wet	0.05000		88	67-132	4	20	
Tetrachloroethylene	0.0501	0.0050	mg/kg wet	0.05000		100	68-130	10	20	
Toluene	0.0483	0.0050	mg/kg wet	0.05000		97	71-129	5	20	
trans-1,2-Dichloroethylene	0.0499	0.0050	mg/kg wet	0.05000		100	73-132	8	20	
trans-1,3-Dichloropropylene	0.0546	0.0050	mg/kg wet	0.05000		109	68-123	0.4	20	
Trichloroethylene	0.0508	0.0050	mg/kg wet	0.05000		102	75-133	6	20	
Trichlorofluoromethane	0.0557	0.0050	mg/kg wet	0.05000		111	44-146	9	20	
Vinyl acetate	0.0524	0.025	mg/kg wet	0.05000		105	85-161	6	20	
Vinyl chloride	0.0497	0.0050	mg/kg wet	0.05000		99	48-147	9	20	
Xylenes, total	0.142	0.015	mg/kg wet	0.1500		95	74-126	6	20	
Surrogate: 4-Bromofluorobenzene	48.6		ug/L	50.00		97	70-130			
Surrogate: Dibromofluoromethane	49.1		ug/L	50.00		98	84-123			
Surrogate: Toluene-d8	45.1		ug/L	50.00		90	76-129			

Batch P6H0188 - 5035

Blank (P6H0188-BLK1)				Prepared & Analyzed: 08/10/16						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
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Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0188 - 5035										
Blank (P6H0188-BLK1)				Prepared & Analyzed: 08/10/16						
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	48.6		ug/L	50.00		97	70-130			
Surrogate: Dibromofluoromethane	52.0		ug/L	50.00		104	84-123			
Surrogate: Toluene-d8	43.4		ug/L	50.00		87	76-129			

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Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0188 - 5035										
LCS (P6H0188-BS1)										
Prepared & Analyzed: 08/10/16										
1,1,1,2-Tetrachloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	72-115			
1,1,1-Trichloroethane	0.0587	0.0050	mg/kg wet	0.05000		117	67-131			
1,1,2,2-Tetrachloroethane	0.0418	0.0050	mg/kg wet	0.05000		84	56-126			
1,1,2-Trichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-133			
1,1-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	74-127			
1,1-Dichloroethylene	0.0577	0.0050	mg/kg wet	0.05000		115	67-149			
1,1-Dichloropropylene	0.0544	0.0050	mg/kg wet	0.05000		109	71-130			
1,2,3-Trichlorobenzene	0.0432	0.0050	mg/kg wet	0.05000		86	68-130			
1,2,3-Trichloropropane	0.0443	0.0050	mg/kg wet	0.05000		89	60-137			
1,2,4-Trichlorobenzene	0.0408	0.0050	mg/kg wet	0.05000		82	66-125			
1,2,4-Trimethylbenzene	0.0405	0.0050	mg/kg wet	0.05000		81	69-129			
1,2-Dibromoethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-132			
1,2-Dichlorobenzene	0.0421	0.0050	mg/kg wet	0.05000		84	72-123			
1,2-Dichloroethane	0.0596	0.0050	mg/kg wet	0.05000		119	68-128			
1,2-Dichloropropane	0.0489	0.0050	mg/kg wet	0.05000		98	73-130			
1,3,5-Trimethylbenzene	0.0404	0.0050	mg/kg wet	0.05000		81	69-128			
1,3-Dichlorobenzene	0.0412	0.0050	mg/kg wet	0.05000		82	71-120			
1,3-Dichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	75-124			
1,4-Dichlorobenzene	0.0402	0.0050	mg/kg wet	0.05000		80	71-123			
2,2-Dichloropropane	0.0567	0.0050	mg/kg wet	0.05000		113	50-142			
2-Chlorotoluene	0.0414	0.0050	mg/kg wet	0.05000		83	67-124			
4-Chlorotoluene	0.0416	0.0050	mg/kg wet	0.05000		83	71-126			
4-Isopropyltoluene	0.0394	0.0050	mg/kg wet	0.05000		79	68-129			
Acetone	0.125	0.050	mg/kg wet	0.1000		125	29-198			
Benzene	0.0507	0.0030	mg/kg wet	0.05000		101	74-127			
Bromobenzene	0.0424	0.0050	mg/kg wet	0.05000		85	73-125			
Bromochloromethane	0.0549	0.0050	mg/kg wet	0.05000		110	72-134			
Bromodichloromethane	0.0607	0.0050	mg/kg wet	0.05000		121	75-122			
Bromoform	0.0542	0.0050	mg/kg wet	0.05000		108	66-135			
Bromomethane	0.0479	0.010	mg/kg wet	0.05000		96	20-180			
Carbon Tetrachloride	0.0616	0.0050	mg/kg wet	0.05000		123	64-143			
Chlorobenzene	0.0457	0.0050	mg/kg wet	0.05000		91	74-118			
Chloroethane	0.0512	0.010	mg/kg wet	0.05000		102	33-149			
Chloroform	0.0552	0.0050	mg/kg wet	0.05000		110	73-127			
Chloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	45-143			
cis-1,2-Dichloroethylene	0.0556	0.0050	mg/kg wet	0.05000		111	76-134			
cis-1,3-Dichloropropylene	0.0542	0.0050	mg/kg wet	0.05000		108	71-125			
Dibromochloromethane	0.0543	0.0050	mg/kg wet	0.05000		109	73-122			
Dichlorodifluoromethane	0.0563	0.0050	mg/kg wet	0.05000		113	26-146			
Ethylbenzene	0.0455	0.0050	mg/kg wet	0.05000		91	74-128			
Isopropyl Ether	0.0470	0.0050	mg/kg wet	0.05000		94	59-159			
Isopropylbenzene (Cumene)	0.0403	0.0050	mg/kg wet	0.05000		81	68-126			
m,p-Xylenes	0.0949	0.010	mg/kg wet	0.1000		95	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0508	0.050	mg/kg wet	0.05000		102	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0557	0.10	mg/kg wet	0.05000		111	63-149			J
Methyl Isobutyl Ketone	0.0550	0.050	mg/kg wet	0.05000		110	57-162			

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Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0188 - 5035										
LCS (P6H0188-BS1)										
Prepared & Analyzed: 08/10/16										
Methylene Chloride	0.0544	0.0050	mg/kg wet	0.05000		109	74-129			
Methyl-tert-Butyl Ether	0.0565	0.010	mg/kg wet	0.05000		113	70-130			
Naphthalene	0.0414	0.010	mg/kg wet	0.05000		83	57-157			
n-Butylbenzene	0.0396	0.0050	mg/kg wet	0.05000		79	65-135			
n-Propylbenzene	0.0410	0.0050	mg/kg wet	0.05000		82	67-130			
o-Xylene	0.0484	0.0050	mg/kg wet	0.05000		97	74-126			
sec-Butylbenzene	0.0393	0.0050	mg/kg wet	0.05000		79	66-131			
Styrene	0.0484	0.0050	mg/kg wet	0.05000		97	77-121			
tert-Butylbenzene	0.0408	0.0050	mg/kg wet	0.05000		82	67-132			
Tetrachloroethylene	0.0500	0.0050	mg/kg wet	0.05000		100	68-130			
Toluene	0.0498	0.0050	mg/kg wet	0.05000		100	71-129			
trans-1,2-Dichloroethylene	0.0548	0.0050	mg/kg wet	0.05000		110	73-132			
trans-1,3-Dichloropropylene	0.0569	0.0050	mg/kg wet	0.05000		114	68-123			
Trichloroethylene	0.0530	0.0050	mg/kg wet	0.05000		106	75-133			
Trichlorofluoromethane	0.0624	0.0050	mg/kg wet	0.05000		125	44-146			
Vinyl acetate	0.0508	0.025	mg/kg wet	0.05000		102	85-161			
Vinyl chloride	0.0521	0.0050	mg/kg wet	0.05000		104	48-147			
Xylenes, total	0.143	0.015	mg/kg wet	0.1500		96	74-126			
Surrogate: 4-Bromofluorobenzene	47.6		ug/L	50.00		95	70-130			
Surrogate: Dibromofluoromethane	48.9		ug/L	50.00		98	84-123			
Surrogate: Toluene-d8	42.0		ug/L	50.00		84	76-129			
LCS Dup (P6H0188-BS1)										
Prepared & Analyzed: 08/10/16										
1,1,1,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	72-115	3	20	
1,1,1-Trichloroethane	0.0541	0.0050	mg/kg wet	0.05000		108	67-131	8	20	
1,1,2,2-Tetrachloroethane	0.0424	0.0050	mg/kg wet	0.05000		85	56-126	1	20	
1,1,2-Trichloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-133	0.5	20	
1,1-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	74-127	3	20	
1,1-Dichloroethylene	0.0560	0.0050	mg/kg wet	0.05000		112	67-149	3	20	
1,1-Dichloropropylene	0.0514	0.0050	mg/kg wet	0.05000		103	71-130	6	20	
1,2,3-Trichlorobenzene	0.0439	0.0050	mg/kg wet	0.05000		88	68-130	2	20	
1,2,3-Trichloropropane	0.0445	0.0050	mg/kg wet	0.05000		89	60-137	0.4	20	
1,2,4-Trichlorobenzene	0.0415	0.0050	mg/kg wet	0.05000		83	66-125	2	20	
1,2,4-Trimethylbenzene	0.0391	0.0050	mg/kg wet	0.05000		78	69-129	4	20	
1,2-Dibromoethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-132	2	20	
1,2-Dichlorobenzene	0.0416	0.0050	mg/kg wet	0.05000		83	72-123	1	20	
1,2-Dichloroethane	0.0610	0.0050	mg/kg wet	0.05000		122	68-128	2	20	
1,2-Dichloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	73-130	2	20	
1,3,5-Trimethylbenzene	0.0398	0.0050	mg/kg wet	0.05000		80	69-128	2	20	
1,3-Dichlorobenzene	0.0410	0.0050	mg/kg wet	0.05000		82	71-120	0.5	20	
1,3-Dichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	75-124	0.5	20	
1,4-Dichlorobenzene	0.0406	0.0050	mg/kg wet	0.05000		81	71-123	1	20	
2,2-Dichloropropane	0.0540	0.0050	mg/kg wet	0.05000		108	50-142	5	20	
2-Chlorotoluene	0.0407	0.0050	mg/kg wet	0.05000		81	67-124	2	20	
4-Chlorotoluene	0.0411	0.0050	mg/kg wet	0.05000		82	71-126	1	20	
4-Isopropyltoluene	0.0379	0.0050	mg/kg wet	0.05000		76	68-129	4	20	
Acetone	0.128	0.050	mg/kg wet	0.1000		128	29-198	3	20	

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Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0188 - 5035										
LCS Dup (P6H0188-BSD1)				Prepared & Analyzed: 08/10/16						
Benzene	0.0489	0.0030	mg/kg wet	0.05000		98	74-127	4	20	
Bromobenzene	0.0420	0.0050	mg/kg wet	0.05000		84	73-125	0.9	20	
Bromochloromethane	0.0539	0.0050	mg/kg wet	0.05000		108	72-134	2	20	
Bromodichloromethane	0.0599	0.0050	mg/kg wet	0.05000		120	75-122	1	20	
Bromoform	0.0550	0.0050	mg/kg wet	0.05000		110	66-135	1	20	
Bromomethane	0.0458	0.010	mg/kg wet	0.05000		92	20-180	4	20	
Carbon Tetrachloride	0.0572	0.0050	mg/kg wet	0.05000		114	64-143	7	20	
Chlorobenzene	0.0441	0.0050	mg/kg wet	0.05000		88	74-118	3	20	
Chloroethane	0.0510	0.010	mg/kg wet	0.05000		102	33-149	0.3	20	
Chloroform	0.0549	0.0050	mg/kg wet	0.05000		110	73-127	0.5	20	
Chloromethane	0.0455	0.0050	mg/kg wet	0.05000		91	45-143	4	20	
cis-1,2-Dichloroethylene	0.0537	0.0050	mg/kg wet	0.05000		107	76-134	4	20	
cis-1,3-Dichloropropylene	0.0549	0.0050	mg/kg wet	0.05000		110	71-125	1	20	
Dibromochloromethane	0.0533	0.0050	mg/kg wet	0.05000		107	73-122	2	20	
Dichlorodifluoromethane	0.0513	0.0050	mg/kg wet	0.05000		103	26-146	9	20	
Ethylbenzene	0.0434	0.0050	mg/kg wet	0.05000		87	74-128	5	20	
Isopropyl Ether	0.0469	0.0050	mg/kg wet	0.05000		94	59-159	0.4	20	
Isopropylbenzene (Cumene)	0.0391	0.0050	mg/kg wet	0.05000		78	68-126	3	20	
m,p-Xylenes	0.0892	0.010	mg/kg wet	0.1000		89	75-124	6	20	
Methyl Butyl Ketone (2-Hexanone)	0.0503	0.050	mg/kg wet	0.05000		101	61-157	0.9	20	
Methyl Ethyl Ketone (2-Butanone)	0.0560	0.10	mg/kg wet	0.05000		112	63-149	0.4	20	J
Methyl Isobutyl Ketone	0.0547	0.050	mg/kg wet	0.05000		109	57-162	0.6	20	
Methylene Chloride	0.0523	0.0050	mg/kg wet	0.05000		105	74-129	4	20	
Methyl-tert-Butyl Ether	0.0578	0.010	mg/kg wet	0.05000		116	70-130	2	20	
Naphthalene	0.0433	0.010	mg/kg wet	0.05000		87	57-157	5	20	
n-Butylbenzene	0.0378	0.0050	mg/kg wet	0.05000		76	65-135	5	20	
n-Propylbenzene	0.0394	0.0050	mg/kg wet	0.05000		79	67-130	4	20	
o-Xylene	0.0462	0.0050	mg/kg wet	0.05000		92	74-126	5	20	
sec-Butylbenzene	0.0378	0.0050	mg/kg wet	0.05000		76	66-131	4	20	
Styrene	0.0461	0.0050	mg/kg wet	0.05000		92	77-121	5	20	
tert-Butylbenzene	0.0397	0.0050	mg/kg wet	0.05000		79	67-132	3	20	
Tetrachloroethylene	0.0476	0.0050	mg/kg wet	0.05000		95	68-130	5	20	
Toluene	0.0482	0.0050	mg/kg wet	0.05000		96	71-129	3	20	
trans-1,2-Dichloroethylene	0.0508	0.0050	mg/kg wet	0.05000		102	73-132	8	20	
trans-1,3-Dichloropropylene	0.0564	0.0050	mg/kg wet	0.05000		113	68-123	0.8	20	
Trichloroethylene	0.0515	0.0050	mg/kg wet	0.05000		103	75-133	3	20	
Trichlorofluoromethane	0.0570	0.0050	mg/kg wet	0.05000		114	44-146	9	20	
Vinyl acetate	0.0547	0.025	mg/kg wet	0.05000		109	85-161	7	20	
Vinyl chloride	0.0492	0.0050	mg/kg wet	0.05000		98	48-147	6	20	
Xylenes, total	0.135	0.015	mg/kg wet	0.1500		90	74-126	6	20	
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.00		100	70-130			
Surrogate: Dibromofluoromethane	51.1		ug/L	50.00		102	84-123			
Surrogate: Toluene-d8	43.3		ug/L	50.00		87	76-129			

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0196 - 5035										
Blank (P6H0196-BLK1)				Prepared & Analyzed: 08/11/16						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							

