



## Limited Phase II Environmental Site Assessment

The Couture  
909 East Michigan Street  
Milwaukee, Wisconsin

Prepared for:

The Couture, LLC  
c/o J.H. Findorff & Son, Inc.  
Milwaukee, Wisconsin

January 13, 2017  
Giles Project No. 1E-1610007





# GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Baltimore, MD
- Dallas, TX
- Los Angeles, CA
- Manassas, VA
- Milwaukee, WI

January 13, 2017

The Couture LLC  
c/o J.H. Findorff & Son, Inc.  
1600 North 6<sup>th</sup> Street  
Milwaukee, WI 53212

Attention: Mr. Dan Weiss  
Project Engineer

Subject: Limited Phase II Environmental Site Assessment  
The Couture  
909 East Michigan Street  
Milwaukee, Wisconsin  
Giles Project No. 1E-1610007

Dear Mr. Weiss:

In accordance with your request and authorization, Giles Engineering Associates, Inc. (Giles) completed a Limited Phase II Environmental Site Assessment for the above-referenced property. Our findings, conclusions, and recommendations are detailed in the accompanying report.

We appreciate and thank you for the opportunity to be of service on this project. If there are any questions or concerns, or you require additional information regarding the information contained herein, please contact the undersigned.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

Kelly M. Hayden  
Staff Scientist

Kevin T. Bugel, P.G., C.P.G.  
Environmental Division Manager

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909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
GILES PROJECT NO. 1E-1610007

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## LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
GILES PROJECT NO. 1E-1610007

### EXECUTIVE SUMMARY

The Couture LLC (the "Client") and their General Contractor, J.H. Findorff & Son, Inc. (Findorff) retained Giles Engineering Associates, Inc. (Giles) to provide pre-development environmental due diligence consulting services for the property ("Site") located at 909 East Michigan Street, Milwaukee County, Milwaukee, Wisconsin. It is Giles understanding that the Client plans to redevelop the Site into a new luxury apartment building. The approximate 2.12-acre Site is currently occupied by the Milwaukee Transit Center and includes an enclosed bus marshalling garage with green space on the roof surface of the bus garage. The Transit Center building is currently unoccupied in preparation for demolition and redevelopment.

Giles completed a Phase I Environmental Site Assessment (ESA) for the Site concurrently with the Limited (Ltd.) Phase II ESA, and Geotechnical Exploration field activities in November, 2016. This assessment has revealed evidence of the following recognized environmental condition in connection with the Site:

- Fill (which contains foundry materials) is located on the Site. Based on information gathered for this assessment, further environmental investigation of the Site, beyond the *Phase II Environmental Site Assessment* performed concurrent with the Phase I ESA for the Site, is not considered warranted at this time. However, fill materials are present on the Site, and the Wisconsin Department of Natural Resources (WDNR) will require a *Development at Historic Fill Site or Licensed Landfill Exemption*. It is understood that the fill material will be removed (approximately 25 to 30 feet below existing grade) during excavation activities for the planned parking structure. The excavated fill material will require off-site disposal at a permitted facility.

Based upon the findings of Phase I ESA, Giles recommended a Ltd. Phase II ESA be conducted to evaluate soil and groundwater environmental conditions at the Site. The Ltd. Phase II ESA was completed in general accordance with a Giles October 2016 proposal (1EP-1609046) authorized by Mr. Dan Weiss of Findorff.

Giles performed the Ltd. Phase II ESA field activities October 20 through November 4, 2016. Sixteen soil borings were completed to evaluate the soil environmental conditions at the Site. Soil samples were field screened using a photoionization detector (PID) and visually described. In addition, eight soil borings (B-1, B-4, B-5, B-7, B-10, B-11, B-13, and B-14) were completed as temporary groundwater wells to evaluate the groundwater environmental conditions.





**EXECUTIVE SUMMARY (Continued)**  
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Two soil samples from each boring were collected and submitted for laboratory analysis, including: 1) One shallow sample collected from the fill; and, 2) One deeper sample collected from the deeper interval, presumed to be native soil. Soil samples were submitted for analysis for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and select Resource Conservation and Recovery Act (RCRA) metals including, arsenic, lead, selenium, and mercury.

One groundwater grab sample was collected from each temporary groundwater monitoring well. In addition, Giles' Geotechnical Division installed three groundwater monitoring wells (MW-1 through MW-3) to evaluate the groundwater elevation fluctuations. Geotechnical groundwater monitoring well MW-3 was sampled during the Ltd Phase II ESA to provide an additional groundwater sample representative of the groundwater condition near B-15. Groundwater samples were submitted for analysis for VOCs, PAHs, and select RCRA metals including arsenic and lead.

Materials encountered during the advancement of the sixteen soil borings of the Ltd. Phase II ESA included a 9-inch thick concrete slab over the area investigated during the Ltd. Phase II ESA, underlain by 1 to 2 feet of sand and gravel granular fill material. The sand and gravel granular fill was underlain by fill that generally consisted of brown fine to medium sand with varying amounts of clay and gravel and trace wood fragments. Fill material in several borings also included 0.5 to 5 feet of suspected foundry material and/or burnt anthropogenic refuse (incinerated waste) consisting of black fine to medium sand and cinders. The fill materials ranged from approximately 5 to 18 feet below ground surface (bgs), generally increasing in thickness from west to east. The fill materials were underlain by native soil generally consisting of brown to gray medium sand and brown to gray clay and silty clay with varying amounts of gravel.

Shallow groundwater was encountered between approximately 10.3 to 15.6 feet bgs. Based upon local topography, the direction of groundwater flow for shallow groundwater is inferred to be east across the Site towards Lake Michigan.

PID responses above 5 instrument units (iu) were recorded for several sample intervals in each of the borings. No staining, or unusual odors were detected in the soil samples.

The following conclusions and recommendations are provided based upon findings of this Ltd. Phase II ESA.

- Benzene was detected above the Wisconsin Administrative Code (WAC) Ch. NR 720 Residual Contaminant Level (RCL) for groundwater protection in samples collected from the shallow fill material in six boring locations. Trichloroethene (TCE) was detected in the sample collected from the shallow fill material in one soil boring. No other VOCs were detected above RCLs for groundwater protection or direct contact in the remaining soil borings.



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Giles recommends additional soil sampling around borings B-1, B-2, B-4, B-10, B-11, and B-14 to define the extent of benzene impacted soil in those locations. We also recommend additional soil sampling around boring B-15 to define the extent of TCE impacted soil.

- Several PAHs were detected in the soil samples collected from fill material at concentrations that exceed their respective RCLs for direct contact and/or groundwater protection in the 16 soil samples submitted for laboratory analysis in the shallow fill material. No PAHs were detected above their respective RCLs in samples from native soil. Due to the widespread distribution of PAH impacts, Giles recommends additional PAH soil sampling be performed throughout the Site to further delineate the depth and distribution of impacted fill material, generate additional pertinent data for soil management and disposal purposes, and to have a data set sufficient for Site closure.
- Select metals including arsenic, lead, selenium, and mercury were detected in the shallow fill samples collected from borings B-1 through B-16 at concentrations exceeding above their respective RCLs for direct contact (B-8) and/or groundwater protection. Arsenic was detected at concentrations above the RCL for groundwater protection in the soil samples collected from native soil. However, the results for the majority of the samples were detected between the laboratory method detection limit (MDL) and reporting limit, indicating that they are estimated values. Giles recommends additional RCRA metal soil sampling be performed throughout the Site to further delineate the depth and distribution of impacted fill material, generate additional pertinent data for soil management and disposal purposes, and to have a data set sufficient for Site closure.
- The laboratory results indicate that the fill soil contains VOC, PAH, and metals impacts. Therefore, fill soil removed from the Site must be properly managed if it is to be removed from the site. VOCs and PAHs were not detected in samples from the native soil; however arsenic was detected in native soil above the RCL for groundwater protection. The detected metals do not qualify the native soils as a waste, however the native soil removed from the Site must be properly managed under Ch. NR 718.
- Low level VOCs were detected in the groundwater samples collected from TWB-10 and MW-3. However, neither VOC exceeded their respective WAC Ch. NR 140 preventive action limits (PALs). No other VOCs were detected above their respective MDLs in groundwater sampled. No further investigation of VOCs in groundwater is recommended at this time.
- Several PAHs were detected in groundwater samples collected at the Site during the Ltd. Phase II ESA. PAHs exceeded their respective PALs but were below their respective WAC Ch. NR 140 Enforcement Standards (ES) in groundwater samples collected from TWB-1 and TWB-4. The elevated concentrations of PAHs were likely due to the presence of suspended solids (turbidity) within the groundwater sample. No other PAHs were detected above their respective PALs or ESs. Therefore, it is Giles's opinion that no further investigation regarding PAHs in groundwater is necessary at the Site.



**EXECUTIVE SUMMARY (Continued)**  
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- Both dissolved arsenic and lead were detected in groundwater at the Site. Concentrations of arsenic exceeded the PAL in the sample collected from TWB-7 and the sample from TWB-11 exceeded the ES. Lead was detected in groundwater from TWB-13 at a concentration exceeding the PAL. The elevated concentrations of arsenic and lead were likely due to the presence of suspended solids (turbidity) within the groundwater sample. In addition, concentrations of arsenic and lead were detected between the laboratory MDL and reporting limit, indicating that they are estimated values. Neither Lead nor arsenic was detected above their MDLs in the other groundwater samples collected. Therefore, it is Giles's opinion that no further investigation regarding RCRA metals in groundwater is necessary at the Site.
- The "Wisconsin Spill Law" (Chapter 292.11, Wisconsin Statutes) requires that the Wisconsin Department of Natural Resources (WDNR) be notified if hazardous substances are detected in soil and groundwater. Giles found no evidence of a spill or release on Site, therefore, it is Giles' opinion that the detected compounds and metals are a result of the historic placement of the fill at the Site. However, Giles recommends that the property owner be advised of their statutory obligation to provide notification of the soil and groundwater condition to the WDNR. In addition, Giles recommends the preparation of an application for exemption to build on a historic fill site and submittal to the WDNR for review. The WDNR will likely approve the exemption request a head of, or concurrent with the redevelopment of the Site.
- It is Giles' understanding that the current structures occupying the Site will be razed in advance of development activities. Fill soil samples collected within the upper 4 feet of soil from across the Site contain concentrations of VOCs, PAHs, and/or metals that exceed their respective RCLs for direct contact and/or groundwater protection. Giles recommends the concrete slab currently covering the entire Site be maintained during razing of the structures until construction activities commence in late summer of 2017. The slab will act as a cap over the soil, preventing direct contact and the infiltration of surface water into the subsurface.
- VOC, PAH, and metals impacts exist within the fill material at the Site from 5 to 18 feet bgs. Therefore, if soil is to be removed from the Site during development activities, it will need to be properly managed. Giles recommends a soil management plan be prepared in advance of construction to ensure the proper handling of the soil, if it is to be landfilled.
- Giles estimates that between 39 and 45 thousand cubic yards of soil will be generated during construction activities that will need to be managed. The soil may be disposed of at a licensed solid waste landfill with limited sampling of the excavation base prior to or during construction. Alternatively, the WDNR may be petitioned under Ch. NR 718 Low Hazard Exemption to permit the disposal of the soil at an alternative disposal facility (i.e. quarry reclamation). Disposal at the alternative facility other than a landfill would require approval by the WDNR and approximately 100 additional soil samples collected and analyzed for VOCs, PAHs and Metals from the material to be removed.



## 1. INTRODUCTION

Giles Engineering Associates, Inc. (Giles) performed a Limited (Ltd.) Phase II Environmental Site Assessment (Ltd. Phase II ESA) the property located at 909 East Michigan Street, Milwaukee County, Milwaukee, Wisconsin (the "Site"). The services were performed at the request of The Couture LLC (the "Client") c/o Mr. Dan Wiess of J.H. Findorff & Son, Inc. (the "General Contractor") in general accordance with a Giles October 14, 2016 proposal (1EP-1609046). Important information regarding this geoenvironmental report is included in Appendix A.

The purpose of the Ltd. Phase II ESA was to evaluate the environmental conditions associated with the soil and groundwater with respect to volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and select Resource Conservation and Recovery Act (RCRA) metals, including arsenic, lead, mercury, and selenium. The field activities were performed between October 20 through November 4, 2016 in general accordance with applicable state of Wisconsin and American Society for Testing and Materials (ASTM) standards and guidance.

## 2. BACKGROUND INFORMATION

The approximate 2.12-acre Site is currently occupied by the Milwaukee Transit Center and includes an enclosed parking area with green space on the surface. The Transit Center building and bus marshalling garage structure are currently unoccupied in preparation for demolition and redevelopment. The Client retained Giles to provide pre-redevelopment environmental due diligence consulting services for the Site. Giles completed Phase I Environmental Site Assessment (Phase I ESA) of the Site (Giles Project No. 1E-1610006) dated November 4, 2016, concurrent with the Ltd. Phase II ESA, and Geotechnical Exploration field activities.

The Phase I ESA revealed evidence of the following recognized environmental condition in connection with the Site:

- Fill (which contains foundry material) is located on the Site. Based on information gathered for this assessment, further environmental investigation of the Site, beyond the *Phase II Environmental Site Assessment* performed concurrent with the Phase I ESA for the Site, is not considered warranted at this time. However, fill materials are present on the Site, and the Wisconsin Department of Natural Resources (WDNR) will require a *Development at Historic Fill Site or Licensed Landfill Exemption*. It is understood that the fill material will be removed (approximately 25 to 30 feet below existing grade) during excavation activities for the planned parking structure. The excavated fill material will require off-site disposal at a permitted facility.

Based upon the Phase I ESA findings, Giles recommended a Ltd. Phase II ESA to evaluate the fill material, the native soil, and groundwater quality at the Site.



### 3. SCOPE OF SERVICES

The scope of services completed for the Ltd. Phase II ESA included the following tasks.

- Prepared a sampling plan to facilitate the collection of soil and groundwater samples.
- Coordinated the clearing of utilities.
- Cored the concrete floor at 16 locations and advanced sixteen (16) direct-push soil borings to depths ranging from approximately 15 and 22 feet below ground surface (bgs). The borings were completed on an approximate 75-foot grid spacing (Figure 2) to evaluate the potential environmental impacts associated with suspected fill material throughout the Site.
- Performed field screening on each 2 foot soil sample interval using a photoionization detector (PID).
- Collected two soil samples from each boring, one shallow sample from the fill interval and one deeper sample from native soil. The selected soil samples were submitted to a State of Wisconsin certified analytical laboratory for laboratory analysis of VOCs by US EPA Method 8260B, PAHs by US EPA Method 8070, and the RCRA metals arsenic, lead, mercury and selenium by US EPA Methods 6010, 7196A, 7199, or 7471A.
- Placed temporary (prepacked) well screens in eight (8) of the soil borings to facilitate groundwater sample collection.
- Developed the wells in general accordance with Ch. NR 141, collected groundwater samples from each well, and submitted them to a State of Wisconsin certified analytical laboratory for laboratory analysis for VOCs (8260B), PAHs (8270 Sim), and lead and arsenic (6010).
- Abandoned all borings in accordance with Wisconsin Department of Natural Resources (WDNR) requirements.
- Evaluated the information collected and prepared a Ltd. Phase II ESA Report, summarizing the tasks performed, the results of the chemical analyses, and recommendations for the construction phase of the proposed development.
- Project management and peer review.

### 4. SITE DESCRIPTION

#### 4.1. Setting and Location

The Site is located in a commercial area along the south side of East Michigan Street and north of East Clybourn Street in the City of Milwaukee, Wisconsin. Based on a review of the client-provided ALTA Survey dated August 10, 2016, the Site appears to grade downward to the south, with an elevation change of approximately 5 feet. The Site location is shown on Figure 1.



#### **4.2. Historic and Current Site Use**

The Phase I review of historic maps of Milwaukee show the ancestral Lake Michigan shoreline encompassing approximately 1/3 of the property from 1837 until circa 1882, when it is interpreted that the property was filled to create a developable land. Historical aerial photographs from 1937 through 1963 show the Site developed with a passenger train terminal and freight storage buildings with several railroad tracks running north to south near the eastern property boundary. In 1963, the buildings remained, but the railroad tracks were removed. The buildings were removed on the 1967 aerial, with no apparent on-Site development through 1976. From 1980 to at least 1990, the property was utilized as a paved parking lot, and by 1995, the property was developed with its current structures and features.

The Site is currently occupied by a four-level, vacant transit center. The ground floor is occupied by a bus marshalling garage structure, with a transit center lobby within the northern portion. Much of the bus garage structure is covered by greenspace, including grassy areas, concrete walkways, and other landscaping features. Only the north-central portion of the transit building has a second floor. The third floor of the building is occupied by mechanical equipment. The fourth floor consists only of a clock tower.

### **5. INVESTIGATION PROCEDURES**

Giles used several methods to evaluate the soil and groundwater conditions at the Site. The methods used during the investigation are described below.

#### **5.1. Soil Sampling, Screening, and Analyses**

Giles Drilling Division cored the concrete at each location prior to sampling. Giles Drilling Division personnel sampled soil in borings B-1 through B-16 using cart mounted and/or truck-mounted direct-push sampling methods. Soil samples were collected continuously to total borehole depth using a 4 or 5-foot long 2-inch inside diameter Macro-Core® soil sampler. Sample procedures included using a new, acetate liner for each soil sample interval to prevent cross contamination. No lubricants or solvents were used on the sampling equipment. The 4 or 5-foot extracted soil samples were subsequently split into 2-foot sample intervals.

Soil collected from each 2-foot sample interval was placed in a re-sealable container for infield screening to measure the presence of organic vapors using a PID. The field screening sample was sealed in a 1-quart plastic bag. Care was taken to maintain a relatively constant soil volume-to-headspace volume ratio for all samples. The sealed sample was agitated to break up the soil to allow volatilization to occur. The plastic bags were then carefully punctured with the PID probe, and the highest stable response occurring in 10 to 20 seconds was recorded. A Rae Systems MiniRae Model 2000 organic vapor meter equipped with a 10.6 electron-volt lamp was used to field screen the samples. The PID calibration was checked before use using isobutylene (benzene equivalent) calibration gas.





A Giles geologist maintained a log of the boreholes, and visually described soil from each boring in the field in general conformance with ASTM D-2488. Logs were prepared presenting information on color, soil type, grain size distribution, odor, moisture content, and PID response. The soil classifications were documented on soil boring logs and are included in Appendix B.

Two soil samples from each boring, based on PID response, appearance, and odor, were selected for laboratory analysis of VOCs, PAHs, and select RCRA metals. One shallow sample from the fill and one deeper sample from native soil were collected.

For VOC analysis, approximately 10 grams of soil were placed into laboratory-provided 40 milliliter (mL) vials which contained 10 mL of methanol preservative and sealed with silicone septa-type lids. For PAH and metals analysis, laboratory-provided 4-ounce glass containers were filled with soil and sealed with a Teflon™-lined lid. Soil samples were packed with ice in a cooler and shipped via courier under chain-of-custody protocol to document sample preparation and handling to Pace Analytical Services, Inc. (Pace) for analyses. The samples were analyzed for VOCs using Method 8260B; PAHs using Method 8270Sim; and the RCRA metals arsenic, selenium, lead, and mercury using applicable SW846 Methods 6010B, 7196A, 7199, or 7471A.

## 5.2. Groundwater Well Construction and Sampling

Giles Drilling Division installed temporary groundwater wells in borings B-1, B-4, B-5, B-7, B-10, B-11, B-13, and B-14 to facilitate groundwater sample collection. The temporary wells consisted of a 5-foot length of 1-inch diameter polyvinyl chloride (PVC) mill-slotted “pre-pack” well screen flush-threaded to a length of blank PVC riser casing to extend the well to the ground surface. The casing string was placed in the open borehole. Giles’ Geotechnical Division installed three groundwater monitoring wells (MW-1 through MW-3) as part of their evaluation to evaluate groundwater level fluctuations. Geotechnical groundwater monitoring well MW-3 was developed, purged, and sampled during the Phase II ESA to provide an additional groundwater sample in the vicinity of B-15.

The monitoring wells were developed after installation by surging and purging until the water became clear. The wells were purged using a peristaltic pump with ¼-inch polyethylene tubing to purge water from the well, and a weighted polyethylene bailer as a surge block. Well TWB-1 was able to be purged dry during development, the remaining wells were not able to be purged dry.

Groundwater samples were collected from each monitoring well using a peristaltic pump with new disposable tubing after the wells had recharged sufficiently for sampling. Turbidity was measured at the time of sampling using a LaMotte 2020e Turbidity Meter to evaluate the quality of the groundwater sample. Water samples were submitted to Pace for laboratory analysis of VOCs, PAHs, and RCRA metals arsenic and lead. The water sampled for VOC analyses was transferred directly from pump discharge tube into three laboratory-provided, hydrochloric acid (HCL)-preserved, 40-mL glass vials. Water sampled for PAH analyses were pumped directly from the discharge tubing into two laboratory-provided 250-mL amber glass jars. Samples analyzed for metals were field-



filtered through a 0.45 micrometer filter before collection within a laboratory-provided, nitric acid (HNO<sub>3</sub>)-preserved 250-mL plastic container. Upon collection, the groundwater samples were immediately placed in an iced-down cooler. The samples were shipped via courier under chain-of-custody protocol and handling to Pace for analyses.

## 6. INVESTIGATION RESULTS AND DISCUSSION

### 6.1. Subsurface Soil and Hydrogeologic Conditions

Borings B-1 through B-15 were advanced to depths ranging from 15 to 22 feet bgs. Soil boring B-16 encountered refusal at 11 feet bgs and could not be advanced deeper. A 9-inch thick concrete slab covered the area of the Ltd. Phase II ESA study, with 1 to 2 feet of sand and gravel granular fill material present below the slab. Underlying the granular fill was fill material of variable content to depths ranging from approximately 5 to 18 feet bgs. The fill generally consisted of brown fine to medium sand with varying amounts of clay and gravel and trace wood fragments. Fill material in several borings also included 0.5 to 5 feet of suspected foundry material (sand and slag) and/or burnt anthropogenic refuse (incinerated waste) consisting of black fine to medium sand and cinders. The fill materials were underlain by native soil, generally consisting of brown to gray medium sand, clay, and silty clay with varying amounts of gravel. Soil descriptions are provided on borehole logs provided in Appendix B.

Shallow groundwater was encountered between approximately 10.3 to 15.6 feet bgs during sampling activities.

### 6.2. Soil Sample Field Screening and Laboratory Analytical Results

Soil samples were collected from 2 to 4 feet bgs to evaluate the environmental conditions within the fill at the Site. A deeper soil sample from each boring within the inferred native material was also collected to evaluate the vertical distribution of soil impact.

The WDNR bases its soil screening levels on current USEPA regional screening levels (RSLs). The laboratory results are summarized and compared to generic Wisconsin Administrative Code (WAC) Ch. NR 720 residual contaminant levels (RCLs) for direct contact at non-industrial land use sites, soil-to-groundwater (groundwater protection), and background threshold values (BTVs) that were updated June 2016<sup>1</sup>.

#### 6.2.1. Field Screening

PID responses above 5 instrument units (iu) were recorded for several sample intervals in each of the borings. However, no staining, or unusual odors were detected in the soil samples. PID field screening results are provided on the borehole logs in Appendix B.

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<sup>1</sup> Source: WDNR website: <http://dnr.wi.gov/topic/Brownfields/Professionals.html>.



### **6.2.2. VOC Results**

Several VOCs were detected in soil samples collected from B-1 through B-16. Benzene was detected above the Ch. NR 720 RCLs for groundwater protection in samples collected from the shallow fill material in six boring locations (B-1, B-2, B-4, B-10, B-11, and B-14). In addition, benzene was detected in one deep sample (B-14) at a concentration above the RCL for groundwater protection.

Trichloroethene (TCE) was detected in the sample collected from the shallow fill material in one soil boring (B-15). No other VOCs were detected above RCLs for groundwater protection or direct contact in the remaining soil borings completed during the Ltd. Phase II ESA.

Soil VOC analytical results are summarized in Table 1. Copies of the soil VOC laboratory analytical reports are included in Appendix C.

### **6.2.3. PAH Results**

Several PAHs were detected at concentrations that exceed their respective RCLs for direct contact and/or groundwater protection in the 16 shallow fill material samples submitted for laboratory analysis in the shallow fill material. The PAHs detected in shallow fill material exceeded their respective RCLs for direct contact for non-industrial land use sites and/or groundwater protection. In addition, deep soil samples from B-12 (14-16 feet bgs) and B-14 (14-15 feet bgs) contained concentrations of PAHs that exceeded WDNR RCLs for groundwater pathway. No other PAHs were detected above their respective WDNR RCLs in the deeper samples. Upon review of boring logs in the vicinity of B-12 and B-14, it was determined that the deep soil samples collected from B-12 and B-14 were collected within the fill material and are therefore not representative of the native soil.

Soil PAH analytical results are summarized in Table 2. Copies of the soil PAH laboratory analytical reports are included in Appendix C.

### **6.2.4. RCRA Metals Results**

Select metals including arsenic, lead, selenium, and mercury were detected in the shallow fill material samples collected from borings B-1 through B-16 at concentrations exceeding above their respective RCLs for direct contact (B-8) for non-industrial land use sites and/or groundwater protection (B-1 through B-16). Arsenic was detected at concentrations above the WDNR RCL for groundwater protection in the soil samples collected from inferred native soils (B-1 through B-15). However, the arsenic results for several of these samples were detected between the laboratory method detection limit (MDL) and reporting limit, indicating that they are estimated values.

WDNR direct-contact RCLs apply to soil within 4 feet of the ground surface. The WDNR uses a background threshold value (BTV) as an acceptable state-wide background concentration for certain RCRA metals which replaces the RCLs within the upper 4 feet, where applicable.



Soil select RCRA metals analytical results are summarized in Table 3. Copies of the select soil RCRA metals laboratory analytical reports are included in Appendix C.

### **6.3. Groundwater Sample Laboratory Analytical Results**

The groundwater sample laboratory results are discussed below and summarized and compared to their respective current WAC Ch. NR 140 preventive action limits and (PALs) enforcement standards (ES).

Eight temporary wells (TWB-1, TWB-4, TWB-5, TWB-7, TWB-10, TWB-11, TWB-13, TWB-14) were installed within borings where shallow soil samples were most impacted with VOCs, PAHs, and/or metals. Pre-pack well screens were used to minimize turbidity in the water samples. However, the presence of suspended solids in groundwater samples could result in higher detected compound concentration and/or the detection of compounds not dissolved in groundwater in samples analyzed for PAHs and metals. Giles geotechnical monitoring well MW-3 was also sampled due to its close proximity to a boring B-15 with impacted shallow fill material.

#### **6.3.1. VOC Results**

Toluene was detected in the groundwater sample collected from MW-3, and p-isopropyltoluene was detected in groundwater collected from TWB-10 and MW-3. However, neither VOC was detected at levels exceeding their respective PALs. No other VOCs were detected above their respective laboratory MDLs in groundwater sampled.

Groundwater VOC analytical results are summarized in Table 4. Copies of the groundwater VOC laboratory analytical reports are included in Appendix D.

#### **6.3.2. PAH Results**

Several PAHs were detected in groundwater samples collected from the eight environmental wells and one geotechnical well in conjunction with the Ltd. Phase II ESA sampling. The PAHs benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected in the samples collected from TWB-1 and TWB-4 at concentrations exceeding their respective PALs, but at concentrations below their ES. No other PAHs were detected above their respective PALs or ESs.

Groundwater PAH analytical results are summarized in Table 5. Copies of the groundwater PAH laboratory analytical reports are included in Appendix D.

#### **6.3.3. RCRA Metals Results**

The RCRA metals including both arsenic and lead were detected in groundwater at the Site. Concentrations of arsenic exceeded the PAL in the sample collected from TWB-7 and the sample from TWB-11 exceeded the ES. Lead was detected in groundwater from TWB-13 at a concentration that exceeds the PAL. Lead and/or arsenic were not detected above their MDLs in the remaining groundwater samples collected from the environmental and geotechnical wells.



Groundwater RCRA metals analytical results are summarized in Table 6. Copies of the groundwater RCRA metals laboratory analytical reports are included in Appendix D.

## 7. CONCLUSIONS AND RECOMMENDATIONS

Sand and gravel granular fill material was encountered beneath the concrete slab from 1.5 to 2 feet bgs throughout the Site. The granular fill material underlain by fill generally consisting of brown fine to medium sand with varying amounts of clay and gravel with trace wood fragments was encountered to depth depths ranging from approximately 5 to 18 feet bgs. The fill material in several borings also included 0.5 to 5 feet of suspected foundry material and/or burnt anthropogenic refuse (incinerated waste) consisting of black fine to medium sand and cinders. The fill materials were underlain by native soils generally consisting of brown to gray medium sand, clay, and silty clay with varying amounts of gravel.

Shallow groundwater was encountered between approximately 10.3 and 15.6 feet bgs. Based upon local topography, the direction of groundwater flow for shallow groundwater is inferred to be east across the Site towards Lake Michigan. Review of groundwater data for other closed WDNR Sites in the vicinity of the Site substantiates this conclusion.

PID responses (above 5 iu) were recorded for several sample intervals in each of the borings. No staining, or unusual odors were detected in the soil samples. The variability in PID response from the shallow fill material is inferred to be the result of moisture interference in the samples and not necessarily resulting from the presence of organic vapors. Several of the sample bags accumulated condensate prior to field screening.

The following conclusions and recommendations are provided based upon findings of this Ltd. Phase II ESA.

- Benzene was detected at six locations and TCE was detected above the WDNR RCL at one location above their respective WDNR RCLs for groundwater protection in samples from the shallow fill material. Giles recommends additional soil sampling around borings B-1, B-2, B-4, B-10, B-11, B-14 and -15 to define the extent of the benzene and TCE impacts in those areas.
- Several PAHs were detected in the soil samples collected from the shallow fill material at concentrations that exceed their respective RCLs for direct contact for non-industrial land use sites and/or groundwater protection. The deep soil samples from B-12 (14-16 feet bgs) and B-14 (14-15 feet bgs) contained concentrations of PAHs that exceeded WDNR RCLs for groundwater pathway. Upon review of boring logs in the vicinity of B-12 and B-14, it was determined that the deep soil samples collected from B-12 and B-14 were collected within the fill material and are therefore not representative of the native soil. No PAHs were detected above their respective WDNR RCLs in samples collected from native soil.

Due to the widespread distribution of PAH impacts, Giles recommends additional PAH soil sampling be performed throughout the Site to further delineate the depth and distribution of impacted fill material, generate additional pertinent data for soil management and disposal purposes, and to have a data set sufficient for Site closure.



- Select metals including arsenic, lead, selenium, and mercury were detected in the samples collected from the shallow fill in borings B-1 through B-16 at concentrations exceeding above their respective RCLs for direct contact (B-8) and/or groundwater protection (B-1 through B-16). In addition, arsenic was detected at concentrations above the RCL for groundwater protection in the soil samples collected from native soil. However, the majority of these concentrations were between the laboratory MDL and reporting limit, indicating that they are estimated values.

Giles recommends additional RCRA metal soil sampling be performed throughout the Site to further delineate the depth and distribution of impacted fill material, generate additional pertinent data for soil management and disposal purposes, and to have a data set sufficient for Site closure.

- The laboratory results indicate that the fill soil contains VOC, PAH, and metals impacts. Detected parameters and physical characteristics of the sampled fill soils necessitate disposal of this soil at a licensed treatment/disposal facility (e.g., a landfill), or at an alternative WDNR approved fill site under Ch. NR 718.

VOCs and PAHs were not detected in samples from the native soil; however arsenic was detected in native soil above the RCL for groundwater protection. The detected metals do not qualify the native soils as a waste, however the native soil removed from the Site must be properly managed under Ch. NR 718.

- Low level VOCs including p-isopropyltoluene toluene were detected in the groundwater samples collected from TWB-10 and MW-3. However, neither VOC exceeded their respective WAC Ch. NR 140 PALs. No other VOCs were detected above their respective MDLs in groundwater sampled. No further investigation of VOCs in groundwater is recommended at this time.
- Several PAHs were detected in groundwater samples collected at the Site during the Ltd. Phase II ESA. PAHs exceeded their respective PALs but were below the WAC Ch. NR 140 ES in groundwater samples collected from TWB-1 and TWB-4. The elevated concentrations of PAHs were likely due to the presence of suspended solids (turbidity) within the groundwater sample. No other PAHs were detected above their respective PALs or ESs. Therefore, it is Giles's opinion that no further investigation regarding PAHs in groundwater is necessary at the Site
- Several PAHs were detected in groundwater samples collected at the Site during the Ltd. Phase II ESA. Benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected in the samples collected from TWB-1 and TWB-4 at concentrations exceeding their respective PAL but below the ES. No other PAHs were detected above their respective PAL or ES in the remaining groundwater samples.

Turbidity measurements for groundwater samples collected from TWB-1 and TWB-4 recorded at the time of sampling were greater than 1055 NTUs, indicating highly turbid conditions. Giles infers that the elevated concentrations of PAHs were likely due to the presence of suspended solids within the groundwater sample. Therefore, it is Giles's opinion that no further investigation regarding PAHs in groundwater is necessary at the Site.