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Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0196 - 5035										
Blank (P6H0196-BLK1)				Prepared & Analyzed: 08/11/16						
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.00		99	70-130			
Surrogate: Dibromofluoromethane	53.5		ug/L	50.00		107	84-123			
Surrogate: Toluene-d8	47.8		ug/L	50.00		96	76-129			
LCS (P6H0196-BS1)				Prepared & Analyzed: 08/11/16						
1,1,1,2-Tetrachloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	72-115			
1,1,1-Trichloroethane	0.0584	0.0050	mg/kg wet	0.05000		117	67-131			
1,1,2,2-Tetrachloroethane	0.0434	0.0050	mg/kg wet	0.05000		87	56-126			
1,1,2-Trichloroethane	0.0467	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	74-127			
1,1-Dichloroethylene	0.0596	0.0050	mg/kg wet	0.05000		119	67-149			
1,1-Dichloropropylene	0.0521	0.0050	mg/kg wet	0.05000		104	71-130			
1,2,3-Trichlorobenzene	0.0462	0.0050	mg/kg wet	0.05000		92	68-130			
1,2,3-Trichloropropane	0.0474	0.0050	mg/kg wet	0.05000		95	60-137			
1,2,4-Trichlorobenzene	0.0455	0.0050	mg/kg wet	0.05000		91	66-125			
1,2,4-Trimethylbenzene	0.0463	0.0050	mg/kg wet	0.05000		93	69-129			
1,2-Dibromoethane	0.0504	0.0050	mg/kg wet	0.05000		101	70-132			
1,2-Dichlorobenzene	0.0446	0.0050	mg/kg wet	0.05000		89	72-123			
1,2-Dichloroethane	0.0583	0.0050	mg/kg wet	0.05000		117	68-128			
1,2-Dichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	73-130			
1,3,5-Trimethylbenzene	0.0470	0.0050	mg/kg wet	0.05000		94	69-128			
1,3-Dichlorobenzene	0.0462	0.0050	mg/kg wet	0.05000		92	71-120			
1,3-Dichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	75-124			
1,4-Dichlorobenzene	0.0455	0.0050	mg/kg wet	0.05000		91	71-123			
2,2-Dichloropropane	0.0566	0.0050	mg/kg wet	0.05000		113	50-142			
2-Chlorotoluene	0.0476	0.0050	mg/kg wet	0.05000		95	67-124			
4-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	71-126			
4-Isopropyltoluene	0.0465	0.0050	mg/kg wet	0.05000		93	68-129			
Acetone	0.106	0.050	mg/kg wet	0.1000		106	29-198			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0196 - 5035										
LCS (P6H0196-BS1)										
Prepared & Analyzed: 08/11/16										
Benzene	0.0478	0.0030	mg/kg wet	0.05000		96	74-127			
Bromobenzene	0.0477	0.0050	mg/kg wet	0.05000		95	73-125			
Bromochloromethane	0.0508	0.0050	mg/kg wet	0.05000		102	72-134			
Bromodichloromethane	0.0572	0.0050	mg/kg wet	0.05000		114	75-122			
Bromoform	0.0525	0.0050	mg/kg wet	0.05000		105	66-135			
Bromomethane	0.0449	0.010	mg/kg wet	0.05000		90	20-180			
Carbon Tetrachloride	0.0626	0.0050	mg/kg wet	0.05000		125	64-143			
Chlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	74-118			
Chloroethane	0.0530	0.010	mg/kg wet	0.05000		106	33-149			
Chloroform	0.0544	0.0050	mg/kg wet	0.05000		109	73-127			
Chloromethane	0.0390	0.0050	mg/kg wet	0.05000		78	45-143			
cis-1,2-Dichloroethylene	0.0534	0.0050	mg/kg wet	0.05000		107	76-134			
cis-1,3-Dichloropropylene	0.0513	0.0050	mg/kg wet	0.05000		103	71-125			
Dibromochloromethane	0.0544	0.0050	mg/kg wet	0.05000		109	73-122			
Dichlorodifluoromethane	0.0525	0.0050	mg/kg wet	0.05000		105	26-146			
Ethylbenzene	0.0493	0.0050	mg/kg wet	0.05000		99	74-128			
Isopropyl Ether	0.0428	0.0050	mg/kg wet	0.05000		86	59-159			
Isopropylbenzene (Cumene)	0.0470	0.0050	mg/kg wet	0.05000		94	68-126			
m,p-Xylenes	0.102	0.010	mg/kg wet	0.1000		102	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0488	0.050	mg/kg wet	0.05000		98	61-157			J
Methyl Ethyl Ketone (2-Butanone)	0.0476	0.10	mg/kg wet	0.05000		95	63-149			J
Methyl Isobutyl Ketone	0.0468	0.050	mg/kg wet	0.05000		94	57-162			J
Methylene Chloride	0.0488	0.0050	mg/kg wet	0.05000		98	74-129			
Methyl-tert-Butyl Ether	0.0512	0.010	mg/kg wet	0.05000		102	70-130			
Naphthalene	0.0422	0.010	mg/kg wet	0.05000		84	57-157			
n-Butylbenzene	0.0471	0.0050	mg/kg wet	0.05000		94	65-135			
n-Propylbenzene	0.0480	0.0050	mg/kg wet	0.05000		96	67-130			
o-Xylene	0.0514	0.0050	mg/kg wet	0.05000		103	74-126			
sec-Butylbenzene	0.0462	0.0050	mg/kg wet	0.05000		92	66-131			
Styrene	0.0493	0.0050	mg/kg wet	0.05000		99	77-121			
tert-Butylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	67-132			
Tetrachloroethylene	0.0501	0.0050	mg/kg wet	0.05000		100	68-130			
Toluene	0.0480	0.0050	mg/kg wet	0.05000		96	71-129			
trans-1,2-Dichloroethylene	0.0541	0.0050	mg/kg wet	0.05000		108	73-132			
trans-1,3-Dichloropropylene	0.0534	0.0050	mg/kg wet	0.05000		107	68-123			
Trichloroethylene	0.0500	0.0050	mg/kg wet	0.05000		100	75-133			
Trichlorofluoromethane	0.0628	0.0050	mg/kg wet	0.05000		126	44-146			
Vinyl acetate	0.0498	0.025	mg/kg wet	0.05000		100	85-161			
Vinyl chloride	0.0489	0.0050	mg/kg wet	0.05000		98	48-147			
Xylenes, total	0.154	0.015	mg/kg wet	0.1500		102	74-126			
Surrogate: 4-Bromofluorobenzene	49.9		ug/L	50.00		100	70-130			
Surrogate: Dibromofluoromethane	52.0		ug/L	50.00		104	84-123			
Surrogate: Toluene-d8	47.5		ug/L	50.00		95	76-129			

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Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0196 - 5035										
LCS Dup (P6H0196-BSD1)										
Prepared & Analyzed: 08/11/16										
1,1,1,2-Tetrachloroethane	0.0508	0.0050	mg/kg wet	0.05000		102	72-115	7	20	
1,1,1-Trichloroethane	0.0550	0.0050	mg/kg wet	0.05000		110	67-131	6	20	
1,1,2,2-Tetrachloroethane	0.0446	0.0050	mg/kg wet	0.05000		89	56-126	3	20	
1,1,2-Trichloroethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-133	0.3	20	
1,1-Dichloroethane	0.0494	0.0050	mg/kg wet	0.05000		99	74-127	3	20	
1,1-Dichloroethylene	0.0542	0.0050	mg/kg wet	0.05000		108	67-149	9	20	
1,1-Dichloropropylene	0.0498	0.0050	mg/kg wet	0.05000		100	71-130	5	20	
1,2,3-Trichlorobenzene	0.0479	0.0050	mg/kg wet	0.05000		96	68-130	4	20	
1,2,3-Trichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	60-137	3	20	
1,2,4-Trichlorobenzene	0.0462	0.0050	mg/kg wet	0.05000		92	66-125	2	20	
1,2,4-Trimethylbenzene	0.0443	0.0050	mg/kg wet	0.05000		89	69-129	5	20	
1,2-Dibromoethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-132	0.5	20	
1,2-Dichlorobenzene	0.0445	0.0050	mg/kg wet	0.05000		89	72-123	0.3	20	
1,2-Dichloroethane	0.0568	0.0050	mg/kg wet	0.05000		114	68-128	2	20	
1,2-Dichloropropane	0.0454	0.0050	mg/kg wet	0.05000		91	73-130	2	20	
1,3,5-Trimethylbenzene	0.0447	0.0050	mg/kg wet	0.05000		89	69-128	5	20	
1,3-Dichlorobenzene	0.0454	0.0050	mg/kg wet	0.05000		91	71-120	2	20	
1,3-Dichloropropane	0.0468	0.0050	mg/kg wet	0.05000		94	75-124	0.9	20	
1,4-Dichlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	71-123	2	20	
2,2-Dichloropropane	0.0528	0.0050	mg/kg wet	0.05000		106	50-142	7	20	
2-Chlorotoluene	0.0454	0.0050	mg/kg wet	0.05000		91	67-124	5	20	
4-Chlorotoluene	0.0466	0.0050	mg/kg wet	0.05000		93	71-126	4	20	
4-Isopropyltoluene	0.0436	0.0050	mg/kg wet	0.05000		87	68-129	6	20	
Acetone	0.113	0.050	mg/kg wet	0.1000		113	29-198	6	20	
Benzene	0.0456	0.0030	mg/kg wet	0.05000		91	74-127	5	20	
Bromobenzene	0.0455	0.0050	mg/kg wet	0.05000		91	73-125	5	20	
Bromochloromethane	0.0499	0.0050	mg/kg wet	0.05000		100	72-134	2	20	
Bromodichloromethane	0.0552	0.0050	mg/kg wet	0.05000		110	75-122	4	20	
Bromoform	0.0520	0.0050	mg/kg wet	0.05000		104	66-135	1	20	
Bromomethane	0.0459	0.010	mg/kg wet	0.05000		92	20-180	2	20	
Carbon Tetrachloride	0.0568	0.0050	mg/kg wet	0.05000		114	64-143	10	20	
Chlorobenzene	0.0457	0.0050	mg/kg wet	0.05000		91	74-118	4	20	
Chloroethane	0.0491	0.010	mg/kg wet	0.05000		98	33-149	8	20	
Chloroform	0.0516	0.0050	mg/kg wet	0.05000		103	73-127	5	20	
Chloromethane	0.0418	0.0050	mg/kg wet	0.05000		84	45-143	7	20	
cis-1,2-Dichloroethylene	0.0500	0.0050	mg/kg wet	0.05000		100	76-134	7	20	
cis-1,3-Dichloropropylene	0.0502	0.0050	mg/kg wet	0.05000		100	71-125	2	20	
Dibromochloromethane	0.0548	0.0050	mg/kg wet	0.05000		110	73-122	0.6	20	
Dichlorodifluoromethane	0.0496	0.0050	mg/kg wet	0.05000		99	26-146	6	20	
Ethylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	74-128	7	20	
Isopropyl Ether	0.0416	0.0050	mg/kg wet	0.05000		83	59-159	3	20	
Isopropylbenzene (Cumene)	0.0440	0.0050	mg/kg wet	0.05000		88	68-126	7	20	
m,p-Xylenes	0.0980	0.010	mg/kg wet	0.1000		98	75-124	4	20	
Methyl Butyl Ketone (2-Hexanone)	0.0511	0.050	mg/kg wet	0.05000		102	61-157	5	20	
Methyl Ethyl Ketone (2-Butanone)	0.0490	0.10	mg/kg wet	0.05000		98	63-149	3	20	J
Methyl Isobutyl Ketone	0.0486	0.050	mg/kg wet	0.05000		97	57-162	4	20	J

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Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0196 - 5035										
LCS Dup (P6H0196-BSD1)				Prepared & Analyzed: 08/11/16						
Methylene Chloride	0.0483	0.0050	mg/kg wet	0.05000		97	74-129	1	20	
Methyl-tert-Butyl Ether	0.0514	0.010	mg/kg wet	0.05000		103	70-130	0.4	20	
Naphthalene	0.0451	0.010	mg/kg wet	0.05000		90	57-157	7	20	
n-Butylbenzene	0.0446	0.0050	mg/kg wet	0.05000		89	65-135	5	20	
n-Propylbenzene	0.0454	0.0050	mg/kg wet	0.05000		91	67-130	6	20	
o-Xylene	0.0490	0.0050	mg/kg wet	0.05000		98	74-126	5	20	
sec-Butylbenzene	0.0436	0.0050	mg/kg wet	0.05000		87	66-131	6	20	
Styrene	0.0479	0.0050	mg/kg wet	0.05000		96	77-121	3	20	
tert-Butylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	67-132	4	20	
Tetrachloroethylene	0.0472	0.0050	mg/kg wet	0.05000		94	68-130	6	20	
Toluene	0.0453	0.0050	mg/kg wet	0.05000		91	71-129	6	20	
trans-1,2-Dichloroethylene	0.0496	0.0050	mg/kg wet	0.05000		99	73-132	9	20	
trans-1,3-Dichloropropylene	0.0519	0.0050	mg/kg wet	0.05000		104	68-123	3	20	
Trichloroethylene	0.0474	0.0050	mg/kg wet	0.05000		95	75-133	5	20	
Trichlorofluoromethane	0.0564	0.0050	mg/kg wet	0.05000		113	44-146	11	20	
Vinyl acetate	0.0494	0.025	mg/kg wet	0.05000		99	85-161	1	20	
Vinyl chloride	0.0450	0.0050	mg/kg wet	0.05000		90	48-147	8	20	
Xylenes, total	0.147	0.015	mg/kg wet	0.1500		98	74-126	4	20	
Surrogate: 4-Bromofluorobenzene	49.9		ug/L	50.00		100	70-130			
Surrogate: Dibromofluoromethane	52.1		ug/L	50.00		104	84-123			
Surrogate: Toluene-d8	47.5		ug/L	50.00		95	76-129			

Mid-Atlantic Associates, Inc. - Raleigh
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Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0147 - 3546										
Blank (P6H0147-BLK1)				Prepared: 08/09/16 Analyzed: 08/10/16						
1,2,4-Trichlorobenzene	BRL	0.33	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.33	mg/kg wet							
1-Methylnaphthalene	BRL	0.33	mg/kg wet							
2,4,6-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dimethylphenol	BRL	0.33	mg/kg wet							
2,4-Dinitrophenol	BRL	0.33	mg/kg wet							
2,4-Dinitrotoluene	BRL	0.33	mg/kg wet							
2,6-Dinitrotoluene	BRL	0.33	mg/kg wet							
2-Chloronaphthalene	BRL	0.33	mg/kg wet							
2-Chlorophenol	BRL	0.33	mg/kg wet							
2-Methylnaphthalene	BRL	0.33	mg/kg wet							
2-Methylphenol	BRL	0.33	mg/kg wet							
2-Nitrophenol	BRL	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	BRL	0.33	mg/kg wet							
3/4-Methylphenol	BRL	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Chloro-3-methylphenol	BRL	0.33	mg/kg wet							
4-Chloroaniline	BRL	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Nitrophenol	BRL	0.33	mg/kg wet							
Acenaphthene	BRL	0.33	mg/kg wet							
Acenaphthylene	BRL	0.33	mg/kg wet							
Anthracene	BRL	0.33	mg/kg wet							
Azobenzene	BRL	0.33	mg/kg wet							
Benzo(a)anthracene	BRL	0.33	mg/kg wet							
Benzo(a)pyrene	BRL	0.33	mg/kg wet							
Benzo(b)fluoranthene	BRL	0.33	mg/kg wet							
Benzo(g,h,i)perylene	BRL	0.33	mg/kg wet							
Benzo(k)fluoranthene	BRL	0.33	mg/kg wet							
Benzoic Acid	BRL	0.33	mg/kg wet							
Benzyl alcohol	BRL	0.33	mg/kg wet							
bis(2-Chloroethoxy)methane	BRL	0.33	mg/kg wet							
Bis(2-Chloroethyl)ether	BRL	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	0.33	mg/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	0.33	mg/kg wet							
Butyl benzyl phthalate	BRL	0.33	mg/kg wet							
Chrysene	BRL	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	BRL	0.33	mg/kg wet							
Dibenzofuran	BRL	0.33	mg/kg wet							
Diethyl phthalate	BRL	0.33	mg/kg wet							
Dimethyl phthalate	BRL	0.33	mg/kg wet							
Di-n-butyl phthalate	BRL	0.33	mg/kg wet							

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Prism Work Order: 6080128
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0147 - 3546										
Blank (P6H0147-BLK1)										
Prepared: 08/09/16 Analyzed: 08/10/16										
Di-n-octyl phthalate	BRL	0.33	mg/kg wet							
Fluoranthene	BRL	0.33	mg/kg wet							
Fluorene	BRL	0.33	mg/kg wet							
Hexachlorobenzene	BRL	0.33	mg/kg wet							
Hexachlorobutadiene	BRL	0.33	mg/kg wet							
Hexachlorocyclopentadiene	BRL	0.33	mg/kg wet							
Hexachloroethane	BRL	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	0.33	mg/kg wet							
Isophorone	BRL	0.33	mg/kg wet							
Naphthalene	BRL	0.33	mg/kg wet							
Nitrobenzene	BRL	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	BRL	0.33	mg/kg wet							
N-Nitrosodiphenylamine	BRL	0.33	mg/kg wet							
Pentachlorophenol	BRL	0.33	mg/kg wet							
Phenanthrene	BRL	0.33	mg/kg wet							
Phenol	BRL	0.33	mg/kg wet							
Pyrene	BRL	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.00		mg/kg wet	3.288		91	39-132			
Surrogate: 2-Fluorobiphenyl	1.29		mg/kg wet	1.644		78	44-115			
Surrogate: 2-Fluorophenol	2.77		mg/kg wet	3.288		84	35-115			
Surrogate: Nitrobenzene-d5	1.20		mg/kg wet	1.644		73	37-122			
Surrogate: Phenol-d5	2.84		mg/kg wet	3.288		86	34-121			
Surrogate: Terphenyl-d14	1.44		mg/kg wet	1.644		88	54-127			
LCS (P6H0147-BS1)										
Prepared: 08/09/16 Analyzed: 08/10/16										
1,2,4-Trichlorobenzene	1.06	0.33	mg/kg wet	1.644		64	34-118			
1,2-Dichlorobenzene	0.986	0.33	mg/kg wet	1.644		60	33-117			
1,3-Dichlorobenzene	0.977	0.33	mg/kg wet	1.644		59	30-115			
1,4-Dichlorobenzene	0.962	0.33	mg/kg wet	1.644		59	31-115			
1-Methylnaphthalene	1.12	0.33	mg/kg wet	1.644		68	40-119			
2,4,6-Trichlorophenol	1.32	0.33	mg/kg wet	1.644		80	39-126			
2,4-Dichlorophenol	1.24	0.33	mg/kg wet	1.644		76	40-122			
2,4-Dimethylphenol	1.26	0.33	mg/kg wet	1.644		77	30-127			
2,4-Dinitrophenol	1.00	0.33	mg/kg wet	1.644		61	27-129			
2,4-Dinitrotoluene	1.46	0.33	mg/kg wet	1.644		89	48-126			
2,6-Dinitrotoluene	1.32	0.33	mg/kg wet	1.644		81	46-124			
2-Chloronaphthalene	0.967	0.33	mg/kg wet	1.644		59	41-114			
2-Chlorophenol	1.09	0.33	mg/kg wet	1.644		67	34-121			
2-Methylnaphthalene	1.03	0.33	mg/kg wet	1.644		63	38-122			
2-Methylphenol	1.12	0.33	mg/kg wet	1.644		68	32-122			
2-Nitrophenol	1.09	0.33	mg/kg wet	1.644		67	36-123			
3,3'-Dichlorobenzidine	1.58	0.33	mg/kg wet	1.644		96	22-121			
3/4-Methylphenol	1.15	0.33	mg/kg wet	1.644		70	34-119			
4,6-Dinitro-2-methylphenol	1.38	0.33	mg/kg wet	1.644		84	29-132			
4-Bromophenyl phenyl ether	1.47	0.33	mg/kg wet	1.644		89	46-124			
4-Chloro-3-methylphenol	1.41	0.33	mg/kg wet	1.644		86	45-122			
4-Chloroaniline	1.11	0.33	mg/kg wet	1.644		67	17-106			