- Both arsenic and lead were detected in groundwater at the Site. Concentrations of arsenic exceeded the PAL in the sample collected from TWB-7 and the sample from TWB-11 exceeded the ES. Lead was detected in groundwater from TWB-13 at a concentration above the PAL.

Turbidity measurements for groundwater samples collected from TWB-7 and TWB-11 recorded at the time of sampling were greater than 10 NTUs, indicating turbid conditions. The elevated concentrations of arsenic and lead were likely due to the presence of suspended solids within the groundwater sample. In addition, concentrations of arsenic and lead were detected between the laboratory MDL and reporting limit in the majority of the samples, indicating that they are estimated values. Neither Lead nor arsenic was detected above their MDLs in the other groundwater samples collected. Therefore, it is Giles's opinion that no further investigation regarding RCRA metals in groundwater is necessary at the Site.

- The "Wisconsin Spill Law" (Chapter 292.11, Wisconsin Statutes) requires that the WDNR be notified if hazardous substances are detected in soil and groundwater. Giles found no evidence of a spill or release on Site, therefore, it is Giles' opinion that the detected VOCs, PAHs, and metals are a result of the historic placement of the fill at the Site. Giles recommends that the property owner be advised of their statutory obligation to provide notification of the soil and groundwater conditions to the WDNR. In addition, Giles recommends an application for exemption to build on a historic fill site be prepared and submitted to the WDNR for review. The WDNR will likely approve the exemption request prior to or concurrent with the redevelopment.
- It is Giles' understanding that the current structures occupying the Site will be razed in advance of development activities. Fill soil samples collected within the upper 4 feet of soil from across the Site contain concentrations of VOCs, PAHs, and/or metals that exceed their respective RCLs for direct contact and/or groundwater protection. Giles recommends the concrete slab currently covering the entire Site be maintained during razing of the structures until construction activities commence in late summer of 2017. The slab will act as a cap over the soil, preventing direct contact and the infiltration of surface water into the subsurface.
- VOC, PAH, and metals impacts exist within the fill material at the Site from 5 to 18 feet bgs. Therefore, if soil is to be removed from the Site during development activities, it will need to be properly managed. Giles recommends a soil management plan be prepared in advance of construction to ensure the proper handling of the soil, if it is to be landfilled.
- Giles estimates that between 39 and 45 thousand cubic yards of soil will be generated during construction activities that will need to be managed. The soil may be disposed of at a licensed solid waste landfill with limited sampling of the excavation base prior to or during construction. Alternatively, the WDNR may be petitioned under Ch. NR 718 Low Hazard Exemption to permit the disposal of the soil at an alternative disposal facility (i.e. quarry reclamation). Disposal at the alternative facility other than a landfill would require approval by the WDNR and approximately 100 additional soil samples collected and analyzed for VOCs, PAHs and Metals from the material to be removed.



## 8. GENERAL COMMENTS

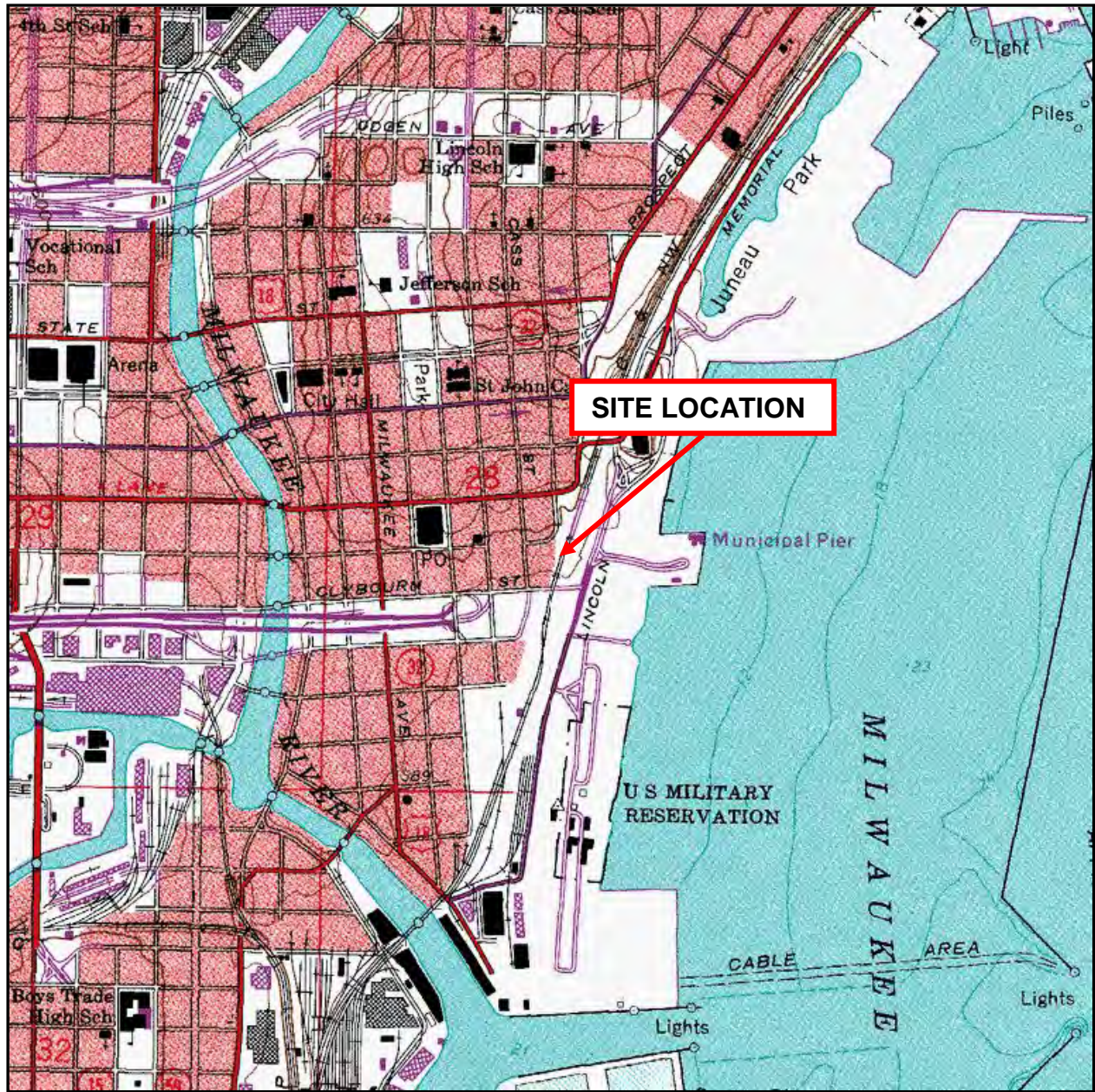
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This report was prepared to aid in the evaluation of the Site located at 909 East Michigan Street, Milwaukee County, Milwaukee, Wisconsin with regard to the potential for hazardous substance and/or petroleum hydrocarbon presence at the time of this study. The boring logs and related information provided in the appendix depict subsurface conditions only at specific locations drilled and at the particular times designated on the logs. Soil conditions at other locations may differ from conditions occurring at these boring locations. In addition, the passage of time may result in a change of soil conditions at the boring locations.

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## FIGURES



Source: USGS *Milwaukee, Wisconsin* 7.5-Minute Series (topographic) Quadrangle Map (1958; photorevised in 1971)

Scale: 1:24,000  
 Contour Interval: 10 Feet



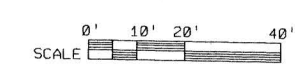
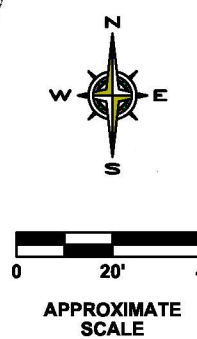
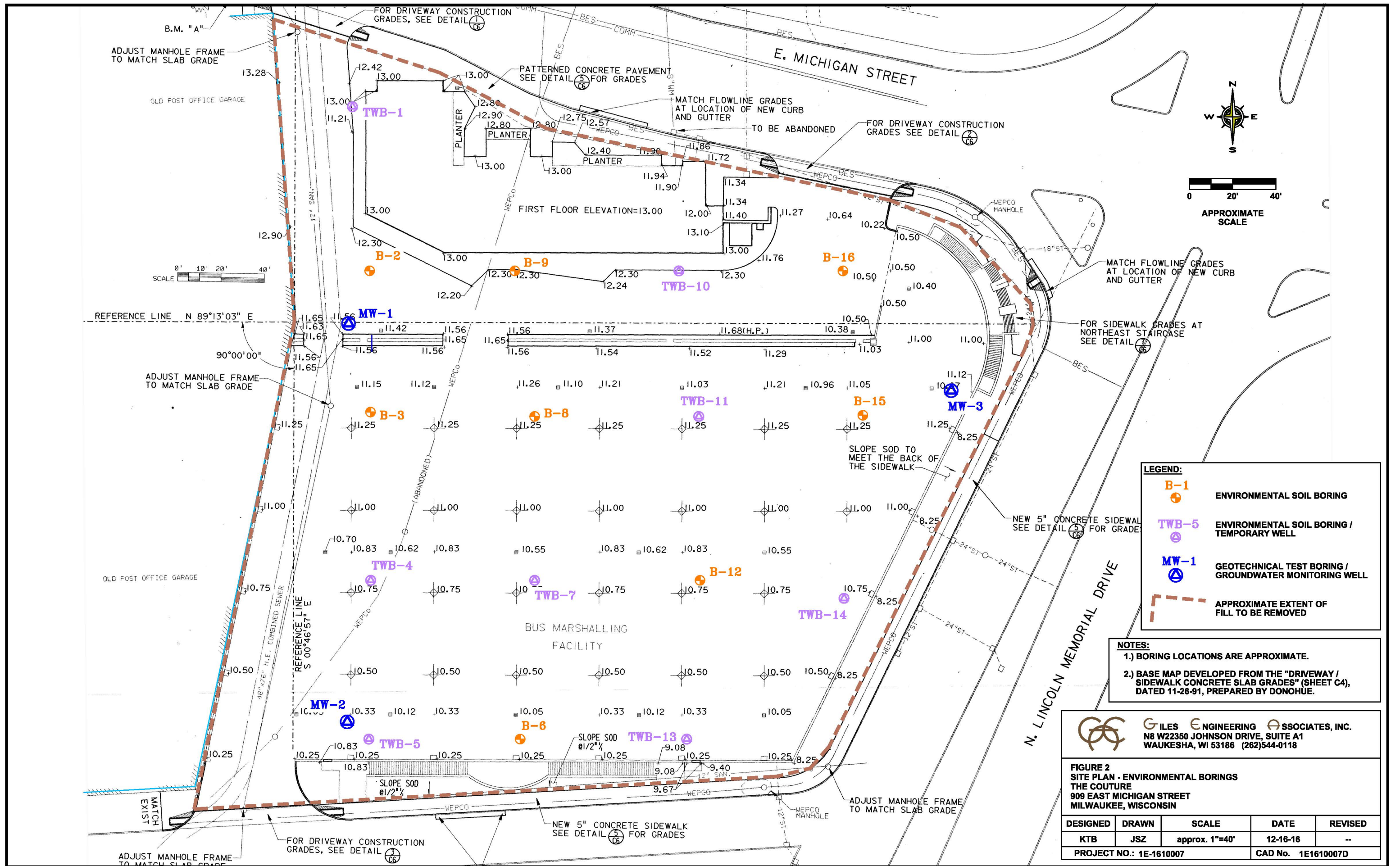
**FIGURE 1  
 SITE LOCATION MAP**

**The Couture Development  
 909 East Michigan Street  
 Milwaukee, Wisconsin  
 Project No. 1E-161007**



**GILES**  
 ENGINEERING ASSOCIATES, INC.





**LEGEND:**

- ⊕ B-1 ENVIRONMENTAL SOIL BORING
- ⊕ TWB-5 ENVIRONMENTAL SOIL BORING / TEMPORARY WELL
- ⊕ MW-1 GEOTECHNICAL TEST BORING / GROUNDWATER MONITORING WELL
- APPROXIMATE EXTENT OF FILL TO BE REMOVED

**NOTES:**

- 1.) BORING LOCATIONS ARE APPROXIMATE.
- 2.) BASE MAP DEVELOPED FROM THE "DRIVEWAY / SIDEWALK CONCRETE SLAB GRADES" (SHEET C4), DATED 11-26-91, PREPARED BY DONOHUE.

**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON DRIVE, SUITE A1  
 WAUKESHA, WI 53186 (262)544-0118

**FIGURE 2  
 SITE PLAN - ENVIRONMENTAL BORINGS  
 THE COUTURE  
 909 EAST MICHIGAN STREET  
 MILWAUKEE, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB	JSZ	approx. 1"=40'	12-16-16	--
PROJECT NO.: 1E-1610007			CAD No. 1E1610007D	

## **TABLES**



TABLE 1  
SOIL ANALYTICAL RESULTS SUMMARY-DETECTED VOCs  
THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
PROJECT NO. 1E-1610007

Analyte	Sample Location																NR 720 RCL <sup>1</sup> (µg/kg)	
	B-1		B-2		B-3		B-4		B-5		B-6		B-7		B-8		Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)
Sample Depth (feet)	2-4	12-14	2-4	10-12	2-4	14-18	2-4	14-16	2-4	14-16	2-4	14-16	2-4	16-18	2-4	12-14 <sup>^</sup>		
Sample Collection Date	10/20/16	10/20/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16		
PID (instrument units)	20	<5	15	15	25	25	18	<5	25	21	20	16	25	<5	<5	<5		
<b>Detected VOCs (µg/kg)</b>																		
Benzene	<u>376</u>	<25.0	<u>120</u>	<25.0	<25.0	NA	<u>31.5 J</u>	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>5.1</b>	<b>1,490</b>
Ethylbenzene	32.2 J	<25.0	38.0 J	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>1,570</b>	<b>7,470</b>
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>NS</b>	<b>162,000</b>
Naphthalene	65.4 J	<40.0	74.7 J	<40.0	65.0 J	NA	71.7 J	<40.0	134 J	<40.0	68.0 J	NA	52.8 J	<40.0	50.5 J	<40.0	<b>658</b>	<b>5,150</b>
Toluene	<25.0	<25.0	29.6 J	<25.0	<25.0	NA	40.4 J	<25.0	33.0 J	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>1,107</b>	<b>818,000</b>
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>3.6</b>	<b>1,260</b>
1,2,4-TMB	38.4 J	<25.0	31.1 J	<25.0	<25.0	NA	<25.0	<25.0	37.7 J	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<b>1,382</b>	<b>89,800</b>
Xylenes, Total	<75.0	<75.0	<75.0	<75.0	<75.0	NA	<75.0	<75.0	85.3 J	<75.0	<75.0	NA	<75.0	<75.0	<75.0	<75.0	<b>3,960</b>	<b>260,000</b>

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**VOCs:** Volatile Organic Compounds

**µg/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**J:** Concentration reported between the laboratory method detection limit and the reporting limit.

**^** Non-detect results for deep soil samples collected from B-8, B-9, and B-12 are based on a wet weight basis.

**NS:** No Standard

**Result shown "underlined / red" exceeds the calculated RCL for the soil to groundwater pathway.**

TABLE 1 (Continued)  
 SOIL ANALYTICAL RESULTS SUMMARY-DETECTED VOCs  
 THE COUTURE  
 909 EAST MICHIGAN STREET  
 MILWAUKEE, WISCONSIN  
 PROJECT NO. 1E-1610007

Analyte	Sample Location															NR 720 RCL <sup>1</sup> (µg/kg)	
	B-9		B-10		B-11		B-12		B-13		B-14		B-15		B-16	Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)
Sample Depth (feet)	2-4	10-12 <sup>^</sup>	2-4	14-16	2-4	12-14	2-4	14-16 <sup>^</sup>	2-4	14-16	2-4	14-15	2-4	16-18	2-4		
Sample Collection Date	10/20/16	10/21/16	10/20/16	10/21/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16		
PID (instrument units)	25	25	10	<5	28	<5	30	<5	20	14	20	<5	20	<5	5		
<b>Detected VOCs (µg/kg)</b>																	
Benzene	<25.0	<25.0	<u>120</u>	<25.0	<u>56.8 J</u>	<25.0	<25.0	<25.0	<25.0	<25.0	<u>65.3</u>	<u>92.1</u>	<25.0	<25.0	<25.0	<b>5.1</b>	<b>1,490</b>
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	31.4 J	<25.0	<25.0	<25.0	<25.0	<25.0	29.0 J	<25.0	<25.0	<25.0	<25.0	<b>1,570</b>	<b>7,470</b>
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	86.2	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<b>NS</b>	<b>162,000</b>
Naphthalene	48.9 J	<40.0	125 J	<40.0	175 J	<40.0	53.0 J	<40.0	47.6 J	<40.0	119 J	155 J	66.2 J	<40.0	65.8 J	<b>658</b>	<b>5,150</b>
Toluene	<25.0	<25.0	49.2 J	<25.0	144	<25.0	<25.0	101	<25.0	<25.0	57.1 J	33.1 J	<25.0	<25.0	43.5 J	<b>1,107</b>	<b>818,000</b>
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<u>46.7 J</u>	<25.0	<25.0	<b>3.6</b>	<b>1,260</b>
1,2,4-TMB	<25.0	<25.0	41.8 J	<25.0	59.8 J	<25.0	<25.0	<25.0	<25.0	<25.0	45.4 J	<25.0	<25.0	<25.0	<25.0	<b>1,382</b>	<b>89,800</b>
Xylenes, Total	<75.0	<75.0	103 J	<75.0	161 J	<75.0	<75.0	<75.0	<75.0	<75.0	127 J	<75.0	<75.0	<75.0	<75.0	<b>3,960</b>	<b>260,000</b>

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**VOCs:** Volatile Organic Compounds

**µg/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**J:** Concentration reported between the laboratory method detection limit and the reporting limit.