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Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0147 - 3546										
LCS (P6H0147-BS1)										
				Prepared: 08/09/16 Analyzed: 08/10/16						
4-Chlorophenyl phenyl ether	1.36	0.33	mg/kg wet	1.644		83	45-121			
4-Nitrophenol	1.54	0.33	mg/kg wet	1.644		94	30-132			
Acenaphthene	1.19	0.33	mg/kg wet	1.644		73	40-123			
Acenaphthylene	1.24	0.33	mg/kg wet	1.644		75	32-132			
Anthracene	1.50	0.33	mg/kg wet	1.644		91	47-123			
Azobenzene	1.40	0.33	mg/kg wet	1.644		85	39-125			
Benzo(a)anthracene	1.68	0.33	mg/kg wet	1.644		102	49-126			
Benzo(a)pyrene	1.74	0.33	mg/kg wet	1.644		106	45-129			
Benzo(b)fluoranthene	1.70	0.33	mg/kg wet	1.644		104	45-132			
Benzo(g,h,i)perylene	1.62	0.33	mg/kg wet	1.644		98	43-134			
Benzo(k)fluoranthene	1.68	0.33	mg/kg wet	1.644		102	47-132			
Benzoic Acid	0.858	0.33	mg/kg wet	1.644		52	10-83			
Benzyl alcohol	1.04	0.33	mg/kg wet	1.644		64	29-122			
bis(2-Chloroethoxy)methane	1.11	0.33	mg/kg wet	1.644		67	36-121			
Bis(2-Chloroethyl)ether	0.982	0.33	mg/kg wet	1.644		60	31-120			
Bis(2-chloroisopropyl)ether	0.978	0.33	mg/kg wet	1.644		60	33-131			
Bis(2-Ethylhexyl)phthalate	1.67	0.33	mg/kg wet	1.644		102	51-133			
Butyl benzyl phthalate	1.70	0.33	mg/kg wet	1.644		103	48-132			
Chrysene	1.59	0.33	mg/kg wet	1.644		97	50-124			
Dibenzo(a,h)anthracene	1.71	0.33	mg/kg wet	1.644		104	45-134			
Dibenzofuran	1.33	0.33	mg/kg wet	1.644		81	44-120			
Diethyl phthalate	1.46	0.33	mg/kg wet	1.644		89	50-124			
Dimethyl phthalate	1.39	0.33	mg/kg wet	1.644		85	48-124			
Di-n-butyl phthalate	1.59	0.33	mg/kg wet	1.644		97	51-128			
Di-n-octyl phthalate	1.82	0.33	mg/kg wet	1.644		111	45-140			
Fluoranthene	1.51	0.33	mg/kg wet	1.644		92	50-127			
Fluorene	1.34	0.33	mg/kg wet	1.644		82	43-125			
Hexachlorobenzene	1.60	0.33	mg/kg wet	1.644		97	45-122			
Hexachlorobutadiene	1.06	0.33	mg/kg wet	1.644		64	32-123			
Hexachlorocyclopentadiene	1.01	0.33	mg/kg wet	1.644		62	32-117			
Hexachloroethane	0.999	0.33	mg/kg wet	1.644		61	28-117			
Indeno(1,2,3-cd)pyrene	1.79	0.33	mg/kg wet	1.644		109	45-133			
Isophorone	1.08	0.33	mg/kg wet	1.644		66	30-122			
Naphthalene	1.03	0.33	mg/kg wet	1.644		63	35-123			
Nitrobenzene	0.995	0.33	mg/kg wet	1.644		61	34-122			
N-Nitroso-di-n-propylamine	1.06	0.33	mg/kg wet	1.644		65	36-120			
N-Nitrosodiphenylamine	1.51	0.33	mg/kg wet	1.644		92	38-127			
Pentachlorophenol	1.49	0.33	mg/kg wet	1.644		90	25-133			
Phenanthrene	1.48	0.33	mg/kg wet	1.644		90	50-121			
Phenol	1.12	0.33	mg/kg wet	1.644		68	34-121			
Pyrene	1.63	0.33	mg/kg wet	1.644		99	47-127			
Surrogate: 2,4,6-Tribromophenol	3.01		mg/kg wet	3.287		91	39-132			
Surrogate: 2-Fluorobiphenyl	1.18		mg/kg wet	1.644		72	44-115			
Surrogate: 2-Fluorophenol	2.31		mg/kg wet	3.287		70	35-115			
Surrogate: Nitrobenzene-d5	1.05		mg/kg wet	1.644		64	37-122			
Surrogate: Phenol-d5	2.31		mg/kg wet	3.287		70	34-121			

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Prism Work Order: 6080128
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0147 - 3546										
LCS (P6H0147-BS1)										
					Prepared: 08/09/16 Analyzed: 08/10/16					
Surrogate: Terphenyl-d14	1.41		mg/kg wet	1.644		86	54-127			
LCS Dup (P6H0147-BSD1)										
					Prepared: 08/09/16 Analyzed: 08/10/16					
1,2,4-Trichlorobenzene	1.06	0.33	mg/kg wet	1.664		63	34-118	0.06	20	
1,2-Dichlorobenzene	1.03	0.33	mg/kg wet	1.664		62	33-117	4	20	
1,3-Dichlorobenzene	1.01	0.33	mg/kg wet	1.664		61	30-115	3	20	
1,4-Dichlorobenzene	1.04	0.33	mg/kg wet	1.664		62	31-115	7	20	
1-Methylnaphthalene	1.20	0.33	mg/kg wet	1.664		72	40-119	7	20	
2,4,6-Trichlorophenol	1.38	0.33	mg/kg wet	1.664		83	39-126	4	20	
2,4-Dichlorophenol	1.36	0.33	mg/kg wet	1.664		81	40-122	9	20	
2,4-Dimethylphenol	1.36	0.33	mg/kg wet	1.664		82	30-127	8	20	
2,4-Dinitrophenol	1.27	0.33	mg/kg wet	1.664		76	27-129	23	20	D
2,4-Dinitrotoluene	1.46	0.33	mg/kg wet	1.664		88	48-126	0.04	20	
2,6-Dinitrotoluene	1.34	0.33	mg/kg wet	1.664		80	46-124	1	20	
2-Chloronaphthalene	1.08	0.33	mg/kg wet	1.664		65	41-114	11	20	
2-Chlorophenol	1.17	0.33	mg/kg wet	1.664		71	34-121	7	20	
2-Methylnaphthalene	1.13	0.33	mg/kg wet	1.664		68	38-122	9	20	
2-Methylphenol	1.21	0.33	mg/kg wet	1.664		73	32-122	8	20	
2-Nitrophenol	1.16	0.33	mg/kg wet	1.664		70	36-123	6	20	
3,3'-Dichlorobenzidine	1.56	0.33	mg/kg wet	1.664		94	22-121	1	20	
3/4-Methylphenol	1.23	0.33	mg/kg wet	1.664		74	34-119	7	20	
4,6-Dinitro-2-methylphenol	1.45	0.33	mg/kg wet	1.664		87	29-132	5	20	
4-Bromophenyl phenyl ether	1.42	0.33	mg/kg wet	1.664		85	46-124	3	20	
4-Chloro-3-methylphenol	1.50	0.33	mg/kg wet	1.664		90	45-122	6	20	
4-Chloroaniline	1.19	0.33	mg/kg wet	1.664		72	17-106	7	20	
4-Chlorophenyl phenyl ether	1.39	0.33	mg/kg wet	1.664		83	45-121	2	20	
4-Nitrophenol	1.52	0.33	mg/kg wet	1.664		91	30-132	1	20	
Acenaphthene	1.29	0.33	mg/kg wet	1.664		77	40-123	8	20	
Acenaphthylene	1.36	0.33	mg/kg wet	1.664		81	32-132	9	20	
Anthracene	1.52	0.33	mg/kg wet	1.664		91	47-123	1	20	
Azobenzene	1.43	0.33	mg/kg wet	1.664		86	39-125	2	20	
Benzo(a)anthracene	1.57	0.33	mg/kg wet	1.664		94	49-126	7	20	
Benzo(a)pyrene	1.63	0.33	mg/kg wet	1.664		98	45-129	7	20	
Benzo(b)fluoranthene	1.64	0.33	mg/kg wet	1.664		98	45-132	4	20	
Benzo(g,h,i)perylene	1.54	0.33	mg/kg wet	1.664		93	43-134	5	20	
Benzo(k)fluoranthene	1.59	0.33	mg/kg wet	1.664		95	47-132	6	20	
Benzoic Acid	1.04	0.33	mg/kg wet	1.664		62	10-83	19	20	
Benzyl alcohol	1.12	0.33	mg/kg wet	1.664		67	29-122	7	20	
bis(2-Chloroethoxy)methane	1.17	0.33	mg/kg wet	1.664		70	36-121	5	20	
Bis(2-Chloroethyl)ether	1.02	0.33	mg/kg wet	1.664		61	31-120	4	20	
Bis(2-chloroisopropyl)ether	1.05	0.33	mg/kg wet	1.664		63	33-131	7	20	
Bis(2-Ethylhexyl)phthalate	1.60	0.33	mg/kg wet	1.664		96	51-133	5	20	
Butyl benzyl phthalate	1.63	0.33	mg/kg wet	1.664		98	48-132	4	20	
Chrysene	1.61	0.33	mg/kg wet	1.664		97	50-124	1	20	
Dibenzo(a,h)anthracene	1.62	0.33	mg/kg wet	1.664		97	45-134	5	20	
Dibenzofuran	1.39	0.33	mg/kg wet	1.664		83	44-120	4	20	
Diethyl phthalate	1.45	0.33	mg/kg wet	1.664		87	50-124	0.8	20	

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Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0147 - 3546										
LCS Dup (P6H0147-BSD1)				Prepared: 08/09/16 Analyzed: 08/10/16						
Dimethyl phthalate	1.40	0.33	mg/kg wet	1.664		84	48-124	0.5	20	
Di-n-butyl phthalate	1.60	0.33	mg/kg wet	1.664		96	51-128	0.8	20	
Di-n-octyl phthalate	1.72	0.33	mg/kg wet	1.664		103	45-140	6	20	
Fluoranthene	1.51	0.33	mg/kg wet	1.664		90	50-127	0.5	20	
Fluorene	1.38	0.33	mg/kg wet	1.664		83	43-125	3	20	
Hexachlorobenzene	1.58	0.33	mg/kg wet	1.664		95	45-122	1	20	
Hexachlorobutadiene	1.05	0.33	mg/kg wet	1.664		63	32-123	0.7	20	
Hexachlorocyclopentadiene	1.06	0.33	mg/kg wet	1.664		64	32-117	5	20	
Hexachloroethane	1.05	0.33	mg/kg wet	1.664		63	28-117	5	20	
Indeno(1,2,3-cd)pyrene	1.69	0.33	mg/kg wet	1.664		102	45-133	6	20	
Isophorone	1.16	0.33	mg/kg wet	1.664		70	30-122	7	20	
Naphthalene	1.10	0.33	mg/kg wet	1.664		66	35-123	7	20	
Nitrobenzene	1.05	0.33	mg/kg wet	1.664		63	34-122	6	20	
N-Nitroso-di-n-propylamine	1.16	0.33	mg/kg wet	1.664		70	36-120	9	20	
N-Nitrosodiphenylamine	1.51	0.33	mg/kg wet	1.664		91	38-127	0.08	20	
Pentachlorophenol	1.48	0.33	mg/kg wet	1.664		89	25-133	0.6	20	
Phenanthrene	1.49	0.33	mg/kg wet	1.664		89	50-121	0.9	20	
Phenol	1.22	0.33	mg/kg wet	1.664		73	34-121	8	20	
Pyrene	1.57	0.33	mg/kg wet	1.664		95	47-127	3	20	
Surrogate: 2,4,6-Tribromophenol	3.01		mg/kg wet	3.328		90	39-132			
Surrogate: 2-Fluorobiphenyl	1.26		mg/kg wet	1.664		76	44-115			
Surrogate: 2-Fluorophenol	2.49		mg/kg wet	3.328		75	35-115			
Surrogate: Nitrobenzene-d5	1.09		mg/kg wet	1.664		66	37-122			
Surrogate: Phenol-d5	2.48		mg/kg wet	3.328		75	34-121			
Surrogate: Terphenyl-d14	1.35		mg/kg wet	1.664		81	54-127			



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0159 - 3050B										
Blank (P6H0159-BLK1)										
Prepared & Analyzed: 08/09/16										
Arsenic	BRL	0.25	mg/kg wet							
Barium	BRL	0.50	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Chromium	BRL	0.25	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							
Selenium	BRL	0.50	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
LCS (P6H0159-BS1)										
Prepared & Analyzed: 08/09/16										
Arsenic	24.5	0.25	mg/kg wet	25.00		98	80-120			
Barium	25.4	0.50	mg/kg wet	25.00		102	80-120			
Cadmium	24.5	0.25	mg/kg wet	25.00		98	80-120			
Chromium	25.2	0.25	mg/kg wet	25.00		101	80-120			
Lead	24.5	0.25	mg/kg wet	25.00		98	80-120			
Selenium	23.8	0.50	mg/kg wet	25.00		95	80-120			
Silver	10.1	0.25	mg/kg wet	10.00		101	80-120			
Matrix Spike (P6H0159-MS1)										
Source: 6080128-01 Prepared & Analyzed: 08/09/16										
Arsenic	34.3	0.31	mg/kg dry	31.40	4.86	94	75-125			
Barium	3.14E10	0.63	mg/kg dry	31.40	131	NR	75-125			MC
Cadmium	28.3	0.31	mg/kg dry	31.40	0.0140	90	75-125			
Chromium	34.6	0.31	mg/kg dry	31.40	3.66	98	75-125			
Lead	33.8	0.31	mg/kg dry	31.40	5.42	90	75-125			
Selenium	30.3	0.63	mg/kg dry	31.40	0.962	93	75-125			
Silver	12.5	0.31	mg/kg dry	12.56	BRL	100	75-125			
Matrix Spike Dup (P6H0159-MSD1)										
Source: 6080128-01 Prepared & Analyzed: 08/09/16										
Arsenic	31.4	0.31	mg/kg dry	30.94	4.86	86	75-125	9	20	
Barium	3.09E10	0.62	mg/kg dry	30.94	131	NR	75-125	1	20	MC
Cadmium	26.9	0.31	mg/kg dry	30.94	0.0140	87	75-125	5	20	
Chromium	31.0	0.31	mg/kg dry	30.94	3.66	88	75-125	11	20	
Lead	29.4	0.31	mg/kg dry	30.94	5.42	78	75-125	14	20	
Selenium	28.5	0.62	mg/kg dry	30.94	0.962	89	75-125	6	20	
Silver	11.5	0.31	mg/kg dry	12.37	BRL	93	75-125	8	20	



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080128
Time Submitted: 8/5/2016 5:15:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0159 - 3050B										
Post Spike (P6H0159-PS1)		Source: 6080128-01		Prepared & Analyzed: 08/09/16						
Arsenic	1.03		mg/L	1.000	0.156	87	80-120			MC
Barium	4.80		mg/L	1.000	4.18	62	80-120			
Cadmium	0.860		mg/L	1.000	0.000448	86	80-120			
Chromium	0.989		mg/L	1.000	0.117	87	80-120			
Lead	1.02		mg/L	1.000	0.174	85	80-120			
Selenium	0.902		mg/L	1.000	0.0308	87	80-120			
Silver	0.369		mg/L	0.4000	-0.00281	92	80-120			
Batch P6H0163 - 7471B										
Blank (P6H0163-BLK1)		Prepared: 08/10/16 Analyzed: 08/11/16								
Mercury	BRL	0.020	mg/kg wet							
LCS (P6H0163-BS1)		Prepared: 08/10/16 Analyzed: 08/11/16								
Mercury	0.427	0.020	mg/kg wet	0.4167		102	80-120			
Matrix Spike (P6H0163-MS1)		Source: 6080128-01		Prepared: 08/10/16 Analyzed: 08/11/16						
Mercury	0.581	0.023	mg/kg dry	0.4882	BRL	119	80-120			
Matrix Spike Dup (P6H0163-MSD1)		Source: 6080128-01		Prepared: 08/10/16 Analyzed: 08/11/16						
Mercury	0.588	0.025	mg/kg dry	0.5122	BRL	115	80-120	1	20	

Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
6080128-01	P6H0172	30 g	30 g	08/09/16 16:16
6080128-02	P6H0172	30 g	30 g	08/09/16 16:16
6080128-03	P6H0172	30 g	30 g	08/09/16 16:16
6080128-04	P6H0172	30 g	30 g	08/09/16 16:16
6080128-05	P6H0172	30 g	30 g	08/09/16 16:16
6080128-06	P6H0172	30 g	30 g	08/09/16 16:16
6080128-07	P6H0223	30 g	30 g	08/11/16 15:22