**^** Non-detect results for deep soil samples collected from B-8, B-9, and B-12 are based on a wet weight basis.

**NS:** No Standard

**Result shown "underlined / red" exceeds the calculated RCL for the soil to groundwater pathway.**

TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY - DETECTED PAHs  
THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
PROJECT NO. 1E-1610007

Analyte	Sample Location																NR 720 RCL <sup>1</sup> (µg/kg)	
	B-1		B-2		B-3		B-4		B-5		B-6		B-7		B-8		Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)
Sample Depth (feet)	2-4	12-14	2-4	10-12	2-4	14-18*	2-4	14-16	2-4	14-16	2-4	14-16*	2-4	16-18	2-4	12-14		
Sample Date	10/20/16	10/20/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16		
PID (instrument units)	20	<5	15	15	25	25	18	<5	25	21	20	16	25	<5	<5	<5		
Detected PAHs (µg/kg)																		
Acenaphthene	27.8 J	<4.7	50.9 J	<4.7	18.3 J	<4.7	77.2	<4.7	14.5 J	<4.2	7.4 J	<4.6	14.7	<4.3	4.3 J	<4.3	NS	3,440,000
Acenaphthylene	10.3 J	<4.0	<14.3	<4.0	27.7	<4.0	21.9 J	<4.0	39.0	<3.6	17.5	<3.9	32.5	<3.6	6.0 J	<3.6	NS	NS
Anthracene	123	15.2 J	191	<7.0	92.2	<6.8	257	<7.0	129	<6.2	48.8	<6.7	86.4	<6.3	21.1	8.3 J	196,949	17,200,000
Benzo (a) anthracene	(65.4 J)	43.0	(74.7 J)	<3.9	(65.0 J)	<3.8	(71.7 J)	<3.9	(134 J)	<3.4	68.0 J	<3.7	(52.8 J)	<3.5	50.5 J	9.0 J	NS	147
Benzo (a) pyrene	(308)	44.6	(400)	<3.1	(364)	<3.0	831	<3.1	(236)	<2.7	(153)	<3.0	(217)	<2.8	(55.5)	7.1 J	470	15
Benzo (b) fluoranthene	(390)	58.4	487	<3.4	503	<3.4	1,170	<3.4	(378)	<3.1	(226)	<3.3	(299)	<3.1	77.4	9.5 J	479	148
Benzo (g,h,i) perylene	182	32.0	235	3.4 J	224	<2.4	681	<2.5	118	<2.2	55.2	<2.4	80.3	<2.2	34.3	4.7 J	NS	NS
Benzo (k) fluoranthene	164	25.2	216	<3.1	207	<3.0	496	<3.1	137	<2.7	83.5	<3.0	129	<2.8	32.4	4.8 J	NS	1,480
Chrysene	338	52.6	447	7.6 J	407	<4.0	849	4.8 J	343	<3.7	179	<4.0	267	<3.7	67.6	11.4 J	145	14,800
Dibenz (a,h) anthracene	(46.9)	8.5 J	(58.0)	<2.7	(64.5)	<2.7	(173)	<2.7	(32.9)	<2.4	(21.9)	<2.6	(30.0)	<2.5	9.2	<2.5	NS	15
Fluoranthene	705	89.3	948	<6.3	576	<6.2	1,310	<6.4	483	<5.7	256	<6.1	455	<5.8	96.3	21.0	88,878	2,290,000
Fluorene	36.5	<5.1	43.4 J	<5.0	19.1 J	<5.0	68.8	<5.0	14.7 J	<4.5	6.0 J	<4.9	15.8	<4.6	<4.4	<4.6	14,830	2,290,000
Indeno (1,2,3-cd) pyrene	(159)	25.8	(214)	<2.7	(201)	<2.6	(559)	<2.7	97.5	<2.4	59.6	<2.6	83.3	<2.4	28.5	3.8 J	NS	148
1-Methylnaphthalene	46.2	<4.9	64.5	<4.9	45.6	<4.8	69.7	<4.9	79.4	<4.4	63.9	<4.7	45.0	<4.4	24.1	5.5 J	NS	15,600
2-Methylnaphthalene	60.1	<6.1	107	<6.1	58.8	<6.0	77.4	<6.1	126	<5.4	81.5	<5.9	63.8	<5.5	32.0	8.2 J	NS	229,000
Naphthalene	38.1 J	<10.3	93.6 J	<10.2	54.7 J	<10.1	59.8 J	<10.3	85.4	<9.2	63.4	<9.9	62.1	<9.3	20.6 J	<9.3	658	5,150
Phenanthrene	340	46.3 J	485	<14.2	308	<14.0	801	<14.2	360	<12.7	186	<13.7	325	<12.9	85.6	24.0 J	NS	NS
Pyrene	563	83.5	770	<5.5	523	<5.4	1,130	<5.5	475	<4.9	224	<5.3	386	<5.0	93.5	17.2	54,546	1,720,000

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016.

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**µg/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**J:** Estimated concentration at or above the laboratory limit of detection and below the limit of quantitation.

\* Laboratory analysis for the deep soil samples collected from B-3 and B-6 was conducted outside of the recognized method holding time.

**NS:** No Standard

**Result shown "underlined / red" exceeds the calculated RCL for the soil to groundwater pathway.**

**Result shown "(parenthesis / green)" exceeds the calculated RCL for the non-industrial land use direct-contact pathway.**

TABLE 2 (Continued)  
 SOIL ANALYTICAL RESULTS SUMMARY - DETECTED PAHs  
 THE COUTURE  
 909 EAST MICHIGAN STREET  
 MILWAUKEE, WISCONSIN  
 PROJECT NO. 1E-1610007

Analyte	Sample Location															NR 720 RCL <sup>1</sup> (µg/kg)	
	B-9		B-10		B-11		B-12		B-13		B-14		B-15		B-16	Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)
Sample Depth (feet)	2-4	10-12	2-4	14-16	2-4	12-14	2-4	14-16	2-4	14-16	2-4	14-15	2-4	16-18	2-4		
Sample Date	10/20/16	10/21/16	10/20/16	10/21/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16		
PID (instrument units)	25	25	10	<5	28	<5	30	<5	20	14	20	<5	20	<5	5		
Detected PAHs (µg/kg)																	
Acenaphthene	20.2	<4.0	33.8	6.5 J	40.9	<4.6	4.7 J	112	19.6	13.3 J	65.7	189	5.1 J	<4.7	5.9 J	NS	3,440,000
Acenaphthylene	3.7 J	<3.4	18.6 J	5.0 J	54.5	<3.9	14.3	232	10.1 J	<4.0	15.3 J	26.8 J	14.3	<4.0	6.3 J	NS	NS
Anthracene	64.4	<5.9	124	22.6 J	155	<6.8	32.2	395	72.6	15.8 J	241	347	25.2	10.4 J	30.8	196,949	17,200,000
Benzo (a) anthracene	48.9 J	<3.3	(125 J)	45.0	(175 J)	<3.8	53.0 J	1,010	47.6 J	25.2	(119 J)	486	66.2 J	79.6	65.8 J	NS	147
Benzo (a) pyrene	(137)	<2.6	(438)	43.5	(351)	<3.0	(63.5)	1,300	(139)	24.3	650	490	(101)	117	(74.7)	470	15
Benzo (b) fluoranthene	(179)	<2.9	665	49.8	537	<3.4	88.8	1,190	(176)	26.0	818	526	135	213	106	479	148
Benzo (g,h,i) perylene	46.7	<2.1	222	21.2	112	<2.4	40.4	691	45.7	14.3	228	244	64.7	82.5	47.8	NS	NS
Benzo (k) fluoranthene	77.6	<2.6	255	23.6	189	<3.0	41.8	496	83.1	15.7	385	245	57.7	72.2	42.4	NS	1,480
Chrysene	142	3.7 J	490	50.4	470	<4.0	88.0	1,060	162	33.7	654	547	119	144	109	145	14,800
Dibenz (a,h) anthracene	(15.1)	<2.3	(72.9)	6.0 J	(44.5)	<2.7	11.5	169	(15.9)	<2.7	(79.7)	72.4	(19.3)	27.6	13.8	NS	15
Fluoranthene	319	<5.3	772	94.2	730	<6.2	121	1,480	363	59.1	1,380	1,200	176	113	155	88,878	2,290,000
Fluorene	19.3	<4.2	30.4	5.5 J	49.0	<5.0	<4.6	115	26.5	<5.0	71.3	156	4.4 J	<5.0	7.5 J	14,830	2,290,000
Indeno (1,2,3-cd) pyrene	49.2	<2.3	(212)	19.5	119	<2.6	33.9	562	46.5	11.7	(244)	224	55.1	70.6	39.5	NS	148
1-Methylnaphthalene	6.8 J	<4.1	124	<4.9	258	<4.8	29.9	83.0 J	11.0 J	<4.9	32.0 J	77.8 J	29.1	<4.9	156	NS	15,600
2-Methylnaphthalene	8.1 J	<5.1	199	<6.1	323	<6.0	36.4	131	10.9 J	<6.1	42.9 J	77.0 J	36.4	<6.1	211	NS	229,000
Naphthalene	9.1 J	<8.6	107	<10.3	242	<10.1	25.9 J	438	14.2 J	<10.3	36.1 J	364	38.0	<10.2	181	658	5,150
Phenanthrene	215	<12.0	530	44.4 J	849	<13.9	105	851	291	36.8 J	667	1,150	127	55.8	207	NS	NS
Pyrene	253	<4.6	638	80.3	659	<5.4	109	1,750	301	69.5	1,100	1,050	164	91.5	140	54,546	1,720,000

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016.

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**µg/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**J:** Estimated concentration at or above the laboratory limit of detection and below the limit of quantitation.

\* Laboratory analysis for the deep soil samples collected from B-3 and B-6 was conducted outside of the recognized method holding time.

**NS:** No Standard

**Result shown "underlined / red" exceeds the calculated RCL for the soil to groundwater pathway.**

**Result shown "(parenthesis / green)" exceeds the calculated RCL for the non-industrial land use direct-contact pathway.**

TABLE 3  
 SOIL ANALYTICAL RESULTS SUMMARY-DETECTED RCRA METALS  
 THE COUTURE  
 909 EAST MICHIGAN STREET  
 MILWAUKEE, WISCONSIN  
 PROJECT NO. 1E-1610007

Analyte	Sample Location																NR 720 RCL <sup>1</sup> (mg/kg)		
	B-1		B-2		B-3		B-4		B-5		B-6		B-7		B-8		Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)	Background Threshold Value
Sample Depth (feet)	2-4	12-14	2-4	10-12	2-4	14-18	2-4	14-16	2-4	14-16	2-4	14-16	2-4	16-18	2-4	12-14			
Sample Date	10/20/16	10/20/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16			
PID (instrument units)	20	<5	15	15	25	25	18	<5	25	21	20	16	25	<5	<5	<5			
Detected RCRA Metals (mg/kg)																			
Arsenic	5.5 J	<u>3.1 J</u>	4.9 J	<u>3.9 J</u>	6.5	<u>5.8</u>	4.6 J	<u>5.4 J</u>	5.8	<u>1.6 J</u>	5.9	<u>1.4 J</u>	3.8 J	<u>3.8 J</u>	(9.8)	<u>3.1 J</u>	0.584	0.613	8.0
Lead	<u>58.7</u>	20.2	<u>113</u>	17.3	<u>115</u>	7.6	25.6	8.7	<u>144</u>	2.9	<u>57.5</u>	1.8	22.7	6.3	<u>142</u>	3.5	27	400	52
Mercury	0.10 J	<0.045	0.19	<0.040	<u>0.27</u>	NA	0.047 J	<0.042	<u>0.69</u>	<0.040	0.11 J	NA	0.053 J	<0.038	<u>0.24</u>	<0.039	0.208	3.13	NS
Selenium	<u>65.4 J</u>	<1.3	<u>74.7 J</u>	<1.3	<u>65.0 J</u>	NA	<u>71.7 J</u>	<1.5	<u>134 J</u>	<1.1	<u>68.0 J</u>	NA	<u>52.8 J</u>	<1.2	<u>50.5 J</u>	<1.2	0.52	391	NS

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016.

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**RCRA:** Resource Conservation and Recovery Act

**mg/kg:** Milligrams per kilogram; equivalent to parts per million (ppm)

**J:** Concentration reported between the laboratory method detection limit and the reporting limit.

**NS:** No Standard

Background Threshold Value (BTV) applies to industrial and non-industrial direct-contact (upper 4 feet of soil)

**Result shown "underlined/red" exceeds the calculated RCL for the soil to groundwater pathway.**

**Result shown "parenthesis /(green)" exceeds the calculated RCL for the non-industrial land use direct-contact pathway.**

TABLE 3 (Continued)  
 SOIL ANALYTICAL RESULTS SUMMARY-DETECTED RCRA METALS  
 THE COUTURE  
 909 EAST MICHIGAN STREET  
 MILWAUKEE, WISCONSIN  
 PROJECT NO. 1E-1610007

Analyte	Sample Location															NR 720 RCL <sup>1</sup> (mg/kg)		
	B-9		B-10		B-11		B-12		B-13		B-14		B-15		B-16	Soil to Groundwater Pathway	Direct-Contact Pathway (Non-Industrial)	Background Threshold Value
Sample Depth (feet)	2-4	10-12	2-4	14-16	2-4	12-14	2-4	14-16	2-4	14-16	2-4	14-15	2-4	16-18	2-4			
Sample Date	10/20/16	10/21/16	10/20/16	10/21/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16	10/25/16	10/20/16	10/31/16	10/20/16	10/21/16	10/20/16			
PID (instrument units)	25	25	10	<5	28	<5	30	<5	20	14	20	<5	20	<5	5			
<b>Detected RCRA Metals (mg/kg)</b>																		
Arsenic	5.5	<u>1.9 J</u>	6.0	<u>2.2 J</u>	6.5	<u>4.3 J</u>	5.8	<u>7.9</u>	5.5	<u>2.0 J</u>	6.0	<u>5.5 J</u>	4.5 J	<u>4.9 J</u>	2.1 J	<b>0.584</b>	<b>0.613</b>	<b>8.0</b>
Lead	51.5	2.7	<u>71.7</u>	15.8	<u>82.9</u>	11.6	<u>132</u>	<u>120</u>	<u>59.0</u>	14.8	<u>137</u>	<u>63.6</u>	<u>67.5</u>	11.2	18.6	<b>27</b>	<b>400</b>	<b>52</b>
Mercury	0.13	<0.035	<u>0.37</u>	0.056 J	<u>0.21</u>	<0.040	0.13	<u>0.84</u>	0.11 J	0.059 J	<u>0.29</u>	<0.040	0.14	<0.041	0.047 J	<b>0.208</b>	<b>3.13</b>	<b>NS</b>
Selenium	<u>48.9 J</u>	<1.1	<u>125 J</u>	<1.2	<u>175 J</u>	<1.3	<u>53.0 J</u>	<u>2.0 J</u>	<u>47.6 J</u>	<1.2	<u>119 J</u>	<1.3	<u>66.2 J</u>	<1.3	<u>65.8 J</u>	<b>0.52</b>	<b>391</b>	<b>NS</b>

**Notes:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels from WDNR RCL Spreadsheet updated June 2016.

**RCLs:** Residual Contaminant Levels

**PID:** Photoionization Detector

**RCRA:** Resource Conservation and Recovery Act

**mg/kg:** Milligrams per kilogram; equivalent to parts per million (ppm)

**J:** Concentration reported between the laboratory method detection limit and the reporting limit.

**NS:** No Standard

Background Threshold Value (BTV) applies to industrial and non-industrial direct-contact (upper 4 feet of soil)

**Result shown "underlined/red" exceeds the calculated RCL for the soil to groundwater pathway.**

**Result shown "parenthesis /green)" exceeds the calculated RCL for the non-industrial land use direct-contact pathway.**

TABLE 4  
GROUNDWATER ANALYTICAL RESULTS - DETECTED VOCs  
THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
PROJECT NO. 1E-1610007

Analyte	Sample Location									NR 140 <sup>1</sup> PAL (µg/L)	NR 140 <sup>1</sup> ES (µg/L)	
	TWB-1	TWB-4	TWB-5	TWB-7	TWB-10	TWB-11	TWB-13	TWB-14	MW-3			
Sample Date	11/1/16	11/4/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16		
<b>Detected VOCs (µg/L)</b>												
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	10	100
Toluene	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50	<0.50	0.77 J	160	800

**NOTES:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 140

**ES:** WAC NR 140 Enforcement Standards

**PAL:** WAC NR 140 Preventive Action Limit

**VOCs:** Volatile Organic Compounds

**µg/L:** Micrograms per Liter; equivalent to parts per billion (ppb)

**J:** Result is less than the reporting limit but greater than the method detection limit and the concentration is an approximate value

TABLE 5  
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED PAHs  
THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
PROJECT NO. 1E-1610007

Analyte	Sample Location									NR 140 <sup>1</sup> PAL (µg/L)	NR 140 <sup>1</sup> ES (µg/L)	
	TWB-1	TWB-4	TWB-5	TWB-7	TWB-10	TWB-11	TWB-13	TWB-14	MW-3			
Sample Date	11/1/16	11/4/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16		
Turbidity (NTU)	>>>	1055	7.82	20.90	61.40	10.35	5.83	87.60	14.00	NS	NS	
<b>Detected PAHs (µg/L)</b>												
Acenaphthene	<0.0057	0.014 J	<0.0057	<0.0058	<0.0055	<0.0057	0.059	<0.0061	<0.0057	NS	NS	
Acenaphthylene	<0.0047	0.032	<0.0047	<0.0047	<0.0045	<0.0047	<0.0050	<0.0050	<0.0047	NS	NS	
Anthracene	0.025 J	0.064	<0.0099	<0.010	0.014 J	<0.0099	0.021 J	<0.010	<0.0099	600	3,000	
Benzo(a)anthracene	0.021 J	0.13	<0.0071	<0.0072	0.021 J	<0.0071	<0.0076	<0.0076	<0.0071	NS	NS	
Benzo(a)pyrene	(0.028 J)	(0.12)	<0.0099	<0.010	0.017 J	<0.0099	<0.011	<0.011	<0.0099	0.02	0.2	
Benzo(b)fluoranthene	(0.030)	(0.20)	<0.0054	<0.0055	0.018 J	<0.0054	<0.0057	<0.0057	0.014 J	0.02	0.2	
Benzo(g,h,i)perylene	0.025 J	0.11	<0.0064	<0.0065	0.019 J	<0.0064	<0.0068	<0.0068	0.0093 J	NS	NS	
Benzo(k)fluoranthene	0.023 J	0.13	<0.0071	<0.0072	0.015 J	<0.0071	<0.0076	<0.0076	0.0078 J	NS	NS	
Chrysene	(0.043 J)	(0.23)	<0.012	<0.012	0.018 J	<0.012	<0.013	<0.013	0.022 J	0.02	0.2	
Dibenz(a,h)anthracene	<0.0095	0.017 J	<0.0095	<0.0095	<0.0091	<0.0095	<0.010	<0.010	<0.0095	NS	NS	
Fluoranthene	0.057	0.36	<0.010	<0.010	0.047 J	<0.010	0.028 J	<0.011	0.029 J	80	400	
Fluorene	<0.0075	0.012 J	<0.0075	<0.0076	<0.0072	<0.0075	0.034 J	<0.0080	<0.0075	80	400	
Indeo (1,2,3-cd)pyrene	0.019 J	0.082 J	<0.017	<0.017	<0.016	<0.017	<0.018	<0.018	<0.017	NS	NS	
1-Methylnaphthalene	<0.0056	0.017 J	<0.0056	<0.0056	<0.0054	<0.0056	0.014 J	<0.0059	<0.0056	NS	NS	
2-Methylnaphthalene	0.0062 J	0.020 J	<0.0046	<0.0047	<0.0045	<0.0046	0.0060 J	<0.0049	0.0056 J	NS	NS	
Naphthalene	<0.017	0.023 J	0.018 J	<0.017	<0.017	<0.017	0.051 J	<0.018	<0.017	10	100	
Phenanthrene	0.033 J	0.18	<0.013	<0.013	0.030 J	<0.013	0.100	<0.014	0.018 J	NS	NS	
Pyrene	0.059	0.31	<0.0072	<0.0073	0.049	<0.0072	0.021 J	<0.0076	0.033 J	50	250	

**NOTES:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 140

**PAL:** Preventive Action Limit

**ES:** Enforcement Standards

**PAHs:** Polynuclear Aromatic Hydrocarbons

**NTU:** Nephelometric Turbidity Unit

**µg/L:** Micrograms per Liter; equivalent to parts per billion (ppb)

**>>> :** Result exceeded calibration range of instrument

**J:** Result is less than the reporting limit but greater than the method detection limit, therefore the concentration is an approximate value

**NS:** No Standard Established

**Concentrations expressed in (Blue / Parentheses) exceed NR 140 Preventive Action Limit**



TABLE 6  
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RCRA METALS  
THE COUTURE  
909 EAST MICHIGAN STREET  
MILWAUKEE, WISCONSIN  
PROJECT NO. 1E-1610007

Analyte	Sample Location									NR 140 <sup>1</sup> PAL	NR 140 <sup>1</sup> ES	
	TWB-1	TWB-4	TWB-5	TWB-7	TWB-10	TWB-11	TWB-13	TWB-14	MW-3			
Sample Date	11/1/16	11/4/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16	11/1/16		
Turbidity (NTU)	>>>	1055	7.82	20.90	61.40	10.35	5.83	87.60	14.00	NS	NS	
<b>Detected Select RCRA Metals (µg/L)</b>												
Arsenic	<8.3	<5.4	<8.3	(9.0 J)	<8.3	<u>10.1 J</u>	<8.3	<8.3	<8.3	1	10	
Lead	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	(5.1 J)	<4.3	<4.3	1.5	15	

**NOTES:**

(1): Wisconsin Administrative Code Natural Resources Chapter (NR) 140

**ES:** Enforcement Standards

**PAL:** Preventive Action Limit

**RCRA:** Resource Conservation and Recovery Act

**NTU:** Nephelometric Turbidity Unit

**µg/L:** Micrograms per Liter; equivalent to parts per billion (ppb)

**>>> :** Result exceeded calibration range of instrument

**J:** Result is less than the reporting limit but greater than the method detection limit and the concentration is an approximate value

**NS:** No Standard Established

**Concentrations expressed in (Blue / Parentheses) exceed NR 140 Preventive Action Limit**

**Concentrations expressed in Red / Underline exceed NR 140 Enforcement Standard**

## **APPENDIX A**

### ***Important Information About Your Geoenvironmental Report***

# Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

## **Beware of Change; Keep Your Geoenvironmental Professional Advised**

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

## **Recognize the Impact of Time**

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

## **Prepare To Deal with Unanticipated Conditions**

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change,* sometimes suddenly, due to any number of events, not the least of which include occurrences at



adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered*, because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

### **Do Not Permit Any Other Party To Rely on the Report**

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

### **Avoid Misinterpretation of the Report**

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

### **Give Contractors Access to the Report**

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

### **Do Not Separate Documentation from the Report**

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

### **Understand the Role of Standards**

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.



Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

### **Realize That Recommendations May Not Be Final**

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

### **Understand That Geotechnical Issues Have Not Been Addressed**

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The

equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

### **Read Responsibility Provisions Closely**

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

### **Rely on Your Geoenvironmental Professional for Additional Assistance**

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.



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## **APPENDIX B**

### **General Notes and Soil Borehole Logs**

## GENERAL NOTES

### SAMPLE IDENTIFICATION

All samples are visually classified in general accordance with the Unified Soil Classification System (ASTM D-2487-75 or D-2488-75)

### DESCRIPTIVE TERM (% BY DRY WEIGHT)

Trace:	1-10%
Little:	11-20%
Some:	21-35%
And/Adjective	36-50%

### PARTICLE SIZE (DIAMETER)

Boulders:	8 inch and larger
Cobbles:	3 inch to 8 inch
Gravel:	coarse - 3/4 to 3 inch fine - No. 4 (4.76 mm) to 3/4 inch
Sand:	coarse - No. 4 (4.76 mm) to No. 10 (2.0 mm) medium - No. 10 (2.0 mm) to No. 40 (0.42 mm) fine - No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt:	No. 200 (0.074 mm) and smaller (non-plastic)
Clay:	No 200 (0.074 mm) and smaller (plastic)

### SOIL PROPERTY SYMBOLS

Dd:	Dry Density (pcf)
LL:	Liquid Limit, percent
PL:	Plastic Limit, percent
PI:	Plasticity Index (LL-PL)
LOI:	Loss on Ignition, percent
Gs:	Specific Gravity
K:	Coefficient of Permeability
w:	Moisture content, percent
qp:	Calibrated Penetrometer Resistance, tsf
qs:	Vane-Shear Strength, tsf
qu:	Unconfined Compressive Strength, tsf
qc:	Static Cone Penetrometer Resistance (correlated to Unconfined Compressive Strength, tsf)
PID:	Results of vapor analysis conducted on representative samples utilizing a Photoionization Detector calibrated to a benzene standard. Results expressed in HNU-Units. (BDL=Below Detection Limit)
N:	Penetration Resistance per 12 inch interval, or fraction thereof, for a standard 2 inch O.D. (1 1/4 inch I.D.) split spoon sampler driven with a 140 pound weight free-falling 30 inches. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586). N in blows per foot equals sum of N-Values where plus sign (+) is shown.
Nc:	Penetration Resistance per 1 1/4 inches of Dynamic Cone Penetrometer. Approximately equivalent to Standard Penetration Test N-Value in blows per foot.
Nr:	Penetration Resistance per 12 inch interval, or fraction thereof, for California Ring Sampler driven with a 140 pound weight free-falling 30 inches per ASTM D-3550. Not equivalent to Standard Penetration Test N-Value.

### DRILLING AND SAMPLING SYMBOLS

SS:	Split-Spoon
ST:	Shelby Tube - 3 inch O.D. (except where noted)
CS:	3 inch O.D. California Ring Sampler
DC:	Dynamic Cone Penetrometer per ASTM Special Technical Publication No. 399
AU:	Auger Sample
DB:	Diamond Bit
CB:	Carbide Bit
WS:	Wash Sample
RB:	Rock-Roller Bit
BS:	Bulk Sample
Note:	Depth intervals for sampling shown on Record of Subsurface Exploration are not indicative of sample recovery, but position where sampling initiated

### SOIL STRENGTH CHARACTERISTICS

#### COHESIVE (CLAYEY) SOILS

COMPARATIVE CONSISTENCY	BLOWS PER FOOT (N)	UNCONFINED COMPRESSIVE STRENGTH (TSF)
Very Soft	0 - 2	0 - 0.25
Soft	3 - 4	0.25 - 0.50
Medium Stiff	5 - 8	0.50 - 1.00
Stiff	9 - 15	1.00 - 2.00
Very Stiff	16 - 30	2.00 - 4.00
Hard	31+	4.00+

#### NON-COHESIVE (GRANULAR) SOILS

RELATIVE DENSITY	BLOWS PER FOOT (N)
Very Loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	51+

DEGREE OF PLASTICITY	PI	DEGREE OF EXPANSIVE POTENTIAL	PI
None to Slight	0 - 4	Low	0 - 15
Slight	5 - 10	Medium	15 - 25
Medium	11 - 30	High	25+
High to Very High	31+		



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-1</b>		
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/20/2016</b>		
WI Unique Well No.		DNR Well ID No.	Common Well Name		Drilling Method <b>Direct Push</b>		
Final Static Water Level <b>Feet MSL</b>			Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>2 inches</b>		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>N, E S/C/N</b>			Lat <b>_____</b> "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E		
1/4 of <b>1/4 of Section 28, T 7 N, R 22 E</b>			Long <b>_____</b> "		Feet <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>		Civil Town/City/ or Village <b>Milwaukee</b>	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				1	Concrete Slab											
DP-1		24/48		1	Fine Sandy coarse Gravel (Fill) - Dry	GW			15							
				2	Brown fine to medium Sand with trace Clay and some fine Gravel - Wet (Fill)	SW										
				3	Brown medium Sand with trace Clay and some coarse Gravel - Moist (possible Petroleum Odor) (suspected Fill)				20							
				4												
DP-2		12/48		5					25							
				6												
				7		SW			15							
				8												
DP-3				9					15							
				10												
				11					0							
				12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.





Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-2</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	
Drilling Method <b>Direct Push</b>			Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name		Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat <b>° ' "</b>			<input type="checkbox"/> N <input type="checkbox"/> E
1/4 of <b>28, T 7 N, R 22 E</b>			Long <b>° ' "</b>			<input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>		Civil Town/City/ or Village <b>Milwaukee</b>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48		1	Concrete Slab											
			1	Fine Sandy coarse Gravel (Fill) - Dry	GW			0							
			2	Brown Sandy Clay, some coarse Gravel - Moist (Fill)	CL			15							
DP-2	38/48		4	Gray medium Sand with trace Clay and some coarse Gravel - Moist (suspected Fill)				25							
			7	Color became Brown at 7 Feet	SP			20							
DP-3	37/48		9	Brown Clay with some medium Sand and trace coarse Gravel - Moist	CL			25							
			11	Brown medium Sand - Wet	SP										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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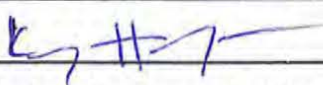


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-3</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
Drilling Method <b>Direct Push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>2 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat <input type="checkbox"/> N <input type="checkbox"/> E		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of Section <b>28, T 7 N, R 22 E</b>		Long <input type="checkbox"/> Feet		Feet <input type="checkbox"/> Feet	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
		Civil Town/City/ or Village <b>Milwaukee</b>			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				Concrete Slab											
DP-1	22/48		1	Fine Sandy coarse Gravel (Fill) - Dry	GW			20							
			2	Brown to Dark Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (Fill)				25							
DP-2	20/48		5	Trace Black porous fine gravel present (suspected foundry material)	SW			21							
			6					22							
			7												
			8												
DP-3	17/48		9	Brown fine to medium Sand with trace Silt - Wet	SW			18							
			10	Brown Clay with trace Silt - Very Moist	CH			21							
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
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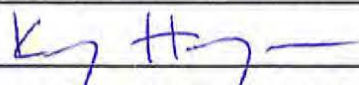


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-4</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	
Drilling Method <b>Direct Push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter <b>2 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of 1/4 of Section <b>28, T 7 N, R 22 E</b>		Long _____ "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
				Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	23/48		1	Concrete Slab											
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			0							
			3	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (suspected Fill)	SW			18							
DP-2	0/48		4	No Recovery											
			5												
DP-3	0/48		6												
			7												
			8												
			9												
			10												
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-5</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
Drilling Method <b>Direct Push</b>			Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
WI Unique Well No.		DNR Well ID No.		Common Well Name		Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat _____ "			<input type="checkbox"/> N <input type="checkbox"/> E
1/4 of 1/4 of Section <b>28, T 7 N, R 22 E</b>			Long _____ "			<input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>		Civil Town/City/ or Village <b>Milwaukee</b>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48		1	Concrete Slab											
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			20							
DP-2	24/48		3	Brown fine to medium Sand with trace Clay and some fine to coarse Gravel - Moist (Fill)	SW			25							
			5	Brown fine to medium Sand with some Silt and trace coarse Gravel - Moist				20							
DP-3	48/48		7					22							
			9		SW			23							
			11	Wet at 10.8 Feet 3.5" lense of coarse Sand at 11 Feet	SW			21							

I hereby certify that the information on this form is true and correct to the best of my knowledge.



Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
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Boring Number **B-5**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
DP-4	48/48		13	Brown and Gray fine to medium Sand with trace fine to coarse Gravel - Wet	SW			22						
			14	Brown fine Sand with some fine to coarse Gravel - Wet	SP									21
			15											
16	Boring Terminated at 16 Feet													

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-6</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter <b>2 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of <b>28, T 7 N, R 22 E</b>		1/4 of Section		Long _____ Feet	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
				Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48		1	Concrete Slab											
			2	Black fine to medium Sand (suspected foundry material) and trace Wood Fragments - Moist (Fill)	SP			30							
DP-2	24/48		3	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (Fill)	SW			20							
			5					26							
			6	Brown fine Sandy Clay - Moist (Fill)	CH										
DP-3	12/48		7	Gray Silt and Clay with trace Black fine to medium Sand (suspected foundry material) - Moist (Fill)	MH			24							
			8	Brown fine Sand with trace coarse Gravel - Moist	SP										
			9	Brown Clay and medium to coarse Sand - Moist	SW				22						
			10	Brown Clay - Very Moist	CH				20						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-7</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
Drilling Method <b>Direct Push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter <b>2 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of 1/4 of Section <b>28, T 7 N, R 22 E</b>		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
				Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
DP-1	24/48		1	Concrete Slab										
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			25						
DP-2	18/48		3	Black-Brown fine to medium Sand with trace Clay and some coarse Gravel - Wet (Fill)	SW			25						
			4	Brown fine to coarse Sandy Clay with trace fine to coarse Gravel and trace Wood pieces - Wet (Fill)	CH			25						
DP-3	32/36		5					27						
DP-4	23/60		6					0						
			7	Brown fine to coarse Gravel with some fine Sand - Wet	GW			0						
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

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Boring Number **B-7**

Use only as an attachment to Form 4400-122.



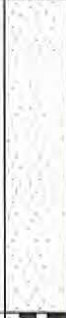

Page **2** of **2**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
DP-5	60/60		13	Brown fine to coarse Gravel with some fine Sand - Wet <i>(continued)</i>	GW			0						
			14					0						
			15	Brown medium Sand with trace fine Gravel - Wet	SP			0						
			16					0						
17	Brown Clay becoming Gray at 18 Feet - Wet	CH			0									
18					0									
			19					0						
			20	Boring Terminated at 20 Feet										




Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-8</b>		
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>		
WI Unique Well No.		DNR Well ID No.	Common Well Name		Drilling Method <b>Direct Push</b>		
Final Static Water Level <b>Feet MSL</b>			Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>2 inches</b>		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location				
State Plane <b>N, E S/C/N</b>			Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E		
1/4 of 1/4 of Section <b>28, T 7 N, R 22 E</b>			Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>		Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48		1	Concrete Slab											
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			0							
DP-2	31/48		3	Brown Silty Clay with trace fine Sand - Moist (Fill)	CL			0							
			4												
			5												
DP-3	21/48		6	Brown medium Sand with trace Silt - Moist	SP			0							
			7												
			10	Coarse Gravel - Dry (Rock Fragments)	GP			0							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
--	---	--

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-9</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	
Drilling Method <b>Direct Push</b>			Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name		Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat _____ "			<input type="checkbox"/> N <input type="checkbox"/> E
1/4 of <b>28, T 7 N, R 22 E</b>			Long _____ "			<input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				Concrete Slab											
DP-1	27/48		1	Fine Sandy coarse Gravel (Fill) - Dry	GW			0							
			2	Brown fine to medium Sand with trace Clay and some fine to coarse Gravel and trace Black medium Sand (suspected foundry material) - Moist (Fill)	SW			25							
			3												
			4	Brown medium Sand with trace Clay and some coarse Gravel - Moist (suspected Fill)	SW			15							
DP-2	31/48		5												
			6	Brown Sandy Clay with trace coarse Gravel - Moist (suspected Fill)	CL			20							
			7												
DP-3	29/48		9	Brown fine to medium Sand - Moist	SP			20							
			10												
			11												
			12					25							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868





Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-10</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	
Drilling Method <b>Direct Push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>2 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of Section <b>28, T 7 N, R 22 E</b>		Long _____ "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
		Civil Town/City/ or Village <b>Milwaukee</b>			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	18/48		1	Paver Brick											
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			15							
DP-2	30/48		3	Brown fine to medium Sand with trace Clay, and some coarse Gravel and Black fine to medium Sand (suspected foundry material) - Moist (Fill)	SW			10							
			4												
DP-3	8/48		5	Black fine to medium Sand (suspected foundry material) - Moist (Fill) Brown medium Sand with trace Clay and some coarse Gravel - Moist (suspected Fill)	SP			20							
			6												
			7												
			8												
			9	Brown Clay with some medium Sand - Moist	CH			0							
			10												
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

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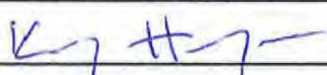


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-11</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/31/2016</b>	
WI Unique Well No.		DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL		Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Lat _____"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
1/4 of	1/4 of Section	28,	T 7	N, R 22	E	Borehole Diameter <b>2 inches</b>
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	28/48		1	Concrete Slab											
			2	Fine Sandy coarse Gravel (Fill) - Dry	GW			29							
			3	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (Fill)	SW			28							
DP-2	1/1		4	Black Silty fine Sand with trace Clay, trace coarse Gravel, and trace Black fine Gravel (suspected foundry material) - Moist (Fill)	SM			0							
			5	Brown fine Sand with little fine to coarse Gravel and trace Black fine Gravel (suspected foundry material) - Dry (Fill)				0							
DP-3	3/60		6					0							
			7		SP			0							
DP-4	42/60		8					0							
			9					0							
			10	Gray-Brown Clayey fine Sand to fine Sandy Clay - Moist (suspected Fill)	SC			0							
			11												
			12												



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

Boring Number **B-11**

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Page **2** of **2**

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				Gray Clay - Moist ( <i>continued</i> )	CH									
			13	Brown Clayey, fine to medium Sand - Moist (suspected Fill)	SC									
				Gray Clay with trace fine Sand - Very Moist to Wet	CH			0						
			14	Brown fine to coarse Sand - Wet	SP									
				Gray fine Sandy Clay, Very Moist, with trace coarse Gravel	CH									
			15	Boring Terminated at 15 Feet				0						

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-12</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	Drilling Method <b>Direct Push</b>
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>N, E S/C/N</b>			Lat <b>_____</b> ' <b>_____</b> "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of	1/4 of Section	<b>28, T 7 N, R 22 E</b>	Long <b>_____</b> ' <b>_____</b> "			
Facility ID		County <b>Milwaukee</b>	County Code <b>41</b>	Civil Town/City/ or Village <b>Milwaukee</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
DP-1	24/48		1	Concrete Slab												
			1	Fine Sandy coarse Gravel (Fill) - Dry	GW			30								
			2	Black fine to medium Sand (suspected foundry material) - Moist (Fill)	SP											
DP-2	0/48		3	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (suspected Fill)	SW			30								
			4	No Recovery												
DP-3	0/48		5													
			6													
			7													
			8													
			9													
			10													
			11													
			12													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-13</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
Drilling Method <b>Direct Push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter <b>2 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of <b>28, T 7 N, R 22 E</b>		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
				Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48		1	Concrete Slab											
			2-4	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (Fill)	SW			30							
DP-2	20/48		5	Became Dark Brown with trace Black fine Gravel (suspected foundry material)											
			6-7	Black fine to medium Sand with trace fine Gravel (suspected foundry material) - Moist (Fill)	SP			15							
DP-3	17/48		8	Red to Brown coarse to very coarse Sand with little fine Gravel and little Clay. Trace Organics (Roots) present - Wet (Fill)											
			9-11		SW			13							
			12												


I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Ky H...* Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0118  
N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

Boring Number **B-13**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
DP-4	36/48		13	Red to Brown coarse to very coarse Sand with little fine Gravel and little Clay. Trace Organics (Roots) present - Wet (Fill) <i>(continued)</i>	SW			12						
			14	Gray fine Sand - Wet										
			15		SP				14					
			16	Boring Terminated at 16 Feet										

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>		License/Permit/Monitoring Number		Boring Number <b>B-14</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair</b> <b>Giles Engineering Associates, Inc.</b>		Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/25/2016</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>2 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>N, E S/C/N</b>		Lat <b>° ' "</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of <b>1/4 of Section 28, T 7 N, R 22 E</b>		Long <b>° ' "</b>		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	
				Civil Town/City/ or Village <b>Milwaukee</b>	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	24/48			1	Concrete Slab											
				2	Fine Sandy coarse Gravel (Fill) - Dry	GW			25							
				3	Brown fine to medium Sand with trace Clay and some coarse Gravel (Fill)	SW			20							
DP-2	12/12			4												
DP-3	24/60			5	Black with some Brown fine to coarse Sand (suspected foundry material) - Dry (Fill)				5							
				6												
				7												
				8		SP			22							
				9												
				10												
				11	Brown Clay with trace very coarse Sand - Very Moist (suspected Fill)	CH			0							
DP-4	24/60			12	Color became Gray											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Boring Number **B-14**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			13	Black coarse Sand and fine Gravel - Wet (suspected Fill)	GW									
			14	Gray Clay with trace fine to medium Sand - Very Moist (suspected Fill)	CH			0						
			15	Black fine Sand - Wet (suspected Fill) Boring Terminated at 15 Feet	SP			0						



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-15</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/21/2016</b>	
Drilling Method <b>Direct Push</b>			Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name		Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat <b>_____</b> "			<input type="checkbox"/> N <input type="checkbox"/> E
1/4 of <b>28, T 7 N, R 22 E</b>			Long <b>_____</b> "			<input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>	Civil Town/City/ or Village <b>Milwaukee</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
DP-1	28/48			Concrete Slab											
			1	Fine Sandy coarse Gravel (Fill) - Dry	GW			25							
			2	Brown fine to medium Sand with trace Clay and some coarse Gravel - Moist (Fill)	SW										
			3	Brown medium Sand - Moist (Fill)	SP										
			4	Brown medium Sand with trace Clay, some coarse Gravel and some Black fine Gravel (suspected foundry material) - Moist (Fill)	SW			20							
			5	Black fine to medium Sand (suspected foundry material) - Moist (Fill)				0							
DP-2	16/48		6												
			7		SP			0							
			8												
DP-3	20/48		9					17							
			10												
			11	Gray Silty Clay - Wet (possible Petroleum odor) (suspected Fill)	CH			10							
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>The Couture</b>			License/Permit/Monitoring Number		Boring Number <b>B-16</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>James Blair Giles Engineering Associates, Inc.</b>			Date Drilling Started <b>10/20/2016</b>		Date Drilling Completed <b>10/20/2016</b>	
Drilling Method <b>Direct Push</b>			Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name		Borehole Diameter <b>2 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat <b>° ' "</b>			<input type="checkbox"/> N <input type="checkbox"/> E
1/4 of <b>28, T 7 N, R 22 E</b>			Long <b>° ' "</b>			Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <b>Milwaukee</b>		County Code <b>41</b>		Civil Town/City/ or Village <b>Milwaukee</b>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
DP-1	26/48		0	Concrete Slab												
			1	Fine Sandy coarse Gravel (Fill) - Dry	GW			10								
			2	Black fine to medium Sand (suspected foundry material) - Moist (Fill)	SP											
			3	Brown fine to medium Sandy Clay with trace coarse Gravel - Moist (Fill)	CH			5								
DP-2			5	Black fine to medium Sand (suspected foundry material) (Fill)				0								
			6													
			7													
			8													
DP-3			9	Trace Wood pieces present from 9 to 10 Feet				0								
			10	No Recovery												
			11	Boring Terminated at 11 Feet												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <b>Giles Engineering Associates, Inc.</b> N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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## **APPENDIX C**