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
6080128-01	P6H0147	30.15 g	1 mL	08/09/16 12:00
6080128-02	P6H0147	30.34 g	5 mL	08/09/16 12:00
6080128-03	P6H0147	30.57 g	5 mL	08/09/16 12:00
6080128-04	P6H0147	30.29 g	5 mL	08/09/16 12:00
6080128-05	P6H0147	30.19 g	5 mL	08/09/16 12:00
6080128-06	P6H0147	30.13 g	5 mL	08/09/16 12:00
6080128-07	P6H0147	10.03 g	5 mL	08/10/16 11:30

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
6080128-01	P6H0159	1.97 g	50 mL	08/09/16 9:25
6080128-02	P6H0159	1.97 g	50 mL	08/09/16 9:25
6080128-03	P6H0159	1.97 g	50 mL	08/09/16 9:25
6080128-04	P6H0159	2 g	50 mL	08/09/16 9:25
6080128-05	P6H0159	2.02 g	50 mL	08/09/16 9:25
6080128-06	P6H0159	1.98 g	50 mL	08/09/16 9:25
6080128-06	P6H0159	1.98 g	50 mL	08/09/16 9:25
6080128-07	P6H0159	2.03 g	50 mL	08/09/16 9:25

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
6080128-01	P6H0163	0.62 g	50 mL	08/10/16 8:45
6080128-02	P6H0163	0.62 g	50 mL	08/10/16 8:45
6080128-03	P6H0163	0.56 g	50 mL	08/10/16 8:45
6080128-04	P6H0163	0.58 g	50 mL	08/10/16 8:45
6080128-05	P6H0163	0.58 g	50 mL	08/10/16 8:45
6080128-06	P6H0163	0.63 g	50 mL	08/10/16 8:45
6080128-07	P6H0163	0.65 g	50 mL	08/10/16 8:45

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
6080128-01	P6H0156	3.48 g	5 mL	08/09/16 13:02
6080128-02	P6H0156	3.1 g	5 mL	08/09/16 13:02
6080128-03	P6H0188	6.39 g	5 mL	08/10/16 10:06
6080128-04	P6H0156	2.9 g	5 mL	08/09/16 13:02
6080128-05	P6H0196	4.56 g	5 mL	08/11/16 9:49
6080128-06	P6H0156	3.82 g	5 mL	08/09/16 13:02
6080128-07	P6H0196	3.94 g	5 mL	08/11/16 9:49

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CHAIN OF CUSTODY RECORD

LAB USE ONLY

Client Company Name: Med-Mark Assoc

Report To/Contact Name: Kelly Shuman

Reporting Address: 401 Ruff Road

Phone: 919-279-4118 Fax (Yes) (No):

Email Address: KShuman@med-mark.com

EDD Type: PDF ☒ Excel ☒ Other ☐

Site Location Name: Tanner Glen Quarry

Site Location Physical Address: Kinston, NC

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: 100174055

Project Name: Tanner Glen Quarry UST Project: (Yes) (NO) NO

Short Hold Analysis: (Yes) (No) NO

*Please ATTACH any project specific reporting (QC LEVEL I III IV) provisions and/or QC Requirements

Invoice To:

Address:

Purchase Order No./Billing Reference

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC DOD FL NC X

Water Chlorinated: YES NO OTHER N/A

Sample Iced Upon Collection: YES X NO

Samples INTACT upon arrival?	YES	NO	N/A
Received ON WET ICE?	☒	☐	☐
PROPER PRESERVATIVES indicated?	☒	☐	☐
Received WITHIN HOLDING TIMES?	☒	☐	☐
CUSTODY SEALS INTACT?	☒	☐	☐
VOLATILES rec'd W/OUT HEADSPACE?	☒	☐	☐
PROPER CONTAINERS used?	☒	☐	☐
TEMP: Therm ID: <u>161-11</u> Observed: <u>4.0</u> °C / Cor: <u>3.4</u> °C			

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSIS REQUESTED	REMARKS	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
SB-1	8/3/2016	1430	Soil		6			8260		01
SB-2		1455						8270		02
SB-3		1500						6010		03
SB-4		1435						6010		04
SB-5		1440						6010		05
SB-6		1450						6010		06
Duplicate		1445						6010		07

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature: Kelly Shuman Sampled By (Print Name) Kelly Shuman Affiliation MAA

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Custody Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By (Signature) Janeey Ogusby Received By (Signature) Kelly Shuman Date 8/5/16 Military/Hours 1130

Relinquished By (Signature) Janeey Ogusby Received By (Signature) Kelly Shuman Date 8-5-16 Military/Hours 1445

Relinquished By (Signature) Janeey Ogusby Received By (Signature) Kelly Shuman Date 8-5-16 Military/Hours 1715

Relinquished By (Signature) Janeey Ogusby Received By (Signature) Kelly Shuman Date 8-5-16 Military/Hours 1715

Relinquished By (Signature) Janeey Ogusby Received By (Signature) Kelly Shuman Date 8-5-16 Military/Hours 1715

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

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Additional Comments:

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

08/12/2016

Mid-Atlantic Associates, Inc. - Raleigh
Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Lab Submittal Date: 08/05/2016

Prism Work Order: 6080127

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.



Angela D. Overcash

VP Laboratory Services



Reviewed By Terri W. Cole For Angela D. Overcash

Project Manager

Data Qualifiers Key Reference:

A	average response outside range. ccv within range.
Aa	Probable lab contaminant.
Ab	response factor is outside established range. ccv result is above range . analyte not detected in sample.
CCV	CCV result is above the control limits. Analyte not detected in the sample. No further action taken.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-1	6080127-01	Water	08/04/16	08/05/16
MW-2	6080127-02	Water	08/04/16	08/05/16
MW-3	6080127-03	Water	08/04/16	08/05/16
MW-4	6080127-04	Water	08/04/16	08/05/16
MW-5	6080127-05	Water	08/04/16	08/05/16
MW-6	6080127-06	Water	08/04/16	08/05/16
Duplicate	6080127-07	Water	08/04/16	08/05/16
Trip Blank	6080127-08	Water	08/04/16	08/05/16
Equipment Rinse	6080127-09	Water	08/04/16	08/05/16

Samples were received in good condition at 3.6 degrees C unless otherwise noted.

Prism ID	Client ID	Parameter	Method	Result		Units
6080127-02	MW-2	m,p-Xylenes	8260B	0.59	J	ug/L
6080127-03	MW-3	m,p-Xylenes	8260B	0.74	J	ug/L
6080127-04	MW-4	Diethyl phthalate	8270D	4.2	J	ug/L
6080127-04	MW-4	Acetone	8260B	19		ug/L
6080127-04	MW-4	Chloroform	8260B	4.8		ug/L
6080127-04	MW-4	m,p-Xylenes	8260B	0.65	J	ug/L
6080127-04	MW-4	Methyl Ethyl Ketone (2-Butanone)	8260B	0.57	J	ug/L
6080127-04	MW-4	Methyl Isobutyl Ketone	8260B	7.0		ug/L
6080127-04	MW-4	Naphthalene	8260B	0.86	J	ug/L
6080127-04	MW-4	Toluene	8260B	0.57		ug/L
6080127-05	MW-5	m,p-Xylenes	8260B	0.57	J	ug/L
6080127-06	MW-6	Chloroform	8260B	1.1		ug/L
6080127-07	Duplicate	m,p-Xylenes	8260B	0.56	J	ug/L
6080127-08	Trip Blank	Chloroform	8260B	0.52		ug/L

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-1
Prism Sample ID: 6080127-01
Prism Work Order: 6080127
Time Collected: 08/04/16 16:20
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 16:47	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 16:47	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 16:47	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 16:47	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 16:47	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 16:47	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 16:47	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 16:47	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 16:47	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 16:47	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 16:47	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 16:47	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-1
Prism Sample ID: 6080127-01
Prism Work Order: 6080127
Time Collected: 08/04/16 16:20
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 16:47	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 16:47	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 16:47	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 16:47	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 16:47	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 16:47	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 16:47	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 16:47	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 16:47	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 16:47	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 16:47	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 16:47	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 16:47	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 16:47	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 16:47	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 16:47	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	80 %	43-140
2-Fluorobiphenyl	70 %	44-119
2-Fluorophenol	40 %	19-119
Nitrobenzene-d5	67 %	44-120
Phenol-d5	27 %	11-52
Terphenyl-d14	69 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 0:10	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 0:10	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-1
Prism Sample ID: 6080127-01
Prism Work Order: 6080127
Time Collected: 08/04/16 16:20
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:10	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 0:10	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:10	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:10	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 0:10	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:10	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 0:10	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:10	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:10	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 0:10	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 0:10	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 0:10	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 0:10	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 0:10	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 0:10	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 0:10	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:10	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 0:10	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 0:10	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 0:10	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 0:10	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:10	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 0:10	KDM	P6H0182
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:10	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 0:10	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 0:10	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 0:10	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 0:10	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 0:10	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 0:10	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 0:10	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 0:10	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:10	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:10	KDM	P6H0182
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	8/11/16 0:10	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 0:10	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 0:10	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 0:10	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-1
Prism Sample ID: 6080127-01
Prism Work Order: 6080127
Time Collected: 08/04/16 16:20
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 0:10	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 0:10	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 0:10	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 0:10	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 0:10	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 0:10	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:10	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 0:10	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 0:10	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 0:10	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 0:10	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 0:10	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 0:10	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 0:10	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:10	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 0:10	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 0:10	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	80-124
Dibromofluoromethane	96 %	75-129
Toluene-d8	93 %	77-123

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 6080127-02
Prism Work Order: 6080127
Time Collected: 08/04/16 16:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:09	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:09	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:09	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 17:09	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:09	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:09	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 17:09	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 17:09	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:09	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:09	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:09	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 17:09	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 6080127-02
Prism Work Order: 6080127
Time Collected: 08/04/16 16:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:09	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:09	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:09	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 17:09	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:09	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:09	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 17:09	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 17:09	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:09	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:09	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 17:09	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:09	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:09	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:09	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 17:09	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:09	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	83 %	43-140
2-Fluorobiphenyl	71 %	44-119
2-Fluorophenol	39 %	19-119
Nitrobenzene-d5	65 %	44-120
Phenol-d5	27 %	11-52
Terphenyl-d14	72 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 0:35	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 0:35	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 6080127-02
Prism Work Order: 6080127
Time Collected: 08/04/16 16:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:35	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 0:35	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:35	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:35	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 0:35	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:35	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 0:35	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 0:35	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:35	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 0:35	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 0:35	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 0:35	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 0:35	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 0:35	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 0:35	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 0:35	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:35	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 0:35	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 0:35	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 0:35	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 0:35	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:35	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 0:35	KDM	P6H0182
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:35	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 0:35	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 0:35	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 0:35	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 0:35	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 0:35	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 0:35	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 0:35	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 0:35	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 0:35	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 0:35	KDM	P6H0182
m,p-Xylenes	0.59 J	ug/L	1.0	0.12	1	8260B	8/11/16 0:35	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 0:35	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 0:35	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 0:35	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 6080127-02
Prism Work Order: 6080127
Time Collected: 08/04/16 16:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 0:35	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 0:35	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 0:35	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 0:35	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 0:35	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 0:35	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 0:35	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 0:35	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 0:35	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 0:35	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 0:35	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 0:35	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 0:35	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 0:35	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 0:35	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 0:35	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 0:35	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	103 %	80-124
Dibromofluoromethane	97 %	75-129
Toluene-d8	95 %	77-123



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 6080127-03
Prism Work Order: 6080127
Time Collected: 08/04/16 15:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:31	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:31	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:31	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 17:31	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:31	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:31	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 17:31	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 17:31	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:31	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:31	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:31	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 17:31	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 6080127-03
Prism Work Order: 6080127
Time Collected: 08/04/16 15:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:31	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:31	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:31	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 17:31	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:31	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:31	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 17:31	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 17:31	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:31	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:31	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 17:31	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:31	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:31	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:31	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 17:31	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:31	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	81 %	43-140
2-Fluorobiphenyl	69 %	44-119
2-Fluorophenol	39 %	19-119
Nitrobenzene-d5	67 %	44-120
Phenol-d5	27 %	11-52
Terphenyl-d14	73 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 1:01	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 1:01	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 6080127-03
Prism Work Order: 6080127
Time Collected: 08/04/16 15:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:01	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:01	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:01	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:01	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 1:01	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:01	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 1:01	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:01	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:01	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 1:01	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 1:01	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:01	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:01	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 1:01	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 1:01	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 1:01	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:01	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 1:01	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 1:01	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 1:01	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 1:01	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:01	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 1:01	KDM	P6H0182
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:01	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:01	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 1:01	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:01	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 1:01	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 1:01	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 1:01	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:01	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 1:01	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:01	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:01	KDM	P6H0182
m,p-Xylenes	0.74 J	ug/L	1.0	0.12	1	8260B	8/11/16 1:01	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 1:01	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 1:01	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 1:01	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 6080127-03
Prism Work Order: 6080127
Time Collected: 08/04/16 15:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 1:01	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 1:01	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 1:01	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 1:01	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 1:01	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 1:01	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:01	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 1:01	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 1:01	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 1:01	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 1:01	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 1:01	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 1:01	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 1:01	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:01	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 1:01	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 1:01	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	101 %	80-124
Dibromofluoromethane	96 %	75-129
Toluene-d8	93 %	77-123



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 6080127-04
Prism Work Order: 6080127
Time Collected: 08/04/16 16:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:54	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:54	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:54	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 17:54	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:54	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:54	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 17:54	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 17:54	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:54	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:54	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:54	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 17:54	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 6080127-04
Prism Work Order: 6080127
Time Collected: 08/04/16 16:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 17:54	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:54	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 17:54	JMV	P6H0164
Diethyl phthalate	4.2 J	ug/L	10	3.3	1	8270D	8/10/16 17:54	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 17:54	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 17:54	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 17:54	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 17:54	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:54	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 17:54	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 17:54	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 17:54	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 17:54	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 17:54	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 17:54	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 17:54	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	67 %	43-140
2-Fluorobiphenyl	62 %	44-119
2-Fluorophenol	39 %	19-119
Nitrobenzene-d5	60 %	44-120
Phenol-d5	25 %	11-52
Terphenyl-d14	59 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 1:27	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 1:27	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 6080127-04
Prism Work Order: 6080127
Time Collected: 08/04/16 16:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:27	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:27	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:27	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:27	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 1:27	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:27	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 1:27	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:27	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:27	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 1:27	KDM	P6H0182
Acetone	19	ug/L	5.0	0.31	1	8260B	8/11/16 1:27	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:27	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:27	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 1:27	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 1:27	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 1:27	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:27	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 1:27	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 1:27	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 1:27	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 1:27	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:27	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 1:27	KDM	P6H0182
Chloroform	4.8	ug/L	0.50	0.076	1	8260B	8/11/16 1:27	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:27	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 1:27	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:27	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 1:27	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 1:27	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 1:27	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:27	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 1:27	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:27	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:27	KDM	P6H0182
m,p-Xylenes	0.65 J	ug/L	1.0	0.12	1	8260B	8/11/16 1:27	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 1:27	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	0.57 J	ug/L	5.0	0.24	1	8260B	8/11/16 1:27	KDM	P6H0182
Methyl Isobutyl Ketone	7.0	ug/L	5.0	0.078	1	8260B	8/11/16 1:27	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 6080127-04
Prism Work Order: 6080127
Time Collected: 08/04/16 16:45
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 1:27	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 1:27	KDM	P6H0182
Naphthalene	0.86 J	ug/L	1.0	0.19	1	8260B	8/11/16 1:27	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 1:27	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 1:27	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 1:27	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:27	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 1:27	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 1:27	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 1:27	KDM	P6H0182
Toluene	0.57	ug/L	0.50	0.044	1	8260B	8/11/16 1:27	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 1:27	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 1:27	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 1:27	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:27	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 1:27	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 1:27	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	104 %	80-124
Dibromofluoromethane	97 %	75-129
Toluene-d8	94 %	77-123

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-5
Prism Sample ID: 6080127-05
Prism Work Order: 6080127
Time Collected: 08/04/16 15:15
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 18:16	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 18:16	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 18:16	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 18:16	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 18:16	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 18:16	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 18:16	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 18:16	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 18:16	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 18:16	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 18:16	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 18:16	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-5
Prism Sample ID: 6080127-05
Prism Work Order: 6080127
Time Collected: 08/04/16 15:15
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 18:16	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 18:16	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 18:16	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 18:16	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 18:16	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 18:16	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 18:16	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 18:16	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 18:16	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 18:16	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 18:16	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 18:16	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 18:16	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 18:16	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 18:16	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 18:16	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	83 %	43-140
2-Fluorobiphenyl	73 %	44-119
2-Fluorophenol	41 %	19-119
Nitrobenzene-d5	68 %	44-120
Phenol-d5	29 %	11-52
Terphenyl-d14	74 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 1:52	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 1:52	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-5
Prism Sample ID: 6080127-05
Prism Work Order: 6080127
Time Collected: 08/04/16 15:15
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:52	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 1:52	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:52	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:52	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 1:52	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:52	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 1:52	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 1:52	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:52	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 1:52	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 1:52	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:52	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 1:52	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 1:52	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 1:52	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 1:52	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:52	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 1:52	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 1:52	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 1:52	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 1:52	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:52	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 1:52	KDM	P6H0182
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:52	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:52	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 1:52	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 1:52	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 1:52	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 1:52	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 1:52	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 1:52	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 1:52	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 1:52	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 1:52	KDM	P6H0182
m,p-Xylenes	0.57 J	ug/L	1.0	0.12	1	8260B	8/11/16 1:52	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 1:52	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 1:52	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 1:52	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-5
Prism Sample ID: 6080127-05
Prism Work Order: 6080127
Time Collected: 08/04/16 15:15
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 1:52	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 1:52	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 1:52	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 1:52	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 1:52	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 1:52	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 1:52	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 1:52	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 1:52	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 1:52	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 1:52	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 1:52	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 1:52	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 1:52	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 1:52	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 1:52	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 1:52	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	103 %	80-124
Dibromofluoromethane	98 %	75-129
Toluene-d8	94 %	77-123