### **Soil Analytical Laboratory & Chain-of-Custody Documentation**



October 27, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

---

### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40140636001	B-1 (2-4')	Solid	10/20/16 15:25	10/21/16 09:35
40140636002	B-2 (2-4')	Solid	10/20/16 15:50	10/21/16 09:35
40140636003	B-3 (2-4')	Solid	10/20/16 11:37	10/21/16 09:35
40140636004	B-4 (2-4')	Solid	10/20/16 11:20	10/21/16 09:35
40140636005	B-5 (2-4')	Solid	10/20/16 11:05	10/21/16 09:35
40140636006	B-6 (2-4')	Solid	10/20/16 10:20	10/21/16 09:35
40140636007	B-7 (2-4')	Solid	10/20/16 10:35	10/21/16 09:35
40140636008	B-8 (2-4')	Solid	10/20/16 11:50	10/21/16 09:35
40140636009	B-9 (2-4')	Solid	10/20/16 14:20	10/21/16 09:35
40140636010	B-10 (2-4')	Solid	10/20/16 13:55	10/21/16 09:35
40140636011	B-11 (2-4')	Solid	10/20/16 12:25	10/21/16 09:35
40140636012	B-12 (2-4')	Solid	10/20/16 10:48	10/21/16 09:35
40140636013	B-13 (2-4')	Solid	10/20/16 10:10	10/21/16 09:35
40140636014	B-14 (2-4')	Solid	10/20/16 12:55	10/21/16 09:35
40140636015	B-15 (2-4')	Solid	10/20/16 12:40	10/21/16 09:35
40140636016	B-16 (2-4')	Solid	10/20/16 13:40	10/21/16 09:35
40140636017	MEOH BLANK	Solid	10/20/16 00:00	10/21/16 09:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140636001	B-1 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636002	B-2 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636003	B-3 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636004	B-4 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636005	B-5 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636006	B-6 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636007	B-7 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40140636008	B-8 (2-4')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140636009	B-9 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636010	B-10 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636011	B-11 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636012	B-12 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636013	B-13 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636014	B-14 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
40140636015	B-15 (2-4')	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140636016	B-16 (2-4')	ASTM D2974-87	MAM	1	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
40140636017	MEOH BLANK	ASTM D2974-87	MAM	1	PASI-G
		EPA 8260	SMT	63	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40140636001</b>	<b>B-1 (2-4')</b>					
EPA 6010	Arsenic	5.5J	mg/kg	5.6	10/26/16 12:17	
EPA 6010	Lead	58.7	mg/kg	1.4	10/26/16 12:17	MO
EPA 7471	Mercury	0.10J	mg/kg	0.14	10/25/16 11:37	
EPA 8270 by SIM	Acenaphthene	27.8J	ug/kg	28.7	10/25/16 13:37	
EPA 8270 by SIM	Acenaphthylene	10.3J	ug/kg	24.5	10/25/16 13:37	
EPA 8270 by SIM	Anthracene	123	ug/kg	42.3	10/25/16 13:37	
EPA 8270 by SIM	Benzo(a)anthracene	282	ug/kg	23.6	10/25/16 13:37	
EPA 8270 by SIM	Benzo(a)pyrene	308	ug/kg	18.6	10/25/16 13:37	
EPA 8270 by SIM	Benzo(b)fluoranthene	390	ug/kg	21.0	10/25/16 13:37	
EPA 8270 by SIM	Benzo(g,h,i)perylene	182	ug/kg	15.1	10/25/16 13:37	
EPA 8270 by SIM	Benzo(k)fluoranthene	164	ug/kg	18.6	10/25/16 13:37	
EPA 8270 by SIM	Chrysene	338	ug/kg	25.0	10/25/16 13:37	
EPA 8270 by SIM	Dibenz(a,h)anthracene	46.9	ug/kg	16.6	10/25/16 13:37	
EPA 8270 by SIM	Fluoranthene	705	ug/kg	38.8	10/25/16 13:37	
EPA 8270 by SIM	Fluorene	36.5	ug/kg	30.7	10/25/16 13:37	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	159	ug/kg	16.3	10/25/16 13:37	
EPA 8270 by SIM	1-Methylnaphthalene	46.2	ug/kg	29.9	10/25/16 13:37	
EPA 8270 by SIM	2-Methylnaphthalene	60.1	ug/kg	37.2	10/25/16 13:37	
EPA 8270 by SIM	Naphthalene	38.1J	ug/kg	62.6	10/25/16 13:37	
EPA 8270 by SIM	Phenanthrene	340	ug/kg	86.4	10/25/16 13:37	
EPA 8270 by SIM	Pyrene	563	ug/kg	33.4	10/25/16 13:37	
EPA 8260	Benzene	376	ug/kg	66.8	10/24/16 14:54	
EPA 8260	Ethylbenzene	32.2J	ug/kg	66.8	10/24/16 14:54	
EPA 8260	Naphthalene	65.4J	ug/kg	278	10/24/16 14:54	
EPA 8260	1,2,4-Trimethylbenzene	38.4J	ug/kg	66.8	10/24/16 14:54	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	10/26/16 14:35	
<b>40140636002</b>	<b>B-2 (2-4')</b>					
EPA 6010	Arsenic	5.5	mg/kg	5.3	10/26/16 12:25	
EPA 6010	Lead	51.5	mg/kg	1.4	10/26/16 12:25	
EPA 7471	Mercury	0.13	mg/kg	0.12	10/25/16 11:44	
EPA 8270 by SIM	Acenaphthene	50.9J	ug/kg	56.1	10/25/16 13:54	
EPA 8270 by SIM	Anthracene	191	ug/kg	82.6	10/25/16 13:54	
EPA 8270 by SIM	Benzo(a)anthracene	361	ug/kg	46.1	10/25/16 13:54	
EPA 8270 by SIM	Benzo(a)pyrene	400	ug/kg	36.4	10/25/16 13:54	
EPA 8270 by SIM	Benzo(b)fluoranthene	487	ug/kg	40.9	10/25/16 13:54	
EPA 8270 by SIM	Benzo(g,h,i)perylene	235	ug/kg	29.4	10/25/16 13:54	
EPA 8270 by SIM	Benzo(k)fluoranthene	216	ug/kg	36.3	10/25/16 13:54	
EPA 8270 by SIM	Chrysene	447	ug/kg	48.7	10/25/16 13:54	
EPA 8270 by SIM	Dibenz(a,h)anthracene	58.0	ug/kg	32.4	10/25/16 13:54	
EPA 8270 by SIM	Fluoranthene	948	ug/kg	75.6	10/25/16 13:54	
EPA 8270 by SIM	Fluorene	43.4J	ug/kg	60.0	10/25/16 13:54	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	214	ug/kg	31.9	10/25/16 13:54	
EPA 8270 by SIM	1-Methylnaphthalene	64.5	ug/kg	58.2	10/25/16 13:54	
EPA 8270 by SIM	2-Methylnaphthalene	107	ug/kg	72.6	10/25/16 13:54	
EPA 8270 by SIM	Naphthalene	93.6J	ug/kg	122	10/25/16 13:54	
EPA 8270 by SIM	Phenanthrene	485	ug/kg	169	10/25/16 13:54	
EPA 8270 by SIM	Pyrene	770	ug/kg	65.2	10/25/16 13:54	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140636002</b>	<b>B-2 (2-4')</b>					
EPA 8260	Benzene	120	ug/kg	65.2	10/24/16 15:17	
EPA 8260	Ethylbenzene	38.0J	ug/kg	65.2	10/24/16 15:17	
EPA 8260	Naphthalene	74.7J	ug/kg	272	10/24/16 15:17	
EPA 8260	Toluene	29.6J	ug/kg	65.2	10/24/16 15:17	
EPA 8260	1,2,4-Trimethylbenzene	31.1J	ug/kg	65.2	10/24/16 15:17	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	10/26/16 14:35	
<b>40140636003</b>	<b>B-3 (2-4')</b>					
EPA 6010	Arsenic	6.0	mg/kg	5.1	10/26/16 12:32	
EPA 6010	Lead	71.7	mg/kg	1.3	10/26/16 12:32	
EPA 6010	Selenium	1.2J	mg/kg	5.1	10/26/16 12:32	
EPA 7471	Mercury	0.37	mg/kg	0.12	10/25/16 11:46	
EPA 8270 by SIM	Acenaphthene	18.3J	ug/kg	28.0	10/25/16 14:53	
EPA 8270 by SIM	Acenaphthylene	27.7	ug/kg	23.9	10/25/16 14:53	
EPA 8270 by SIM	Anthracene	92.2	ug/kg	41.2	10/25/16 14:53	
EPA 8270 by SIM	Benzo(a)anthracene	293	ug/kg	23.0	10/25/16 14:53	
EPA 8270 by SIM	Benzo(a)pyrene	364	ug/kg	18.2	10/25/16 14:53	
EPA 8270 by SIM	Benzo(b)fluoranthene	503	ug/kg	20.4	10/25/16 14:53	
EPA 8270 by SIM	Benzo(g,h,i)perylene	224	ug/kg	14.7	10/25/16 14:53	
EPA 8270 by SIM	Benzo(k)fluoranthene	207	ug/kg	18.1	10/25/16 14:53	
EPA 8270 by SIM	Chrysene	407	ug/kg	24.3	10/25/16 14:53	
EPA 8270 by SIM	Dibenz(a,h)anthracene	64.5	ug/kg	16.2	10/25/16 14:53	
EPA 8270 by SIM	Fluoranthene	576	ug/kg	37.7	10/25/16 14:53	
EPA 8270 by SIM	Fluorene	19.1J	ug/kg	29.9	10/25/16 14:53	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	201	ug/kg	15.9	10/25/16 14:53	
EPA 8270 by SIM	1-Methylnaphthalene	45.6	ug/kg	29.1	10/25/16 14:53	
EPA 8270 by SIM	2-Methylnaphthalene	58.8	ug/kg	36.2	10/25/16 14:53	
EPA 8270 by SIM	Naphthalene	54.7J	ug/kg	60.9	10/25/16 14:53	
EPA 8270 by SIM	Phenanthrene	308	ug/kg	84.1	10/25/16 14:53	
EPA 8270 by SIM	Pyrene	523	ug/kg	32.5	10/25/16 14:53	
EPA 8260	Naphthalene	65.0J	ug/kg	271	10/24/16 15:40	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	10/26/16 14:35	
<b>40140636004</b>	<b>B-4 (2-4')</b>					
EPA 6010	Arsenic	6.5	mg/kg	4.9	10/26/16 12:34	
EPA 6010	Lead	82.9	mg/kg	1.3	10/26/16 12:34	
EPA 7471	Mercury	0.21	mg/kg	0.12	10/25/16 11:49	
EPA 8270 by SIM	Acenaphthene	77.2	ug/kg	55.6	10/26/16 14:50	
EPA 8270 by SIM	Acenaphthylene	21.9J	ug/kg	47.4	10/26/16 14:50	
EPA 8270 by SIM	Anthracene	257	ug/kg	81.8	10/26/16 14:50	
EPA 8270 by SIM	Benzo(a)anthracene	640	ug/kg	45.6	10/26/16 14:50	
EPA 8270 by SIM	Benzo(a)pyrene	831	ug/kg	36.0	10/26/16 14:50	
EPA 8270 by SIM	Benzo(b)fluoranthene	1170	ug/kg	40.5	10/26/16 14:50	
EPA 8270 by SIM	Benzo(g,h,i)perylene	681	ug/kg	29.2	10/26/16 14:50	
EPA 8270 by SIM	Benzo(k)fluoranthene	496	ug/kg	36.0	10/26/16 14:50	
EPA 8270 by SIM	Chrysene	849	ug/kg	48.2	10/26/16 14:50	
EPA 8270 by SIM	Dibenz(a,h)anthracene	173	ug/kg	32.1	10/26/16 14:50	
EPA 8270 by SIM	Fluoranthene	1310	ug/kg	74.9	10/26/16 14:50	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40140636004</b>	<b>B-4 (2-4')</b>					
EPA 8270 by SIM	Fluorene	68.8	ug/kg	59.4	10/26/16 14:50	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	559	ug/kg	31.6	10/26/16 14:50	
EPA 8270 by SIM	1-Methylnaphthalene	69.7	ug/kg	57.7	10/26/16 14:50	
EPA 8270 by SIM	2-Methylnaphthalene	77.4	ug/kg	71.9	10/26/16 14:50	
EPA 8270 by SIM	Naphthalene	59.8J	ug/kg	121	10/26/16 14:50	
EPA 8270 by SIM	Phenanthrene	801	ug/kg	167	10/26/16 14:50	
EPA 8270 by SIM	Pyrene	1130	ug/kg	64.6	10/26/16 14:50	
EPA 8260	Benzene	31.5J	ug/kg	64.6	10/24/16 16:03	
EPA 8260	Naphthalene	71.7J	ug/kg	269	10/24/16 16:03	
EPA 8260	Toluene	40.4J	ug/kg	64.6	10/24/16 16:03	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	10/26/16 14:35	
<b>40140636005</b>	<b>B-5 (2-4')</b>					
EPA 6010	Arsenic	5.8	mg/kg	5.0	10/26/16 12:37	
EPA 6010	Lead	132	mg/kg	1.3	10/26/16 12:37	
EPA 6010	Selenium	1.7J	mg/kg	5.0	10/26/16 12:37	
EPA 7471	Mercury	0.13	mg/kg	0.12	10/25/16 11:51	
EPA 8270 by SIM	Acenaphthene	14.5J	ug/kg	27.5	10/25/16 15:27	
EPA 8270 by SIM	Acenaphthylene	39.0	ug/kg	23.4	10/25/16 15:27	
EPA 8270 by SIM	Anthracene	129	ug/kg	40.4	10/25/16 15:27	
EPA 8270 by SIM	Benzo(a)anthracene	236	ug/kg	22.6	10/25/16 15:27	
EPA 8270 by SIM	Benzo(a)pyrene	236	ug/kg	17.8	10/25/16 15:27	
EPA 8270 by SIM	Benzo(b)fluoranthene	378	ug/kg	20.0	10/25/16 15:27	
EPA 8270 by SIM	Benzo(g,h,i)perylene	118	ug/kg	14.4	10/25/16 15:27	
EPA 8270 by SIM	Benzo(k)fluoranthene	137	ug/kg	17.8	10/25/16 15:27	
EPA 8270 by SIM	Chrysene	343	ug/kg	23.8	10/25/16 15:27	
EPA 8270 by SIM	Dibenz(a,h)anthracene	32.9	ug/kg	15.9	10/25/16 15:27	
EPA 8270 by SIM	Fluoranthene	483	ug/kg	37.0	10/25/16 15:27	
EPA 8270 by SIM	Fluorene	14.7J	ug/kg	29.4	10/25/16 15:27	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	97.5	ug/kg	15.6	10/25/16 15:27	
EPA 8270 by SIM	1-Methylnaphthalene	79.4	ug/kg	28.5	10/25/16 15:27	
EPA 8270 by SIM	2-Methylnaphthalene	126	ug/kg	35.5	10/25/16 15:27	
EPA 8270 by SIM	Naphthalene	85.4	ug/kg	59.8	10/25/16 15:27	
EPA 8270 by SIM	Phenanthrene	360	ug/kg	82.6	10/25/16 15:27	
EPA 8270 by SIM	Pyrene	475	ug/kg	31.9	10/25/16 15:27	
EPA 8260	Naphthalene	134J	ug/kg	266	10/24/16 16:27	
EPA 8260	Toluene	33.0J	ug/kg	63.8	10/24/16 16:27	
EPA 8260	1,2,4-Trimethylbenzene	37.7J	ug/kg	63.8	10/24/16 16:27	
EPA 8260	Xylene (Total)	85.3J	ug/kg	192	10/24/16 16:27	
ASTM D2974-87	Percent Moisture	6.0	%	0.10	10/26/16 14:35	
<b>40140636006</b>	<b>B-6 (2-4')</b>					
EPA 6010	Arsenic	5.5	mg/kg	5.1	10/26/16 12:39	
EPA 6010	Lead	59.0	mg/kg	1.3	10/26/16 12:39	
EPA 7471	Mercury	0.11J	mg/kg	0.12	10/25/16 11:53	
EPA 8270 by SIM	Acenaphthene	7.4J	ug/kg	14.1	10/25/16 17:26	
EPA 8270 by SIM	Acenaphthylene	17.5	ug/kg	12.0	10/25/16 17:26	
EPA 8270 by SIM	Anthracene	48.8	ug/kg	20.7	10/25/16 17:26	

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140636006</b>	<b>B-6 (2-4')</b>					
EPA 8270 by SIM	Benzo(a)anthracene	131	ug/kg	11.6	10/25/16 17:26	
EPA 8270 by SIM	Benzo(a)pyrene	153	ug/kg	9.1	10/25/16 17:26	
EPA 8270 by SIM	Benzo(b)fluoranthene	226	ug/kg	10.3	10/25/16 17:26	
EPA 8270 by SIM	Benzo(g,h,i)perylene	55.2	ug/kg	7.4	10/25/16 17:26	
EPA 8270 by SIM	Benzo(k)fluoranthene	83.5	ug/kg	9.1	10/25/16 17:26	
EPA 8270 by SIM	Chrysene	179	ug/kg	12.2	10/25/16 17:26	
EPA 8270 by SIM	Dibenz(a,h)anthracene	21.9	ug/kg	8.1	10/25/16 17:26	
EPA 8270 by SIM	Fluoranthene	256	ug/kg	19.0	10/25/16 17:26	
EPA 8270 by SIM	Fluorene	6.0J	ug/kg	15.1	10/25/16 17:26	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	59.6	ug/kg	8.0	10/25/16 17:26	
EPA 8270 by SIM	1-Methylnaphthalene	63.9	ug/kg	14.6	10/25/16 17:26	
EPA 8270 by SIM	2-Methylnaphthalene	81.5	ug/kg	18.2	10/25/16 17:26	
EPA 8270 by SIM	Naphthalene	63.4	ug/kg	30.7	10/25/16 17:26	
EPA 8270 by SIM	Phenanthrene	186	ug/kg	42.3	10/25/16 17:26	
EPA 8270 by SIM	Pyrene	224	ug/kg	16.4	10/25/16 17:26	
EPA 8260	Naphthalene	68.0J	ug/kg	273	10/24/16 16:50	
ASTM D2974-87	Percent Moisture	8.4	%	0.10	10/26/16 14:35	
<b>40140636007</b>	<b>B-7 (2-4')</b>					
EPA 6010	Arsenic	6.0	mg/kg	5.3	10/26/16 12:41	
EPA 6010	Lead	137	mg/kg	1.4	10/26/16 12:41	
EPA 7471	Mercury	0.29	mg/kg	0.13	10/25/16 12:00	
EPA 8270 by SIM	Acenaphthene	14.7	ug/kg	14.0	10/25/16 17:43	
EPA 8270 by SIM	Acenaphthylene	32.5	ug/kg	11.9	10/25/16 17:43	
EPA 8270 by SIM	Anthracene	86.4	ug/kg	20.6	10/25/16 17:43	
EPA 8270 by SIM	Benzo(a)anthracene	219	ug/kg	11.5	10/25/16 17:43	
EPA 8270 by SIM	Benzo(a)pyrene	217	ug/kg	9.1	10/25/16 17:43	
EPA 8270 by SIM	Benzo(b)fluoranthene	299	ug/kg	10.2	10/25/16 17:43	
EPA 8270 by SIM	Benzo(g,h,i)perylene	80.3	ug/kg	7.3	10/25/16 17:43	
EPA 8270 by SIM	Benzo(k)fluoranthene	129	ug/kg	9.0	10/25/16 17:43	
EPA 8270 by SIM	Chrysene	267	ug/kg	12.1	10/25/16 17:43	
EPA 8270 by SIM	Dibenz(a,h)anthracene	30.0	ug/kg	8.1	10/25/16 17:43	
EPA 8270 by SIM	Fluoranthene	455	ug/kg	18.8	10/25/16 17:43	
EPA 8270 by SIM	Fluorene	15.8	ug/kg	14.9	10/25/16 17:43	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	83.3	ug/kg	7.9	10/25/16 17:43	
EPA 8270 by SIM	1-Methylnaphthalene	45.0	ug/kg	14.5	10/25/16 17:43	
EPA 8270 by SIM	2-Methylnaphthalene	63.8	ug/kg	18.1	10/25/16 17:43	
EPA 8270 by SIM	Naphthalene	62.1	ug/kg	30.4	10/25/16 17:43	
EPA 8270 by SIM	Phenanthrene	325	ug/kg	42.0	10/25/16 17:43	
EPA 8270 by SIM	Pyrene	386	ug/kg	16.2	10/25/16 17:43	
EPA 8260	Naphthalene	52.8J	ug/kg	271	10/25/16 11:14	
ASTM D2974-87	Percent Moisture	7.6	%	0.10	10/26/16 14:35	
<b>40140636008</b>	<b>B-8 (2-4')</b>					
EPA 6010	Arsenic	4.5J	mg/kg	5.2	10/26/16 12:44	
EPA 6010	Lead	67.5	mg/kg	1.4	10/26/16 12:44	
EPA 7471	Mercury	0.14	mg/kg	0.12	10/25/16 12:03	
EPA 8270 by SIM	Acenaphthene	4.3J	ug/kg	13.7	10/24/16 16:55	