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-6
Prism Sample ID: 6080127-06
Prism Work Order: 6080127
Time Collected: 08/04/16 17:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:06	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:06	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:06	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 20:06	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:06	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:06	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 20:06	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 20:06	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:06	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:06	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:06	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 20:06	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-6
Prism Sample ID: 6080127-06
Prism Work Order: 6080127
Time Collected: 08/04/16 17:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:06	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:06	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:06	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 20:06	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:06	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:06	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 20:06	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 20:06	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:06	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:06	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 20:06	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:06	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:06	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:06	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 20:06	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:06	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	88 %	43-140
2-Fluorobiphenyl	71 %	44-119
2-Fluorophenol	46 %	19-119
Nitrobenzene-d5	70 %	44-120
Phenol-d5	30 %	11-52
Terphenyl-d14	76 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 2:18	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 2:18	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-6
Prism Sample ID: 6080127-06
Prism Work Order: 6080127
Time Collected: 08/04/16 17:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:18	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 2:18	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:18	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:18	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 2:18	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:18	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 2:18	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:18	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:18	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 2:18	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 2:18	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 2:18	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 2:18	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 2:18	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 2:18	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 2:18	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:18	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 2:18	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 2:18	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 2:18	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 2:18	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:18	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 2:18	KDM	P6H0182
Chloroform	1.1	ug/L	0.50	0.076	1	8260B	8/11/16 2:18	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 2:18	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 2:18	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 2:18	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 2:18	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 2:18	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 2:18	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 2:18	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 2:18	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:18	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:18	KDM	P6H0182
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	8/11/16 2:18	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 2:18	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 2:18	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 2:18	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: MW-6
Prism Sample ID: 6080127-06
Prism Work Order: 6080127
Time Collected: 08/04/16 17:30
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 2:18	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 2:18	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 2:18	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 2:18	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 2:18	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 2:18	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:18	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 2:18	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 2:18	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 2:18	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 2:18	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 2:18	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 2:18	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 2:18	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:18	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 2:18	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 2:18	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	104 %	80-124
Dibromofluoromethane	101 %	75-129
Toluene-d8	95 %	77-123



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Duplicate
Prism Sample ID: 6080127-07
Prism Work Order: 6080127
Time Collected: 08/04/16 16:10
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:28	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:28	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:28	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 20:28	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:28	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:28	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 20:28	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 20:28	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:28	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:28	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:28	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 20:28	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Duplicate
Prism Sample ID: 6080127-07
Prism Work Order: 6080127
Time Collected: 08/04/16 16:10
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:28	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:28	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:28	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 20:28	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:28	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:28	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 20:28	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 20:28	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:28	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:28	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 20:28	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:28	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:28	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:28	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 20:28	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:28	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	62 %	43-140
2-Fluorobiphenyl	57 %	44-119
2-Fluorophenol	33 %	19-119
Nitrobenzene-d5	55 %	44-120
Phenol-d5	22 %	11-52
Terphenyl-d14	52 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/11/16 2:44	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/11/16 2:44	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Duplicate
Prism Sample ID: 6080127-07
Prism Work Order: 6080127
Time Collected: 08/04/16 16:10
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:44	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/11/16 2:44	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:44	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:44	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/11/16 2:44	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:44	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/11/16 2:44	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/11/16 2:44	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:44	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/11/16 2:44	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/11/16 2:44	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/11/16 2:44	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/11/16 2:44	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/11/16 2:44	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/11/16 2:44	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/11/16 2:44	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:44	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/11/16 2:44	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/11/16 2:44	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/11/16 2:44	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/11/16 2:44	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:44	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/11/16 2:44	KDM	P6H0182
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:44	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 2:44	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/11/16 2:44	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/11/16 2:44	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/11/16 2:44	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/11/16 2:44	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/11/16 2:44	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/11/16 2:44	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/11/16 2:44	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/11/16 2:44	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/11/16 2:44	KDM	P6H0182
m,p-Xylenes	0.56 J	ug/L	1.0	0.12	1	8260B	8/11/16 2:44	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/11/16 2:44	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/11/16 2:44	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/11/16 2:44	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Duplicate
Prism Sample ID: 6080127-07
Prism Work Order: 6080127
Time Collected: 08/04/16 16:10
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/11/16 2:44	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/11/16 2:44	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/11/16 2:44	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/16 2:44	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/11/16 2:44	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 2:44	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/11/16 2:44	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/11/16 2:44	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/11/16 2:44	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/11/16 2:44	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/11/16 2:44	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/11/16 2:44	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/11/16 2:44	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/11/16 2:44	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/11/16 2:44	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/11/16 2:44	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/11/16 2:44	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	80-124
Dibromofluoromethane	96 %	75-129
Toluene-d8	93 %	77-123

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 6080127-08
Prism Work Order: 6080127
Time Collected: 08/04/16 00:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/10/16 19:53	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 19:53	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/10/16 19:53	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 19:53	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 19:53	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/10/16 19:53	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 19:53	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/10/16 19:53	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 19:53	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 19:53	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/10/16 19:53	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/10/16 19:53	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/10/16 19:53	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/10/16 19:53	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/10/16 19:53	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/10/16 19:53	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/10/16 19:53	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 19:53	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/10/16 19:53	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/10/16 19:53	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/10/16 19:53	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/10/16 19:53	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 19:53	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/10/16 19:53	KDM	P6H0182
Chloroform	0.52	ug/L	0.50	0.076	1	8260B	8/10/16 19:53	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/10/16 19:53	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/10/16 19:53	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/10/16 19:53	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/10/16 19:53	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 6080127-08
Prism Work Order: 6080127
Time Collected: 08/04/16 00:00
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/10/16 19:53	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/10/16 19:53	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/10/16 19:53	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/10/16 19:53	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 19:53	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 19:53	KDM	P6H0182
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	8/10/16 19:53	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/10/16 19:53	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/10/16 19:53	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/10/16 19:53	KDM	P6H0182
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/10/16 19:53	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/10/16 19:53	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/10/16 19:53	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/10/16 19:53	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/10/16 19:53	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/10/16 19:53	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 19:53	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/10/16 19:53	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/10/16 19:53	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/10/16 19:53	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/10/16 19:53	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/10/16 19:53	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/10/16 19:53	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/10/16 19:53	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 19:53	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/10/16 19:53	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/10/16 19:53	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	104 %	80-124
Dibromofluoromethane	99 %	75-129
Toluene-d8	95 %	77-123



Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Equipment Rinse
Prism Sample ID: 6080127-09
Prism Work Order: 6080127
Time Collected: 08/04/16 18:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
1,2-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:50	JMV	P6H0164
1,3-Dichlorobenzene	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:50	JMV	P6H0164
1,4-Dichlorobenzene	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:50	JMV	P6H0164
1-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4,5-Trichlorophenol	BRL	ug/L	10	1.6	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4,6-Trichlorophenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4-Dichlorophenol	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4-Dimethylphenol	BRL	ug/L	10	3.4	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4-Dinitrophenol	BRL A	ug/L	10	2.7	1	8270D	8/10/16 20:50	JMV	P6H0164
2,4-Dinitrotoluene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
2,6-Dinitrotoluene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Chloronaphthalene	BRL	ug/L	10	2.7	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Chlorophenol	BRL	ug/L	10	1.9	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Methylphenol	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:50	JMV	P6H0164
3,3'-Dichlorobenzidine	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
3/4-Methylphenol	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:50	JMV	P6H0164
3-Nitroaniline	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Chloro-3-methylphenol	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Chloroaniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Nitroaniline	BRL	ug/L	10	0.93	1	8270D	8/10/16 20:50	JMV	P6H0164
4-Nitrophenol	BRL Ab	ug/L	10	0.60	1	8270D	8/10/16 20:50	JMV	P6H0164
Acenaphthene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
Acenaphthylene	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:50	JMV	P6H0164
Aniline	BRL	ug/L	10	2.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzo(a)anthracene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzo(a)pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzo(b)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzo(g,h,i)perylene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzo(k)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzoic Acid	BRL	ug/L	100	4.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:50	JMV	P6H0164
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:50	JMV	P6H0164
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.3	1	8270D	8/10/16 20:50	JMV	P6H0164

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Equipment Rinse
Prism Sample ID: 6080127-09
Prism Work Order: 6080127
Time Collected: 08/04/16 18:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.0	1	8270D	8/10/16 20:50	JMV	P6H0164
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
Butyl benzyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Chrysene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:50	JMV	P6H0164
Dibenzofuran	BRL	ug/L	10	1.8	1	8270D	8/10/16 20:50	JMV	P6H0164
Diethyl phthalate	BRL	ug/L	10	3.3	1	8270D	8/10/16 20:50	JMV	P6H0164
Dimethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164
Di-n-butyl phthalate	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Di-n-octyl phthalate	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
Fluoranthene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Fluorene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Hexachlorobenzene	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
Hexachlorobutadiene	BRL	ug/L	10	2.1	1	8270D	8/10/16 20:50	JMV	P6H0164
Hexachlorocyclopentadiene	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Hexachloroethane	BRL	ug/L	10	1.7	1	8270D	8/10/16 20:50	JMV	P6H0164
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	3.9	1	8270D	8/10/16 20:50	JMV	P6H0164
Isophorone	BRL	ug/L	10	2.5	1	8270D	8/10/16 20:50	JMV	P6H0164
Naphthalene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:50	JMV	P6H0164
Nitrobenzene	BRL	ug/L	10	2.6	1	8270D	8/10/16 20:50	JMV	P6H0164
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.2	1	8270D	8/10/16 20:50	JMV	P6H0164
N-Nitrosodiphenylamine	BRL	ug/L	10	1.3	1	8270D	8/10/16 20:50	JMV	P6H0164
Pentachlorophenol	BRL	ug/L	10	1.2	1	8270D	8/10/16 20:50	JMV	P6H0164
Phenanthrene	BRL	ug/L	10	1.5	1	8270D	8/10/16 20:50	JMV	P6H0164
Phenol	BRL	ug/L	10	0.98	1	8270D	8/10/16 20:50	JMV	P6H0164
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/10/16 20:50	JMV	P6H0164

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	76 %	43-140
2-Fluorobiphenyl	61 %	44-119
2-Fluorophenol	40 %	19-119
Nitrobenzene-d5	60 %	44-120
Phenol-d5	27 %	11-52
Terphenyl-d14	68 %	50-134

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1-Dichloroethylene	BRL CCV	ug/L	0.50	0.083	1	8260B	8/10/16 20:18	KDM	P6H0182
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	8/10/16 20:18	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Equipment Rinse
Prism Sample ID: 6080127-09
Prism Work Order: 6080127
Time Collected: 08/04/16 18:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 20:18	KDM	P6H0182
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	8/10/16 20:18	KDM	P6H0182
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 20:18	KDM	P6H0182
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 20:18	KDM	P6H0182
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	8/10/16 20:18	KDM	P6H0182
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 20:18	KDM	P6H0182
2,2-Dichloropropane	BRL CCV	ug/L	2.0	0.11	1	8260B	8/10/16 20:18	KDM	P6H0182
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	8/10/16 20:18	KDM	P6H0182
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 20:18	KDM	P6H0182
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	8/10/16 20:18	KDM	P6H0182
Acetone	BRL	ug/L	5.0	0.31	1	8260B	8/10/16 20:18	KDM	P6H0182
Acrolein	BRL	ug/L	20	0.20	1	8260B	8/10/16 20:18	KDM	P6H0182
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	8/10/16 20:18	KDM	P6H0182
Benzene	BRL	ug/L	0.50	0.048	1	8260B	8/10/16 20:18	KDM	P6H0182
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	8/10/16 20:18	KDM	P6H0182
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	8/10/16 20:18	KDM	P6H0182
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 20:18	KDM	P6H0182
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	8/10/16 20:18	KDM	P6H0182
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	8/10/16 20:18	KDM	P6H0182
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	8/10/16 20:18	KDM	P6H0182
Carbon Tetrachloride	BRL CCV	ug/L	0.50	0.11	1	8260B	8/10/16 20:18	KDM	P6H0182
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 20:18	KDM	P6H0182
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	8/10/16 20:18	KDM	P6H0182
Chloroform	BRL Aa	ug/L	0.50	0.076	1	8260B	8/10/16 20:18	KDM	P6H0182
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	8/10/16 20:18	KDM	P6H0182
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	8/10/16 20:18	KDM	P6H0182
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	8/10/16 20:18	KDM	P6H0182
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	8/10/16 20:18	KDM	P6H0182
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	8/10/16 20:18	KDM	P6H0182
Dichlorodifluoromethane	BRL CCV	ug/L	1.0	0.11	1	8260B	8/10/16 20:18	KDM	P6H0182
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	8/10/16 20:18	KDM	P6H0182
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	8/10/16 20:18	KDM	P6H0182
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	8/10/16 20:18	KDM	P6H0182
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	8/10/16 20:18	KDM	P6H0182
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	8/10/16 20:18	KDM	P6H0182
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	8/10/16 20:18	KDM	P6H0182
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	8/10/16 20:18	KDM	P6H0182
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	8/10/16 20:18	KDM	P6H0182

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Sample Matrix: Water

Client Sample ID: Equipment Rinse
Prism Sample ID: 6080127-09
Prism Work Order: 6080127
Time Collected: 08/04/16 18:35
Time Submitted: 08/05/16 17:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	8/10/16 20:18	KDM	P6H0182
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	8/10/16 20:18	KDM	P6H0182
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	8/10/16 20:18	KDM	P6H0182
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	8/10/16 20:18	KDM	P6H0182
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	8/10/16 20:18	KDM	P6H0182
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	8/10/16 20:18	KDM	P6H0182
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	8/10/16 20:18	KDM	P6H0182
Styrene	BRL	ug/L	0.50	0.047	1	8260B	8/10/16 20:18	KDM	P6H0182
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	8/10/16 20:18	KDM	P6H0182
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	8/10/16 20:18	KDM	P6H0182
Toluene	BRL	ug/L	0.50	0.044	1	8260B	8/10/16 20:18	KDM	P6H0182
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	8/10/16 20:18	KDM	P6H0182
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	8/10/16 20:18	KDM	P6H0182
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	8/10/16 20:18	KDM	P6H0182
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	8/10/16 20:18	KDM	P6H0182
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	8/10/16 20:18	KDM	P6H0182
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	8/10/16 20:18	KDM	P6H0182

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	100 %	80-124
Dibromofluoromethane	96 %	75-129
Toluene-d8	93 %	77-123

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0182 - 5030B									
Blank (P6H0182-BLK1)				Prepared & Analyzed: 08/10/16					
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L						
1,1,1-Trichloroethane	BRL	0.50	ug/L						
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L						
1,1,2-Trichloroethane	BRL	0.50	ug/L						
1,1-Dichloroethane	BRL	0.50	ug/L						
1,1-Dichloroethylene	BRL	0.50	ug/L						
1,1-Dichloropropylene	BRL	0.50	ug/L						
1,2,3-Trichlorobenzene	BRL	2.0	ug/L						
1,2,3-Trichloropropane	BRL	1.0	ug/L						
1,2,4-Trichlorobenzene	BRL	1.0	ug/L						
1,2,4-Trimethylbenzene	BRL	0.50	ug/L						
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L						
1,2-Dibromoethane	BRL	0.50	ug/L						
1,2-Dichlorobenzene	BRL	0.50	ug/L						
1,2-Dichloroethane	BRL	0.50	ug/L						
1,2-Dichloropropane	BRL	0.50	ug/L						
1,3,5-Trimethylbenzene	BRL	0.50	ug/L						
1,3-Dichlorobenzene	BRL	0.50	ug/L						
1,3-Dichloropropane	BRL	0.50	ug/L						
1,4-Dichlorobenzene	BRL	0.50	ug/L						
2,2-Dichloropropane	BRL	2.0	ug/L						
2-Chlorotoluene	BRL	0.50	ug/L						
4-Chlorotoluene	BRL	0.50	ug/L						
4-Isopropyltoluene	BRL	0.50	ug/L						
Acetone	BRL	5.0	ug/L						
Acrolein	BRL	20	ug/L						
Acrylonitrile	BRL	20	ug/L						
Benzene	BRL	0.50	ug/L						
Bromobenzene	BRL	0.50	ug/L						
Bromochloromethane	BRL	0.50	ug/L						
Bromodichloromethane	BRL	0.50	ug/L						
Bromoform	BRL	1.0	ug/L						
Bromomethane	BRL	1.0	ug/L						
Carbon disulfide	BRL	5.0	ug/L						
Carbon Tetrachloride	BRL	0.50	ug/L						
Chlorobenzene	BRL	0.50	ug/L						
Chloroethane	BRL	0.50	ug/L						
Chloroform	BRL	0.50	ug/L						
Chloromethane	BRL	0.50	ug/L						
cis-1,2-Dichloroethylene	BRL	0.50	ug/L						
cis-1,3-Dichloropropylene	BRL	0.50	ug/L						
Dibromochloromethane	BRL	0.50	ug/L						
Dibromomethane	BRL	0.50	ug/L						
Dichlorodifluoromethane	BRL	1.0	ug/L						
Ethylbenzene	BRL	0.50	ug/L						
Hexachlorobutadiene	BRL	2.0	ug/L						

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Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0182 - 5030B										
Blank (P6H0182-BLK1)				Prepared & Analyzed: 08/10/16						
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50.00		103	80-124			
Surrogate: Dibromofluoromethane	48.6		ug/L	50.00		97	75-129			
Surrogate: Toluene-d8	47.6		ug/L	50.00		95	77-123			
LCS (P6H0182-BS1)				Prepared & Analyzed: 08/10/16						
1,1,1,2-Tetrachloroethane	21.7	0.50	ug/L	20.00		109	79-134			
1,1,1-Trichloroethane	24.5	0.50	ug/L	20.00		122	75-136			
1,1,2,2-Tetrachloroethane	21.0	0.50	ug/L	20.00		105	62-127			
1,1,2-Trichloroethane	21.9	0.50	ug/L	20.00		110	70-140			
1,1-Dichloroethane	22.5	0.50	ug/L	20.00		112	78-130			
1,1-Dichloroethylene	25.8	0.50	ug/L	20.00		129	70-154			
1,1-Dichloropropylene	25.2	0.50	ug/L	20.00		126	71-136			
1,2,3-Trichlorobenzene	21.1	2.0	ug/L	20.00		106	58-144			
1,2,3-Trichloropropane	20.9	1.0	ug/L	20.00		104	71-127			
1,2,4-Trichlorobenzene	21.0	1.0	ug/L	20.00		105	66-139			
1,2,4-Trimethylbenzene	21.6	0.50	ug/L	20.00		108	75-133			
1,2-Dibromo-3-chloropropane	20.6	2.0	ug/L	20.00		103	63-134			
1,2-Dibromoethane	20.4	0.50	ug/L	20.00		102	77-135			
1,2-Dichlorobenzene	21.1	0.50	ug/L	20.00		106	78-128			
1,2-Dichloroethane	21.9	0.50	ug/L	20.00		109	68-131			
1,2-Dichloropropane	21.6	0.50	ug/L	20.00		108	77-130			
1,3,5-Trimethylbenzene	22.1	0.50	ug/L	20.00		110	75-131			
1,3-Dichlorobenzene	21.2	0.50	ug/L	20.00		106	77-125			
1,3-Dichloropropane	19.9	0.50	ug/L	20.00		100	76-132			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0182 - 5030B										
LCS (P6H0182-BS1)				Prepared & Analyzed: 08/10/16						
1,4-Dichlorobenzene	20.4	0.50	ug/L	20.00		102	75-126			
2,2-Dichloropropane	26.0	2.0	ug/L	20.00		130	29-149			
2-Chlorotoluene	21.9	0.50	ug/L	20.00		109	74-126			
4-Chlorotoluene	22.1	0.50	ug/L	20.00		110	78-129			
4-Isopropyltoluene	22.7	0.50	ug/L	20.00		114	69-132			
Acetone	41.9	5.0	ug/L	40.00		105	40-166			
Acrolein	46.7	20	ug/L	40.00		117	70-130			
Acrylonitrile	44.1	20	ug/L	40.00		110	81-127			
Benzene	23.7	0.50	ug/L	20.00		119	77-128			
Bromobenzene	20.9	0.50	ug/L	20.00		104	78-129			
Bromochloromethane	24.0	0.50	ug/L	20.00		120	78-135			
Bromodichloromethane	22.2	0.50	ug/L	20.00		111	76-138			
Bromoform	17.8	1.0	ug/L	20.00		89	71-135			
Bromomethane	19.1	1.0	ug/L	20.00		96	41-168			
Carbon disulfide	26.9	5.0	ug/L	20.00		134	59-135			
Carbon Tetrachloride	26.9	0.50	ug/L	20.00		135	72-142			
Chlorobenzene	21.3	0.50	ug/L	20.00		107	78-119			
Chloroethane	19.7	0.50	ug/L	20.00		98	57-142			
Chloroform	22.0	0.50	ug/L	20.00		110	77-130			
Chloromethane	24.6	0.50	ug/L	20.00		123	47-145			
cis-1,2-Dichloroethylene	22.7	0.50	ug/L	20.00		113	76-141			
cis-1,3-Dichloropropylene	23.2	0.50	ug/L	20.00		116	65-140			
Dibromochloromethane	18.7	0.50	ug/L	20.00		94	75-134			
Dibromomethane	21.9	0.50	ug/L	20.00		109	76-138			
Dichlorodifluoromethane	37.0	1.0	ug/L	20.00		185	28-163			LH
Ethylbenzene	22.6	0.50	ug/L	20.00		113	80-127			
Hexachlorobutadiene	22.6	2.0	ug/L	20.00		113	61-134			
Isopropyl Ether	21.8	0.50	ug/L	20.00		109	60-154			
Isopropylbenzene (Cumene)	23.3	0.50	ug/L	20.00		116	70-130			
m,p-Xylenes	48.6	1.0	ug/L	40.00		121	77-133			
Methyl Butyl Ketone (2-Hexanone)	21.2	5.0	ug/L	20.00		106	64-137			
Methyl Ethyl Ketone (2-Butanone)	22.6	5.0	ug/L	20.00		113	71-134			
Methyl Isobutyl Ketone	22.2	5.0	ug/L	20.00		111	69-134			
Methylene Chloride	22.0	1.0	ug/L	20.00		110	73-131			
Methyl-tert-Butyl Ether	22.9	0.50	ug/L	20.00		114	68-135			
Naphthalene	21.2	1.0	ug/L	20.00		106	64-136			
n-Butylbenzene	23.0	1.0	ug/L	20.00		115	68-134			
n-Propylbenzene	23.7	0.50	ug/L	20.00		118	72-132			
o-Xylene	22.7	0.50	ug/L	20.00		113	78-128			
sec-Butylbenzene	23.4	0.50	ug/L	20.00		117	71-131			
Styrene	20.9	0.50	ug/L	20.00		104	78-129			
tert-Butylbenzene	22.6	0.50	ug/L	20.00		113	70-132			
Tetrachloroethylene	21.2	0.50	ug/L	20.00		106	80-129			
Toluene	23.5	0.50	ug/L	20.00		118	76-131			
trans-1,2-Dichloroethylene	24.3	0.50	ug/L	20.00		122	76-135			
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20.00		103	67-140			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0182 - 5030B										
LCS (P6H0182-BS1)				Prepared & Analyzed: 08/10/16						
Trichloroethylene	24.0	0.50	ug/L	20.00		120	77-133			
Trichlorofluoromethane	25.3	0.50	ug/L	20.00		127	62-148			
Vinyl acetate	23.9	2.0	ug/L	20.00		119	34-167			
Vinyl chloride	23.9	0.50	ug/L	20.00		119	57-141			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.00		101	80-124			
Surrogate: Dibromofluoromethane	48.2		ug/L	50.00		96	75-129			
Surrogate: Toluene-d8	46.9		ug/L	50.00		94	77-123			
LCS Dup (P6H0182-BSD1)				Prepared & Analyzed: 08/10/16						
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/L	20.00		106	79-134	2	20	
1,1,1-Trichloroethane	23.6	0.50	ug/L	20.00		118	75-136	4	20	
1,1,2,2-Tetrachloroethane	21.1	0.50	ug/L	20.00		106	62-127	0.3	20	
1,1,2-Trichloroethane	22.4	0.50	ug/L	20.00		112	70-140	2	20	
1,1-Dichloroethane	21.6	0.50	ug/L	20.00		108	78-130	4	20	
1,1-Dichloroethylene	26.5	0.50	ug/L	20.00		132	70-154	3	20	
1,1-Dichloropropylene	24.5	0.50	ug/L	20.00		122	71-136	3	20	
1,2,3-Trichlorobenzene	22.0	2.0	ug/L	20.00		110	58-144	4	20	
1,2,3-Trichloropropane	20.9	1.0	ug/L	20.00		104	71-127	0.1	20	
1,2,4-Trichlorobenzene	21.2	1.0	ug/L	20.00		106	66-139	0.9	20	
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20.00		107	75-133	0.9	20	
1,2-Dibromo-3-chloropropane	20.0	2.0	ug/L	20.00		100	63-134	3	20	
1,2-Dibromoethane	20.5	0.50	ug/L	20.00		103	77-135	0.8	20	
1,2-Dichlorobenzene	21.3	0.50	ug/L	20.00		107	78-128	1	20	
1,2-Dichloroethane	21.8	0.50	ug/L	20.00		109	68-131	0.6	20	
1,2-Dichloropropane	21.6	0.50	ug/L	20.00		108	77-130	0.1	20	
1,3,5-Trimethylbenzene	21.8	0.50	ug/L	20.00		109	75-131	1	20	
1,3-Dichlorobenzene	21.0	0.50	ug/L	20.00		105	77-125	0.9	20	
1,3-Dichloropropane	20.2	0.50	ug/L	20.00		101	76-132	1	20	
1,4-Dichlorobenzene	20.2	0.50	ug/L	20.00		101	75-126	0.7	20	
2,2-Dichloropropane	24.9	2.0	ug/L	20.00		124	29-149	4	20	
2-Chlorotoluene	21.5	0.50	ug/L	20.00		108	74-126	2	20	
4-Chlorotoluene	22.0	0.50	ug/L	20.00		110	78-129	0.5	20	
4-Isopropyltoluene	22.2	0.50	ug/L	20.00		111	69-132	2	20	
Acetone	42.1	5.0	ug/L	40.00		105	40-166	0.4	20	
Acrolein	46.7	20	ug/L	40.00		117	70-130	0.06	20	
Acrylonitrile	43.9	20	ug/L	40.00		110	81-127	0.4	20	
Benzene	22.9	0.50	ug/L	20.00		115	77-128	3	20	
Bromobenzene	20.8	0.50	ug/L	20.00		104	78-129	0.3	20	
Bromochloromethane	23.9	0.50	ug/L	20.00		119	78-135	0.6	20	
Bromodichloromethane	22.0	0.50	ug/L	20.00		110	76-138	1	20	
Bromoform	17.9	1.0	ug/L	20.00		90	71-135	0.6	20	
Bromomethane	17.7	1.0	ug/L	20.00		89	41-168	7	20	
Carbon disulfide	25.9	5.0	ug/L	20.00		129	59-135	4	20	
Carbon Tetrachloride	25.6	0.50	ug/L	20.00		128	72-142	5	20	
Chlorobenzene	21.1	0.50	ug/L	20.00		105	78-119	1	20	
Chloroethane	18.3	0.50	ug/L	20.00		92	57-142	7	20	
Chloroform	21.6	0.50	ug/L	20.00		108	77-130	2	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0182 - 5030B										
LCS Dup (P6H0182-BSD1)				Prepared & Analyzed: 08/10/16						
Chloromethane	23.9	0.50	ug/L	20.00		120	47-145	3	20	
cis-1,2-Dichloroethylene	22.2	0.50	ug/L	20.00		111	76-141	2	20	
cis-1,3-Dichloropropylene	23.1	0.50	ug/L	20.00		116	65-140	0.2	20	
Dibromochloromethane	18.7	0.50	ug/L	20.00		93	75-134	0.3	20	
Dibromomethane	22.2	0.50	ug/L	20.00		111	76-138	2	20	
Dichlorodifluoromethane	35.0	1.0	ug/L	20.00		175	28-163	5	20	LH
Ethylbenzene	21.8	0.50	ug/L	20.00		109	80-127	3	20	
Hexachlorobutadiene	22.1	2.0	ug/L	20.00		111	61-134	2	20	
Isopropyl Ether	21.7	0.50	ug/L	20.00		108	60-154	0.6	20	
Isopropylbenzene (Cumene)	22.7	0.50	ug/L	20.00		114	70-130	3	20	
m,p-Xylenes	46.9	1.0	ug/L	40.00		117	77-133	3	20	
Methyl Butyl Ketone (2-Hexanone)	21.2	5.0	ug/L	20.00		106	64-137	0.09	20	
Methyl Ethyl Ketone (2-Butanone)	23.4	5.0	ug/L	20.00		117	71-134	4	20	
Methyl Isobutyl Ketone	22.4	5.0	ug/L	20.00		112	69-134	0.8	20	
Methylene Chloride	22.3	1.0	ug/L	20.00		111	73-131	1	20	
Methyl-tert-Butyl Ether	23.2	0.50	ug/L	20.00		116	68-135	2	20	
Naphthalene	21.9	1.0	ug/L	20.00		109	64-136	3	20	
n-Butylbenzene	22.3	1.0	ug/L	20.00		112	68-134	3	20	
n-Propylbenzene	22.9	0.50	ug/L	20.00		114	72-132	3	20	
o-Xylene	22.1	0.50	ug/L	20.00		110	78-128	3	20	
sec-Butylbenzene	22.7	0.50	ug/L	20.00		114	71-131	3	20	
Styrene	20.6	0.50	ug/L	20.00		103	78-129	1	20	
tert-Butylbenzene	22.1	0.50	ug/L	20.00		111	70-132	2	20	
Tetrachloroethylene	20.4	0.50	ug/L	20.00		102	80-129	4	20	
Toluene	22.8	0.50	ug/L	20.00		114	76-131	3	20	
trans-1,2-Dichloroethylene	23.4	0.50	ug/L	20.00		117	76-135	4	20	
trans-1,3-Dichloropropylene	21.0	0.50	ug/L	20.00		105	67-140	1	20	
Trichloroethylene	23.0	0.50	ug/L	20.00		115	77-133	5	20	
Trichlorofluoromethane	23.7	0.50	ug/L	20.00		119	62-148	7	20	
Vinyl acetate	23.8	2.0	ug/L	20.00		119	34-167	0.04	20	
Vinyl chloride	24.7	0.50	ug/L	20.00		124	57-141	3	20	
Surrogate: 4-Bromofluorobenzene	50.8		ug/L	50.00		102	80-124			
Surrogate: Dibromofluoromethane	47.8		ug/L	50.00		96	75-129			
Surrogate: Toluene-d8	47.2		ug/L	50.00		94	77-123			



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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
Blank (P6H0164-BLK1)				Prepared & Analyzed: 08/10/16						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
Blank (P6H0164-BLK1)				Prepared & Analyzed: 08/10/16						
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3		ug/L	100.0		86	43-140			
Surrogate: 2-Fluorobiphenyl	35.6		ug/L	50.00		71	44-119			
Surrogate: 2-Fluorophenol	44.6		ug/L	100.0		45	19-119			
Surrogate: Nitrobenzene-d5	35.0		ug/L	50.00		70	44-120			
Surrogate: Phenol-d5	29.3		ug/L	100.0		29	11-52			
Surrogate: Terphenyl-d14	39.2		ug/L	50.00		78	50-134			



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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
LCS (P6H0164-BS1)				Prepared & Analyzed: 08/10/16						
1,2,4-Trichlorobenzene	35.3	10	ug/L	50.00		71	29-126			
1,2-Dichlorobenzene	32.3	10	ug/L	50.00		65	32-111			
1,3-Dichlorobenzene	31.8	10	ug/L	50.00		64	28-110			
1,4-Dichlorobenzene	32.4	10	ug/L	50.00		65	29-112			
1-Methylnaphthalene	41.6	10	ug/L	50.00		83	41-119			
2,4,5-Trichlorophenol	41.0	10	ug/L	50.00		82	53-123			
2,4,6-Trichlorophenol	41.6	10	ug/L	50.00		83	50-125			
2,4-Dichlorophenol	41.2	10	ug/L	50.00		82	47-121			
2,4-Dimethylphenol	39.1	10	ug/L	50.00		78	31-124			
2,4-Dinitrophenol	16.1	10	ug/L	50.00		32	23-143			
2,4-Dinitrotoluene	43.8	10	ug/L	50.00		88	57-128			
2,6-Dinitrotoluene	42.2	10	ug/L	50.00		84	57-124			
2-Chloronaphthalene	53.3	10	ug/L	50.00		107	40-116			
2-Chlorophenol	35.4	10	ug/L	50.00		71	38-117			
2-Methylnaphthalene	40.2	10	ug/L	50.00		80	40-121			
2-Methylphenol	32.6	10	ug/L	50.00		65	30-117			
2-Nitroaniline	42.5	10	ug/L	50.00		85	55-127			
2-Nitrophenol	40.0	10	ug/L	50.00		80	47-123			
3,3'-Dichlorobenzidine	45.2	10	ug/L	50.00		90	27-129			
3/4-Methylphenol	32.1	10	ug/L	50.00		64	29-110			
3-Nitroaniline	41.7	10	ug/L	50.00		83	41-128			
4,6-Dinitro-2-methylphenol	31.9	10	ug/L	50.00		64	44-137			
4-Bromophenyl phenyl ether	44.6	10	ug/L	50.00		89	55-124			
4-Chloro-3-methylphenol	41.6	10	ug/L	50.00		83	52-119			
4-Chloroaniline	39.4	10	ug/L	50.00		79	33-117			
4-Chlorophenyl phenyl ether	44.4	10	ug/L	50.00		89	53-121			
4-Nitroaniline	42.2	10	ug/L	50.00		84	45-135			
4-Nitrophenol	23.4	10	ug/L	50.00		47	10-77			
Acenaphthene	44.4	10	ug/L	50.00		89	47-122			
Acenaphthylene	45.1	10	ug/L	50.00		90	41-130			
Aniline	36.6	10	ug/L	50.00		73	12-197			
Anthracene	47.3	10	ug/L	50.00		95	57-123			
Azobenzene	44.1	10	ug/L	50.00		88	61-116			
Benzo(a)anthracene	46.8	10	ug/L	50.00		94	58-125			
Benzo(a)pyrene	44.3	10	ug/L	50.00		89	54-128			
Benzo(b)fluoranthene	41.0	10	ug/L	50.00		82	53-131			
Benzo(g,h,i)perylene	42.6	10	ug/L	50.00		85	50-134			
Benzo(k)fluoranthene	43.7	10	ug/L	50.00		87	57-129			
Benzoic Acid	BRL	100	ug/L	50.00			10-125			L
Benzyl alcohol	31.5	10	ug/L	50.00		63	31-112			
bis(2-Chloroethoxy)methane	42.0	10	ug/L	50.00		84	48-120			
Bis(2-Chloroethyl)ether	40.1	10	ug/L	50.00		80	43-118			
Bis(2-chloroisopropyl)ether	39.9	10	ug/L	50.00		80	37-130			
Bis(2-Ethylhexyl)phthalate	45.6	10	ug/L	50.00		91	55-135			
Butyl benzyl phthalate	45.8	10	ug/L	50.00		92	53-134			
Chrysene	48.6	10	ug/L	50.00		97	59-123			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
LCS (P6H0164-BS1)				Prepared & Analyzed: 08/10/16						
Dibenzo(a,h)anthracene	42.7	10	ug/L	50.00		85	51-134			
Dibenzofuran	44.3	10	ug/L	50.00		89	53-118			
Diethyl phthalate	43.8	10	ug/L	50.00		88	56-125			
Dimethyl phthalate	42.3	10	ug/L	50.00		85	45-127			
Di-n-butyl phthalate	46.6	10	ug/L	50.00		93	59-127			
Di-n-octyl phthalate	40.7	10	ug/L	50.00		81	51-140			
Fluoranthene	45.8	10	ug/L	50.00		92	57-128			
Fluorene	46.7	10	ug/L	50.00		93	52-124			
Hexachlorobenzene	44.0	10	ug/L	50.00		88	53-125			
Hexachlorobutadiene	33.1	10	ug/L	50.00		66	22-124			
Hexachlorocyclopentadiene	36.0	10	ug/L	50.00		72	32-117			
Hexachloroethane	32.7	10	ug/L	50.00		65	21-115			
Indeno(1,2,3-cd)pyrene	45.8	10	ug/L	50.00		92	52-134			
Isophorone	42.0	10	ug/L	50.00		84	42-124			
Naphthalene	39.6	10	ug/L	50.00		79	40-121			
Nitrobenzene	39.4	10	ug/L	50.00		79	45-121			
N-Nitroso-di-n-propylamine	41.4	10	ug/L	50.00		83	49-119			
N-Nitrosodiphenylamine	43.9	10	ug/L	50.00		88	51-123			
Pentachlorophenol	20.7	10	ug/L	50.00		41	35-138			
Phenanthrene	47.4	10	ug/L	50.00		95	59-120			
Phenol	17.7	10	ug/L	50.00		35	12-58			
Pyrene	46.2	10	ug/L	50.00		92	57-126			
Surrogate: 2,4,6-Tribromophenol	93.4		ug/L	100.0		93	43-140			
Surrogate: 2-Fluorobiphenyl	42.1		ug/L	50.00		84	44-119			
Surrogate: 2-Fluorophenol	50.7		ug/L	100.0		51	19-119			
Surrogate: Nitrobenzene-d5	40.9		ug/L	50.00		82	44-120			
Surrogate: Phenol-d5	34.0		ug/L	100.0		34	11-52			
Surrogate: Terphenyl-d14	38.1		ug/L	50.00		76	50-134			



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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
LCS Dup (P6H0164-BSD1)				Prepared & Analyzed: 08/10/16						
1,2,4-Trichlorobenzene	33.8	10	ug/L	50.00		68	29-126	4	20	
1,2-Dichlorobenzene	31.8	10	ug/L	50.00		64	32-111	2	20	
1,3-Dichlorobenzene	31.1	10	ug/L	50.00		62	28-110	2	20	
1,4-Dichlorobenzene	32.1	10	ug/L	50.00		64	29-112	0.9	20	
1-Methylnaphthalene	40.7	10	ug/L	50.00		81	41-119	2	20	
2,4,5-Trichlorophenol	41.6	10	ug/L	50.00		83	53-123	1	20	
2,4,6-Trichlorophenol	40.4	10	ug/L	50.00		81	50-125	3	20	
2,4-Dichlorophenol	40.0	10	ug/L	50.00		80	47-121	3	20	
2,4-Dimethylphenol	38.3	10	ug/L	50.00		77	31-124	2	20	
2,4-Dinitrophenol	15.7	10	ug/L	50.00		31	23-143	3	20	
2,4-Dinitrotoluene	43.1	10	ug/L	50.00		86	57-128	2	20	
2,6-Dinitrotoluene	41.2	10	ug/L	50.00		82	57-124	2	20	
2-Chloronaphthalene	53.1	10	ug/L	50.00		106	40-116	0.3	20	
2-Chlorophenol	34.2	10	ug/L	50.00		68	38-117	3	20	
2-Methylnaphthalene	38.8	10	ug/L	50.00		78	40-121	4	20	
2-Methylphenol	31.2	10	ug/L	50.00		62	30-117	4	20	
2-Nitroaniline	42.4	10	ug/L	50.00		85	55-127	0.3	20	
2-Nitrophenol	38.6	10	ug/L	50.00		77	47-123	3	20	
3,3'-Dichlorobenzidine	44.4	10	ug/L	50.00		89	27-129	2	20	
3/4-Methylphenol	31.3	10	ug/L	50.00		63	29-110	2	20	
3-Nitroaniline	39.8	10	ug/L	50.00		80	41-128	5	20	
4,6-Dinitro-2-methylphenol	29.5	10	ug/L	50.00		59	44-137	8	20	
4-Bromophenyl phenyl ether	43.4	10	ug/L	50.00		87	55-124	3	20	
4-Chloro-3-methylphenol	40.3	10	ug/L	50.00		81	52-119	3	20	
4-Chloroaniline	38.0	10	ug/L	50.00		76	33-117	3	20	
4-Chlorophenyl phenyl ether	43.2	10	ug/L	50.00		86	53-121	3	20	
4-Nitroaniline	40.7	10	ug/L	50.00		81	45-135	4	20	
4-Nitrophenol	22.7	10	ug/L	50.00		45	10-77	3	20	
Acenaphthene	43.4	10	ug/L	50.00		87	47-122	2	20	
Acenaphthylene	44.5	10	ug/L	50.00		89	41-130	1	20	
Aniline	36.0	10	ug/L	50.00		72	12-197	2	20	
Anthracene	46.9	10	ug/L	50.00		94	57-123	0.8	20	
Azobenzene	43.2	10	ug/L	50.00		86	61-116	2	20	
Benzo(a)anthracene	46.0	10	ug/L	50.00		92	58-125	2	20	
Benzo(a)pyrene	44.2	10	ug/L	50.00		88	54-128	0.3	20	
Benzo(b)fluoranthene	41.2	10	ug/L	50.00		82	53-131	0.4	20	
Benzo(g,h,i)perylene	42.2	10	ug/L	50.00		84	50-134	0.8	20	
Benzo(k)fluoranthene	43.3	10	ug/L	50.00		87	57-129	0.9	20	
Benzoic Acid	BRL	100	ug/L	50.00			10-125		20	L
Benzyl alcohol	30.6	10	ug/L	50.00		61	31-112	3	20	
bis(2-Chloroethoxy)methane	40.5	10	ug/L	50.00		81	48-120	4	20	
Bis(2-Chloroethyl)ether	38.5	10	ug/L	50.00		77	43-118	4	20	
Bis(2-chloroisopropyl)ether	39.2	10	ug/L	50.00		78	37-130	2	20	
Bis(2-Ethylhexyl)phthalate	45.3	10	ug/L	50.00		91	55-135	0.6	20	
Butyl benzyl phthalate	45.1	10	ug/L	50.00		90	53-134	2	20	
Chrysene	46.9	10	ug/L	50.00		94	59-123	4	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Kelly Johnson
409 Rogers View Court
Raleigh, NC 27610

Project: Former Glen Raven Mill

Prism Work Order: 6080127
Time Submitted: 8/5/2016 5:15:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0164 - 3510C MS										
LCS Dup (P6H0164-BSD1)				Prepared & Analyzed: 08/10/16						
Dibenzo(a,h)anthracene	42.3	10	ug/L	50.00		85	51-134	1	20	
Dibenzofuran	43.8	10	ug/L	50.00		88	53-118	1	20	
Diethyl phthalate	43.4	10	ug/L	50.00		87	56-125	1	20	
Dimethyl phthalate	41.8	10	ug/L	50.00		84	45-127	1	20	
Di-n-butyl phthalate	46.2	10	ug/L	50.00		92	59-127	0.8	20	
Di-n-octyl phthalate	40.8	10	ug/L	50.00		82	51-140	0.3	20	
Fluoranthene	44.9	10	ug/L	50.00		90	57-128	2	20	
Fluorene	46.8	10	ug/L	50.00		94	52-124	0.2	20	
Hexachlorobenzene	43.2	10	ug/L	50.00		86	53-125	2	20	
Hexachlorobutadiene	31.8	10	ug/L	50.00		64	22-124	4	20	
Hexachlorocyclopentadiene	34.4	10	ug/L	50.00		69	32-117	4	20	
Hexachloroethane	31.6	10	ug/L	50.00		63	21-115	3	20	
Indeno(1,2,3-cd)pyrene	45.2	10	ug/L	50.00		90	52-134	1	20	
Isophorone	40.3	10	ug/L	50.00		81	42-124	4	20	
Naphthalene	38.2	10	ug/L	50.00		76	40-121	4	20	
Nitrobenzene	37.8	10	ug/L	50.00		76	45-121	4	20	
N-Nitroso-di-n-propylamine	40.8	10	ug/L	50.00		82	49-119	2	20	
N-Nitrosodiphenylamine	43.2	10	ug/L	50.00		86	51-123	2	20	
Pentachlorophenol	19.0	10	ug/L	50.00		38	35-138	9	20	
Phenanthrene	46.6	10	ug/L	50.00		93	59-120	2	20	
Phenol	16.9	10	ug/L	50.00		34	12-58	4	20	
Pyrene	45.6	10	ug/L	50.00		91	57-126	1	20	
Surrogate: 2,4,6-Tribromophenol	91.7		ug/L	100.0		92	43-140			
Surrogate: 2-Fluorobiphenyl	39.9		ug/L	50.00		80	44-119			
Surrogate: 2-Fluorophenol	47.4		ug/L	100.0		47	19-119			
Surrogate: Nitrobenzene-d5	38.7		ug/L	50.00		77	44-120			
Surrogate: Phenol-d5	31.4		ug/L	100.0		31	11-52			
Surrogate: Terphenyl-d14	37.0		ug/L	50.00		74	50-134			

Sample Extraction Data

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
6080127-01	P6H0164	1000 mL	1 mL	08/10/16 9:30
6080127-02	P6H0164	1000 mL	1 mL	08/10/16 9:30
6080127-03	P6H0164	1000 mL	1 mL	08/10/16 9:30
6080127-04	P6H0164	1000 mL	1 mL	08/10/16 9:30
6080127-05	P6H0164	1000 mL	1 mL	08/10/16 9:30
6080127-06	P6H0164	1000 mL	1 mL	08/10/16 13:05
6080127-07	P6H0164	1000 mL	1 mL	08/10/16 13:05
6080127-09	P6H0164	1000 mL	1 mL	08/10/16 13:05

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
6080127-01	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-02	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-03	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-04	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-05	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-06	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-07	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-08	P6H0182	10 mL	10 mL	08/10/16 16:49
6080127-09	P6H0182	10 mL	10 mL	08/10/16 16:49

CHAIN OF CUSTODY RECORD

LAB USE ONLY

Client Company Name: Mc-Allen KSOs

Report To/Contact Name: Kelly Schum

Reporting Address: 409 Lepore Way Ct
Rocky Mt 27610

Phone: 919 259 9418 Fax (Yes) (No):

Email Address: K.Schum@prism-lab.com

EDD Type: PDF X Excel Other

Site Location Name: Farm Glen Run Mill

Site Location Physical Address: Kootayac

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Farm Glen Run Mill R2611 T4055

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting (QC LEVEL I II III IV)

provisions and/or QC Requirements

Invoice To:

Address:

Purchase Order No./Billing Reference
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

YES NO N/A

Samples INTACT upon arrival? ✓

Received ON WET ICE? ✓

PROPER PRESERVATIVES indicated? ✓

Received WITHIN HOLDING TIMES? ✓

CUSTODY SEALS INTACT? ✓

VOLATILES rec'd w/OUT HEADSPACE? ✓

PROPER CONTAINERS used? ✓

TEMP: Therm ID: 267-1 Observed: 3.7 °C / Corr: 3.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC DOD FL NC X

Water Chlorinated: YES NO X

Sample Iced Upon Collection: YES X NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA-TIVES	ANALYSIS REQUESTED		REMARKS	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE					
MW-1	8/4/2016	1820	WATER	VOA/A	5			X	X		01
MW-2		1600									02
MW-3		1530									03
MW-4		1645									04
MW-5		1515									05
MW-6		1730									06
DUPLICATE		1610									07
Trip Blank				VOA	2						08
Egyptian River		1835		VOA/A	5						09

Sampler's Signature: [Signature]

Sampled By (Print Name) Kelly Schum

Affiliation MAA

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) [Signature] Received By: (Signature) [Signature] Date 8/5/16 Military/Hours 1130

Relinquished By: (Signature) [Signature] Received By: (Signature) [Signature] Date 8-5-16 Military/Hours 1445

Relinquished By: (Signature) [Signature] Received For Prism Laboratories By: [Signature] Date 8-5-16 Military/Hours 1715

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other

NPDES: ☐ NC ☐ SC ☐ NC ☐ SC ☐ NC ☐ SC

GROUNDWATER: ☐ NC ☐ SC ☐ NC ☐ SC

DRINKING WATER: ☐ NC ☐ SC ☐ NC ☐ SC

SOLID WASTE: ☐ NC ☐ SC ☐ NC ☐ SC

RCRA: ☐ NC ☐ SC ☐ NC ☐ SC

CERCLA: ☐ NC ☐ SC ☐ NC ☐ SC

LANDFILL: ☐ NC ☐ SC ☐ NC ☐ SC

OTHER: ☐ NC ☐ SC ☐ NC ☐ SC

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

Additional Comments:

PRESS DOWN FIRMLY - 3 COPIES

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

30 August 2016

Mr. Kelly Johnson
Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610



H&P Project: MAA082416-11
Client Project: R2611-00 T4055 / Kinston, NC

Dear Mr. Kelly Johnson:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 24-Aug-16 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP-1	E608096-01	Vapor	19-Aug-16	24-Aug-16
VP-2	E608096-02	Vapor	19-Aug-16	24-Aug-16
VP-3	E608096-03	Vapor	19-Aug-16	24-Aug-16
VP-4	E608096-04	Vapor	19-Aug-16	24-Aug-16
VP-5	E608096-05	Vapor	19-Aug-16	24-Aug-16
VP-6	E608096-06	Vapor	19-Aug-16	24-Aug-16
Duplicate	E608096-07	Vapor	19-Aug-16	24-Aug-16

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

DETECTIONS SUMMARY

Sample ID: VP-1

Laboratory ID: E608096-01

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Trichlorofluoromethane (F11)	12	2.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	6.2	2.4	ug/m3	EPA TO-15	
Benzene	1.0	0.6	ug/m3	EPA TO-15	
Toluene	7.0	3.1	ug/m3	EPA TO-15	
m,p-Xylene	5.1	1.8	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	2.0	2.0	ug/m3	EPA TO-15	

Sample ID: VP-2

Laboratory ID: E608096-02

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Trichlorofluoromethane (F11)	8.2	2.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	7.2	2.4	ug/m3	EPA TO-15	
Benzene	2.0	0.6	ug/m3	EPA TO-15	
Trichloroethene	4.2	2.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	4.5	3.3	ug/m3	EPA TO-15	
Toluene	13	3.1	ug/m3	EPA TO-15	
Tetrachloroethene	2.9	2.8	ug/m3	EPA TO-15	
Ethylbenzene	2.4	1.8	ug/m3	EPA TO-15	
m,p-Xylene	8.7	1.8	ug/m3	EPA TO-15	
Styrene	5.3	1.7	ug/m3	EPA TO-15	
o-Xylene	4.1	1.8	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	3.3	2.0	ug/m3	EPA TO-15	
1,4-Dichlorobenzene	3.5	2.4	ug/m3	EPA TO-15	

Sample ID: VP-3

Laboratory ID: E608096-03

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Dichlorodifluoromethane (F12)	4.0	4.0	ug/m3	EPA TO-15	
Chloromethane	3.2	0.8	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	20	2.3	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	2.0	1.4	ug/m3	EPA TO-15	QL-1H
Carbon disulfide	3.0	1.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	9.0	2.4	ug/m3	EPA TO-15	
1,1,1-Trichloroethane	15	2.2	ug/m3	EPA TO-15	
Benzene	4.7	0.6	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	3.8	3.3	ug/m3	EPA TO-15	
Toluene	20	3.1	ug/m3	EPA TO-15	

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Sample ID: VP-3

Laboratory ID: E608096-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	3.9	2.8	ug/m3	EPA TO-15	
Ethylbenzene	4.0	1.8	ug/m3	EPA TO-15	
m,p-Xylene	14	1.8	ug/m3	EPA TO-15	
Styrene	12	1.7	ug/m3	EPA TO-15	
o-Xylene	5.5	1.8	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	5.5	2.0	ug/m3	EPA TO-15	
1,4-Dichlorobenzene	3.2	2.4	ug/m3	EPA TO-15	

Sample ID: VP-4

Laboratory ID: E608096-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chloromethane	1.8	0.8	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	64	2.3	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	8.3	1.4	ug/m3	EPA TO-15	QL-1H
trans-1,2-Dichloroethene	3.3	1.6	ug/m3	EPA TO-15	
2-Butanone (MEK)	43	2.4	ug/m3	EPA TO-15	
cis-1,2-Dichloroethene	3.4	1.6	ug/m3	EPA TO-15	
1,1,1-Trichloroethane	3.4	2.2	ug/m3	EPA TO-15	
Benzene	1.4	0.6	ug/m3	EPA TO-15	
Trichloroethene	6.5	2.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	4.2	3.3	ug/m3	EPA TO-15	
Toluene	3.6	3.1	ug/m3	EPA TO-15	
Tetrachloroethene	7.2	2.8	ug/m3	EPA TO-15	
Ethylbenzene	2.5	1.8	ug/m3	EPA TO-15	
m,p-Xylene	5.0	1.8	ug/m3	EPA TO-15	

Sample ID: VP-5

Laboratory ID: E608096-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Trichlorofluoromethane (F11)	24	2.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	8.2	2.4	ug/m3	EPA TO-15	
Chloroform	1.7	1.0	ug/m3	EPA TO-15	
Benzene	2.3	0.6	ug/m3	EPA TO-15	
Toluene	5.2	3.1	ug/m3	EPA TO-15	
Tetrachloroethene	5.0	2.8	ug/m3	EPA TO-15	
m,p-Xylene	3.1	1.8	ug/m3	EPA TO-15	

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Sample ID: VP-6

Laboratory ID: E608096-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Dichlorodifluoromethane (F12)	18	4.0		ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	64	2.3		ug/m3	EPA TO-15	
Carbon disulfide	3.9	1.3		ug/m3	EPA TO-15	
2-Butanone (MEK)	5.7	2.4		ug/m3	EPA TO-15	
Benzene	2.5	0.6		ug/m3	EPA TO-15	
Toluene	13	3.1		ug/m3	EPA TO-15	
Ethylbenzene	2.9	1.8		ug/m3	EPA TO-15	
m,p-Xylene	11	1.8		ug/m3	EPA TO-15	
Styrene	6.3	1.7		ug/m3	EPA TO-15	
o-Xylene	3.8	1.8		ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	4.4	2.0		ug/m3	EPA TO-15	
1,4-Dichlorobenzene	3.2	2.4		ug/m3	EPA TO-15	

Sample ID: Duplicate

Laboratory ID: E608096-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Trichlorofluoromethane (F11)	28	2.3		ug/m3	EPA TO-15	
Carbon disulfide	2.3	1.3		ug/m3	EPA TO-15	
2-Butanone (MEK)	7.4	2.4		ug/m3	EPA TO-15	
cis-1,2-Dichloroethene	1.8	1.6		ug/m3	EPA TO-15	
Chloroform	1.7	1.0		ug/m3	EPA TO-15	
Benzene	1.8	0.6		ug/m3	EPA TO-15	
Trichloroethene	12	2.2		ug/m3	EPA TO-15	
Toluene	4.2	3.1		ug/m3	EPA TO-15	
Tetrachloroethene	5.2	2.8		ug/m3	EPA TO-15	
m,p-Xylene	2.5	1.8		ug/m3	EPA TO-15	

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-1 (E608096-01) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Dichlorodifluoromethane (F12)	ND	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	ND	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	12	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.4	"	"	"	"	"	"	
Carbon disulfide	ND	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	6.2	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	1.0	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	2.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	7.0	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
m,p-Xylene	5.1	1.8	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
o-Xylene	ND	1.8	"	"	"	"	"	"	

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-1 (E608096-01) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Bromoform	ND	4.2	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	2.0	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	76-134		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	78-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	77-127		"	"	"	"	
VP-2 (E608096-02) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Dichlorodifluoromethane (F12)	ND	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	ND	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	8.2	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.4	"	"	"	"	"	"	
Carbon disulfide	ND	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	7.2	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	2.0	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	4.2	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	

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30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-2 (E608096-02) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Bromodichloromethane	ND	2.7	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	4.5	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	13	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	2.9	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	2.4	1.8	"	"	"	"	"	"	
m,p-Xylene	8.7	1.8	"	"	"	"	"	"	
Styrene	5.3	1.7	"	"	"	"	"	"	
o-Xylene	4.1	1.8	"	"	"	"	"	"	
Bromoform	ND	4.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	3.3	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	3.5	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

103 % 76-134 " " " "
103 % 78-125 " " " "
93.8 % 77-127 " " " "

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Reported:
30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-3 (E608096-03) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Dichlorodifluoromethane (F12)	4.0	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	3.2	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	20	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	2.0	1.4	"	"	"	"	"	"	QL-1H
Carbon disulfide	3.0	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	9.0	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	15	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	4.7	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	2.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	3.8	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	20	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	3.9	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	4.0	1.8	"	"	"	"	"	"	
m,p-Xylene	14	1.8	"	"	"	"	"	"	
Styrene	12	1.7	"	"	"	"	"	"	
o-Xylene	5.5	1.8	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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VP-3 (E608096-03) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16

Bromoform	ND	4.2	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	5.5	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	3.2	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

108 % 76-134

" " " "

Surrogate: Toluene-d8

101 % 78-125

" " " "

Surrogate: 4-Bromofluorobenzene

95.9 % 77-127

" " " "

VP-4 (E608096-04) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16

Dichlorodifluoromethane (F12)	ND	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	1.8	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	64	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	8.3	1.4	"	"	"	"	"	"	QL-1H
Carbon disulfide	ND	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	3.3	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	43	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	3.4	1.6	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	3.4	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	1.4	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	6.5	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-4 (E608096-04) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Bromodichloromethane	ND	2.7	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	4.2	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	3.6	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	7.2	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	2.5	1.8	"	"	"	"	"	"	
m,p-Xylene	5.0	1.8	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
o-Xylene	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	4.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

108 % 76-134 " " " "
99.7 % 78-125 " " " "
88.3 % 77-127 " " " "

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30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-5 (E608096-05) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Dichlorodifluoromethane (F12)	ND	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	ND	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	24	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.4	"	"	"	"	"	"	
Carbon disulfide	ND	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	8.2	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
Chloroform	1.7	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	2.3	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	2.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	5.2	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	5.0	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
m,p-Xylene	3.1	1.8	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
o-Xylene	ND	1.8	"	"	"	"	"	"	

Mid-Atlantic Associates
409 Rogers View Court
Raleigh, NC 27610

Project: MAA082416-11
Project Number: R2611-00 T4055 / Kinston, NC
Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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VP-5 (E608096-05) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16

Bromoform	ND	4.2	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

115 % 76-134

" " " "

Surrogate: Toluene-d8

103 % 78-125

" " " "

Surrogate: 4-Bromofluorobenzene

90.8 % 77-127

" " " "

VP-6 (E608096-06) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16

Dichlorodifluoromethane (F12)	18	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	ND	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	64	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.4	"	"	"	"	"	"	
Carbon disulfide	3.9	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	5.7	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	2.5	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	

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30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
VP-6 (E608096-06) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Bromodichloromethane	ND	2.7	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	13	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	2.9	1.8	"	"	"	"	"	"	
m,p-Xylene	11	1.8	"	"	"	"	"	"	
Styrene	6.3	1.7	"	"	"	"	"	"	
o-Xylene	3.8	1.8	"	"	"	"	"	"	
Bromoform	ND	4.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	4.4	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	3.2	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

111 % 76-134

" " " "

Surrogate: Toluene-d8

102 % 78-125

" " " "

Surrogate: 4-Bromofluorobenzene

93.7 % 77-127

" " " "

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Project Manager: Mr. Kelly Johnson

Reported:
30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Duplicate (E608096-07) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Dichlorodifluoromethane (F12)	ND	4.0	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
Chloromethane	ND	0.8	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	2.8	"	"	"	"	"	"	
Vinyl chloride	ND	0.5	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.1	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	28	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.4	"	"	"	"	"	"	
Carbon disulfide	2.3	1.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
2-Butanone (MEK)	7.4	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	1.8	1.6	"	"	"	"	"	"	
Chloroform	1.7	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.6	"	"	"	"	"	"	
Benzene	1.8	0.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	12	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	2.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	3.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Toluene	4.2	3.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	3.3	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	5.2	2.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
m,p-Xylene	2.5	1.8	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
o-Xylene	ND	1.8	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Duplicate (E608096-07) Vapor Sampled: 19-Aug-16 Received: 24-Aug-16									
Bromoform	ND	4.2	ug/m3	1	EH62601	25-Aug-16	26-Aug-16	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	2.8	"	"	"	"	"	"	
4-Ethyltoluene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		118 %	76-134		"	"	"	"	
Surrogate: Toluene-d8		100 %	78-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.4 %	77-127		"	"	"	"	

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30-Aug-16 11:46

Volatile Organic Compounds by EPA TO-15 - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EH62601 - TO-15

Blank (EH62601-BLK1)

Prepared & Analyzed: 25-Aug-16

Dichlorodifluoromethane (F12)	ND	4.0	ug/m3
Chloromethane	ND	0.8	"
Dichlorotetrafluoroethane (F114)	ND	2.8	"
Vinyl chloride	ND	0.5	"
Bromomethane	ND	1.6	"
Chloroethane	ND	1.1	"
Trichlorofluoromethane (F11)	ND	2.3	"
1,1-Dichloroethene	ND	1.6	"
1,1,2-Trichlorotrifluoroethane (F113)	ND	3.1	"
Methylene chloride (Dichloromethane)	ND	1.4	"
Carbon disulfide	ND	1.3	"
trans-1,2-Dichloroethene	ND	1.6	"
1,1-Dichloroethane	ND	1.6	"
2-Butanone (MEK)	ND	2.4	"
cis-1,2-Dichloroethene	ND	1.6	"
Chloroform	ND	1.0	"
1,1,1-Trichloroethane	ND	2.2	"
1,2-Dichloroethane (EDC)	ND	1.6	"
Benzene	ND	0.6	"
Carbon tetrachloride	ND	1.3	"
Trichloroethene	ND	2.2	"
1,2-Dichloropropane	ND	1.9	"
Bromodichloromethane	ND	2.7	"
cis-1,3-Dichloropropene	ND	1.8	"
4-Methyl-2-pentanone (MIBK)	ND	3.3	"
trans-1,3-Dichloropropene	ND	1.8	"
Toluene	ND	3.1	"
1,1,2-Trichloroethane	ND	2.2	"
2-Hexanone (MBK)	ND	3.3	"
Dibromochloromethane	ND	3.5	"
Tetrachloroethene	ND	2.8	"
1,2-Dibromoethane (EDB)	ND	3.1	"
1,1,1,2-Tetrachloroethane	ND	2.8	"
Chlorobenzene	ND	1.9	"

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Volatile Organic Compounds by EPA TO-15 - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EH62601 - TO-15

Blank (EH62601-BLK1)

Prepared & Analyzed: 25-Aug-16

Ethylbenzene	ND	1.8	ug/m3
m,p-Xylene	ND	1.8	"
Styrene	ND	1.7	"
o-Xylene	ND	1.8	"
Bromoform	ND	4.2	"
1,1,2,2-Tetrachloroethane	ND	2.8	"
4-Ethyltoluene	ND	2.0	"
1,3,5-Trimethylbenzene	ND	2.0	"
1,2,4-Trimethylbenzene	ND	2.0	"
1,3-Dichlorobenzene	ND	2.4	"
1,4-Dichlorobenzene	ND	2.4	"
1,2-Dichlorobenzene	ND	2.4	"
1,2,4-Trichlorobenzene	ND	7.5	"
Hexachlorobutadiene	ND	11	"

Surrogate: 1,2-Dichloroethane-d4	50.4	"	42.9	117	76-134
Surrogate: Toluene-d8	41.8	"	41.4	101	78-125
Surrogate: 4-Bromofluorobenzene	61.8	"	72.9	84.7	77-127

LCS (EH62601-BS1)

Prepared: 25-Aug-16 Analyzed: 26-Aug-16

Dichlorodifluoromethane (F12)	23	4.0	ug/m3	20.2	115	59-128
Vinyl chloride	11	0.5	"	10.4	107	64-127
Chloroethane	8.7	1.1	"	10.7	80.9	63-127
Trichlorofluoromethane (F11)	25	2.3	"	22.6	109	62-126
1,1-Dichloroethene	18	1.6	"	16.2	110	61-133
1,1,2-Trichlorotrifluoroethane (F113)	35	3.1	"	31.0	111	66-126
Methylene chloride (Dichloromethane)	18	1.4	"	14.2	124	62-115
trans-1,2-Dichloroethene	16	1.6	"	16.2	99.6	67-124
1,1-Dichloroethane	18	1.6	"	16.5	109	68-126
cis-1,2-Dichloroethene	17	1.6	"	16.0	106	70-121
Chloroform	23	1.0	"	19.8	113	68-123
1,1,1-Trichloroethane	26	2.2	"	22.2	119	68-125
1,2-Dichloroethane (EDC)	19	1.6	"	16.5	116	65-128
Benzene	15	0.6	"	13.0	112	69-119

QL-1H

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Volatile Organic Compounds by EPA TO-15 - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EH62601 - TO-15

LCS (EH62601-BS1)

Prepared: 25-Aug-16 Analyzed: 26-Aug-16

Carbon tetrachloride	32	1.3	ug/m3	25.6		125	68-132			
Trichloroethene	22	2.2	"	21.9		100	71-123			
Toluene	15	3.1	"	15.4		94.9	66-119			
1,1,2-Trichloroethane	22	2.2	"	22.2		98.7	73-119			
Tetrachloroethene	27	2.8	"	27.6		96.8	66-124			
1,1,1,2-Tetrachloroethane	30	2.8	"	28.0		108	67-129			
Ethylbenzene	15	1.8	"	17.7		86.8	70-124			
m,p-Xylene	16	1.8	"	17.7		90.5	61-134			
o-Xylene	15	1.8	"	17.7		84.8	67-125			
1,1,2,2-Tetrachloroethane	25	2.8	"	28.0		89.3	65-127			

Surrogate: 1,2-Dichloroethane-d4	49.5		"	42.9		116	76-134			
Surrogate: Toluene-d8	42.1		"	41.4		102	78-125			
Surrogate: 4-Bromofluorobenzene	68.6		"	72.9		94.1	77-127			

LCS Dup (EH62601-BS1)

Prepared: 25-Aug-16 Analyzed: 26-Aug-16

Dichlorodifluoromethane (F12)	24	4.0	ug/m3	20.2		118	59-128	3.00	25	
Vinyl chloride	11	0.5	"	10.4		102	64-127	4.29	25	
Chloroethane	8.7	1.1	"	10.7		81.6	63-127	0.922	25	
Trichlorofluoromethane (F11)	23	2.3	"	22.6		101	62-126	8.08	25	
1,1-Dichloroethene	18	1.6	"	16.2		112	61-133	1.35	25	
1,1,2-Trichlorotrifluoroethane (F113)	36	3.1	"	31.0		115	66-126	3.29	25	
Methylene chloride (Dichloromethane)	17	1.4	"	14.2		120	62-115	3.27	25	QL-1H
trans-1,2-Dichloroethene	16	1.6	"	16.2		97.6	67-124	2.02	25	
1,1-Dichloroethane	18	1.6	"	16.5		107	68-126	2.07	25	
cis-1,2-Dichloroethene	17	1.6	"	16.0		104	70-121	1.44	25	
Chloroform	23	1.0	"	19.8		115	68-123	1.09	25	
1,1,1-Trichloroethane	27	2.2	"	22.2		119	68-125	0.208	25	
1,2-Dichloroethane (EDC)	18	1.6	"	16.5		111	65-128	3.73	25	
Benzene	14	0.6	"	13.0		110	69-119	1.79	25	
Carbon tetrachloride	33	1.3	"	25.6		127	68-132	1.98	25	
Trichloroethene	21	2.2	"	21.9		95.7	71-123	4.82	25	
Toluene	14	3.1	"	15.4		93.7	66-119	1.32	25	
1,1,2-Trichloroethane	21	2.2	"	22.2		96.5	73-119	2.29	25	

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Volatile Organic Compounds by EPA TO-15 - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EH62601 - TO-15

LCS Dup (EH62601-BSD1)

Prepared: 25-Aug-16 Analyzed: 26-Aug-16

Tetrachloroethene	27	2.8	ug/m3	27.6		99.5	66-124	2.80	25	
1,1,1,2-Tetrachloroethane	30	2.8	"	28.0		107	67-129	1.16	25	
Ethylbenzene	17	1.8	"	17.7		94.7	70-124	8.77	25	
m,p-Xylene	17	1.8	"	17.7		97.0	61-134	6.90	25	
o-Xylene	16	1.8	"	17.7		92.5	67-125	8.70	25	
1,1,2,2-Tetrachloroethane	26	2.8	"	28.0		93.3	65-127	4.36	25	
Surrogate: 1,2-Dichloroethane-d4	48.3		"	42.9		113	76-134			
Surrogate: Toluene-d8	41.1		"	41.4		99.4	78-125			
Surrogate: 4-Bromofluorobenzene	72.4		"	72.9		99.4	77-127			

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Reported:
30-Aug-16 11:46

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L15-279-R1

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