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140636008</b>	<b>B-8 (2-4')</b>					
EPA 8270 by SIM	Acenaphthylene	6.0J	ug/kg	11.7	10/24/16 16:55	
EPA 8270 by SIM	Anthracene	21.1	ug/kg	20.2	10/24/16 16:55	
EPA 8270 by SIM	Benzo(a)anthracene	50.6	ug/kg	11.2	10/24/16 16:55	
EPA 8270 by SIM	Benzo(a)pyrene	55.5	ug/kg	8.9	10/24/16 16:55	
EPA 8270 by SIM	Benzo(b)fluoranthene	77.4	ug/kg	10	10/24/16 16:55	
EPA 8270 by SIM	Benzo(g,h,i)perylene	34.3	ug/kg	7.2	10/24/16 16:55	
EPA 8270 by SIM	Benzo(k)fluoranthene	32.4	ug/kg	8.9	10/24/16 16:55	
EPA 8270 by SIM	Chrysene	67.6	ug/kg	11.9	10/24/16 16:55	
EPA 8270 by SIM	Dibenz(a,h)anthracene	9.2	ug/kg	7.9	10/24/16 16:55	
EPA 8270 by SIM	Fluoranthene	96.3	ug/kg	18.5	10/24/16 16:55	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	28.5	ug/kg	7.8	10/24/16 16:55	
EPA 8270 by SIM	1-Methylnaphthalene	24.1	ug/kg	14.2	10/24/16 16:55	
EPA 8270 by SIM	2-Methylnaphthalene	32.0	ug/kg	17.7	10/24/16 16:55	
EPA 8270 by SIM	Naphthalene	20.6J	ug/kg	29.8	10/24/16 16:55	
EPA 8270 by SIM	Phenanthrene	85.6	ug/kg	41.2	10/24/16 16:55	
EPA 8270 by SIM	Pyrene	93.5	ug/kg	15.9	10/24/16 16:55	
EPA 8260	Naphthalene	50.5J	ug/kg	265	10/25/16 11:43	
ASTM D2974-87	Percent Moisture	5.7	%	0.10	10/26/16 14:35	
<b>40140636009</b>	<b>B-9 (2-4')</b>					
EPA 6010	Arsenic	2.1J	mg/kg	5.1	10/26/16 12:46	
EPA 6010	Lead	18.6	mg/kg	1.3	10/26/16 12:46	
EPA 7471	Mercury	0.047J	mg/kg	0.12	10/25/16 12:05	
EPA 8270 by SIM	Acenaphthene	20.2	ug/kg	13.5	10/25/16 18:01	
EPA 8270 by SIM	Acenaphthylene	3.7J	ug/kg	11.5	10/25/16 18:01	
EPA 8270 by SIM	Anthracene	64.4	ug/kg	19.9	10/25/16 18:01	
EPA 8270 by SIM	Benzo(a)anthracene	130	ug/kg	11.1	10/25/16 18:01	
EPA 8270 by SIM	Benzo(a)pyrene	137	ug/kg	8.7	10/25/16 18:01	
EPA 8270 by SIM	Benzo(b)fluoranthene	179	ug/kg	9.8	10/25/16 18:01	
EPA 8270 by SIM	Benzo(g,h,i)perylene	46.7	ug/kg	7.1	10/25/16 18:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	77.6	ug/kg	8.7	10/25/16 18:01	
EPA 8270 by SIM	Chrysene	142	ug/kg	11.7	10/25/16 18:01	
EPA 8270 by SIM	Dibenz(a,h)anthracene	15.1	ug/kg	7.8	10/25/16 18:01	
EPA 8270 by SIM	Fluoranthene	319	ug/kg	18.2	10/25/16 18:01	
EPA 8270 by SIM	Fluorene	19.3	ug/kg	14.4	10/25/16 18:01	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	49.2	ug/kg	7.7	10/25/16 18:01	
EPA 8270 by SIM	1-Methylnaphthalene	6.8J	ug/kg	14.0	10/25/16 18:01	
EPA 8270 by SIM	2-Methylnaphthalene	8.1J	ug/kg	17.5	10/25/16 18:01	
EPA 8270 by SIM	Naphthalene	9.1J	ug/kg	29.4	10/25/16 18:01	
EPA 8270 by SIM	Phenanthrene	215	ug/kg	40.6	10/25/16 18:01	
EPA 8270 by SIM	Pyrene	253	ug/kg	15.7	10/25/16 18:01	
EPA 8260	Naphthalene	48.9J	ug/kg	261	10/25/16 12:06	
ASTM D2974-87	Percent Moisture	4.3	%	0.10	10/26/16 14:35	
<b>40140636010</b>	<b>B-10 (2-4')</b>					
EPA 6010	Arsenic	4.9J	mg/kg	5.3	10/26/16 12:49	
EPA 6010	Lead	113	mg/kg	1.4	10/26/16 12:49	
EPA 7471	Mercury	0.19	mg/kg	0.13	10/25/16 12:07	

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140636010</b>	<b>B-10 (2-4')</b>					
EPA 8270 by SIM	Acenaphthene	33.8	ug/kg	28.1	10/25/16 15:44	
EPA 8270 by SIM	Acenaphthylene	18.6J	ug/kg	23.9	10/25/16 15:44	
EPA 8270 by SIM	Anthracene	124	ug/kg	41.3	10/25/16 15:44	
EPA 8270 by SIM	Benzo(a)anthracene	393	ug/kg	23.1	10/25/16 15:44	
EPA 8270 by SIM	Benzo(a)pyrene	438	ug/kg	18.2	10/25/16 15:44	
EPA 8270 by SIM	Benzo(b)fluoranthene	665	ug/kg	20.5	10/25/16 15:44	
EPA 8270 by SIM	Benzo(g,h,i)perylene	222	ug/kg	14.7	10/25/16 15:44	
EPA 8270 by SIM	Benzo(k)fluoranthene	255	ug/kg	18.2	10/25/16 15:44	
EPA 8270 by SIM	Chrysene	490	ug/kg	24.4	10/25/16 15:44	
EPA 8270 by SIM	Dibenz(a,h)anthracene	72.9	ug/kg	16.2	10/25/16 15:44	
EPA 8270 by SIM	Fluoranthene	772	ug/kg	37.8	10/25/16 15:44	
EPA 8270 by SIM	Fluorene	30.4	ug/kg	30.0	10/25/16 15:44	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	212	ug/kg	15.9	10/25/16 15:44	
EPA 8270 by SIM	1-Methylnaphthalene	124	ug/kg	29.1	10/25/16 15:44	
EPA 8270 by SIM	2-Methylnaphthalene	199	ug/kg	36.3	10/25/16 15:44	
EPA 8270 by SIM	Naphthalene	107	ug/kg	61.1	10/25/16 15:44	
EPA 8270 by SIM	Phenanthrene	530	ug/kg	84.4	10/25/16 15:44	
EPA 8270 by SIM	Pyrene	638	ug/kg	32.6	10/25/16 15:44	
EPA 8260	Benzene	120	ug/kg	65.3	10/25/16 12:29	
EPA 8260	Naphthalene	125J	ug/kg	272	10/25/16 12:29	
EPA 8260	Toluene	49.2J	ug/kg	65.3	10/25/16 12:29	
EPA 8260	1,2,4-Trimethylbenzene	41.8J	ug/kg	65.3	10/25/16 12:29	
EPA 8260	Xylene (Total)	103J	ug/kg	196	10/25/16 12:29	
ASTM D2974-87	Percent Moisture	8.1	%	0.10	10/26/16 14:36	
<b>40140636011</b>	<b>B-11 (2-4')</b>					
EPA 6010	Arsenic	6.5	mg/kg	4.8	10/26/16 12:51	
EPA 6010	Lead	115	mg/kg	1.2	10/26/16 12:51	
EPA 7471	Mercury	0.27	mg/kg	0.12	10/25/16 12:10	
EPA 8270 by SIM	Acenaphthene	40.9	ug/kg	28.4	10/25/16 16:35	
EPA 8270 by SIM	Acenaphthylene	54.5	ug/kg	24.2	10/25/16 16:35	
EPA 8270 by SIM	Anthracene	155	ug/kg	41.9	10/25/16 16:35	
EPA 8270 by SIM	Benzo(a)anthracene	347	ug/kg	23.4	10/25/16 16:35	
EPA 8270 by SIM	Benzo(a)pyrene	351	ug/kg	18.4	10/25/16 16:35	
EPA 8270 by SIM	Benzo(b)fluoranthene	537	ug/kg	20.7	10/25/16 16:35	
EPA 8270 by SIM	Benzo(g,h,i)perylene	112	ug/kg	14.9	10/25/16 16:35	
EPA 8270 by SIM	Benzo(k)fluoranthene	189	ug/kg	18.4	10/25/16 16:35	
EPA 8270 by SIM	Chrysene	470	ug/kg	24.7	10/25/16 16:35	
EPA 8270 by SIM	Dibenz(a,h)anthracene	44.5	ug/kg	16.4	10/25/16 16:35	
EPA 8270 by SIM	Fluoranthene	730	ug/kg	38.3	10/25/16 16:35	
EPA 8270 by SIM	Fluorene	49.0	ug/kg	30.4	10/25/16 16:35	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	119	ug/kg	16.1	10/25/16 16:35	
EPA 8270 by SIM	1-Methylnaphthalene	258	ug/kg	29.5	10/25/16 16:35	
EPA 8270 by SIM	2-Methylnaphthalene	323	ug/kg	36.8	10/25/16 16:35	
EPA 8270 by SIM	Naphthalene	242	ug/kg	61.9	10/25/16 16:35	
EPA 8270 by SIM	Phenanthrene	849	ug/kg	85.5	10/25/16 16:35	
EPA 8270 by SIM	Pyrene	659	ug/kg	33.0	10/25/16 16:35	
EPA 8260	Benzene	56.8J	ug/kg	66.1	10/25/16 12:52	

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40140636011</b>	<b>B-11 (2-4')</b>					
EPA 8260	Ethylbenzene	31.4J	ug/kg	66.1	10/25/16 12:52	
EPA 8260	Naphthalene	175J	ug/kg	275	10/25/16 12:52	
EPA 8260	Toluene	144	ug/kg	66.1	10/25/16 12:52	
EPA 8260	1,2,4-Trimethylbenzene	59.8J	ug/kg	66.1	10/25/16 12:52	
EPA 8260	Xylene (Total)	161J	ug/kg	198	10/25/16 12:52	
ASTM D2974-87	Percent Moisture	9.2	%	0.10	10/26/16 14:36	
<b>40140636012</b>	<b>B-12 (2-4')</b>					
EPA 6010	Arsenic	4.6J	mg/kg	5.4	10/26/16 12:54	
EPA 6010	Lead	25.6	mg/kg	1.4	10/26/16 12:54	
EPA 7471	Mercury	0.047J	mg/kg	0.12	10/25/16 12:12	
EPA 8270 by SIM	Acenaphthene	4.7J	ug/kg	14.2	10/24/16 17:12	
EPA 8270 by SIM	Acenaphthylene	14.3	ug/kg	12.1	10/24/16 17:12	
EPA 8270 by SIM	Anthracene	32.2	ug/kg	20.9	10/24/16 17:12	
EPA 8270 by SIM	Benzo(a)anthracene	64.6	ug/kg	11.7	10/24/16 17:12	
EPA 8270 by SIM	Benzo(a)pyrene	63.5	ug/kg	9.2	10/24/16 17:12	
EPA 8270 by SIM	Benzo(b)fluoranthene	88.8	ug/kg	10.4	10/24/16 17:12	
EPA 8270 by SIM	Benzo(g,h,i)perylene	40.4	ug/kg	7.4	10/24/16 17:12	
EPA 8270 by SIM	Benzo(k)fluoranthene	41.8	ug/kg	9.2	10/24/16 17:12	
EPA 8270 by SIM	Chrysene	88.0	ug/kg	12.3	10/24/16 17:12	
EPA 8270 by SIM	Dibenz(a,h)anthracene	11.5	ug/kg	8.2	10/24/16 17:12	
EPA 8270 by SIM	Fluoranthene	121	ug/kg	19.1	10/24/16 17:12	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	33.9	ug/kg	8.1	10/24/16 17:12	
EPA 8270 by SIM	1-Methylnaphthalene	29.9	ug/kg	14.7	10/24/16 17:12	
EPA 8270 by SIM	2-Methylnaphthalene	36.4	ug/kg	18.4	10/24/16 17:12	
EPA 8270 by SIM	Naphthalene	25.9J	ug/kg	30.9	10/24/16 17:12	
EPA 8270 by SIM	Phenanthrene	105	ug/kg	42.7	10/24/16 17:12	
EPA 8270 by SIM	Pyrene	109	ug/kg	16.5	10/24/16 17:12	
EPA 8260	p-Isopropyltoluene	86.2	ug/kg	66.0	10/25/16 13:16	
EPA 8260	Naphthalene	53.0J	ug/kg	275	10/25/16 13:16	
ASTM D2974-87	Percent Moisture	9.1	%	0.10	10/26/16 14:36	
<b>40140636013</b>	<b>B-13 (2-4')</b>					
EPA 6010	Arsenic	5.8	mg/kg	5.6	10/26/16 13:01	
EPA 6010	Lead	144	mg/kg	1.5	10/26/16 13:01	
EPA 7471	Mercury	0.69	mg/kg	0.13	10/25/16 12:14	
EPA 8270 by SIM	Acenaphthene	19.6	ug/kg	14.8	10/25/16 18:18	
EPA 8270 by SIM	Acenaphthylene	10.1J	ug/kg	12.6	10/25/16 18:18	
EPA 8270 by SIM	Anthracene	72.6	ug/kg	21.7	10/25/16 18:18	
EPA 8270 by SIM	Benzo(a)anthracene	138	ug/kg	12.1	10/25/16 18:18	
EPA 8270 by SIM	Benzo(a)pyrene	139	ug/kg	9.6	10/25/16 18:18	
EPA 8270 by SIM	Benzo(b)fluoranthene	176	ug/kg	10.8	10/25/16 18:18	
EPA 8270 by SIM	Benzo(g,h,i)perylene	45.7	ug/kg	7.7	10/25/16 18:18	
EPA 8270 by SIM	Benzo(k)fluoranthene	83.1	ug/kg	9.6	10/25/16 18:18	
EPA 8270 by SIM	Chrysene	162	ug/kg	12.8	10/25/16 18:18	
EPA 8270 by SIM	Dibenz(a,h)anthracene	15.9	ug/kg	8.5	10/25/16 18:18	
EPA 8270 by SIM	Fluoranthene	363	ug/kg	19.9	10/25/16 18:18	
EPA 8270 by SIM	Fluorene	26.5	ug/kg	15.8	10/25/16 18:18	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40140636013</b>	<b>B-13 (2-4')</b>					
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	46.5	ug/kg	8.4	10/25/16 18:18	
EPA 8270 by SIM	1-Methylnaphthalene	11.0J	ug/kg	15.3	10/25/16 18:18	
EPA 8270 by SIM	2-Methylnaphthalene	10.9J	ug/kg	19.1	10/25/16 18:18	
EPA 8270 by SIM	Naphthalene	14.2J	ug/kg	32.1	10/25/16 18:18	
EPA 8270 by SIM	Phenanthrene	291	ug/kg	44.4	10/25/16 18:18	
EPA 8270 by SIM	Pyrene	301	ug/kg	17.2	10/25/16 18:18	
EPA 8260	Naphthalene	47.6J	ug/kg	286	10/25/16 13:39	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	10/26/16 14:36	
<b>40140636014</b>	<b>B-14 (2-4')</b>					
EPA 6010	Arsenic	5.9	mg/kg	4.7	10/26/16 13:03	
EPA 6010	Lead	57.5	mg/kg	1.2	10/26/16 13:03	
EPA 7471	Mercury	0.11J	mg/kg	0.13	10/25/16 12:16	
EPA 8270 by SIM	Acenaphthene	65.7	ug/kg	55.1	10/25/16 16:52	
EPA 8270 by SIM	Acenaphthylene	15.3J	ug/kg	47.0	10/25/16 16:52	
EPA 8270 by SIM	Anthracene	241	ug/kg	81.2	10/25/16 16:52	
EPA 8270 by SIM	Benzo(a)anthracene	582	ug/kg	45.3	10/25/16 16:52	
EPA 8270 by SIM	Benzo(a)pyrene	650	ug/kg	35.8	10/25/16 16:52	
EPA 8270 by SIM	Benzo(b)fluoranthene	818	ug/kg	40.2	10/25/16 16:52	
EPA 8270 by SIM	Benzo(g,h,i)perylene	228	ug/kg	28.9	10/25/16 16:52	
EPA 8270 by SIM	Benzo(k)fluoranthene	385	ug/kg	35.7	10/25/16 16:52	
EPA 8270 by SIM	Chrysene	654	ug/kg	47.9	10/25/16 16:52	
EPA 8270 by SIM	Dibenz(a,h)anthracene	79.7	ug/kg	31.8	10/25/16 16:52	
EPA 8270 by SIM	Fluoranthene	1380	ug/kg	74.4	10/25/16 16:52	
EPA 8270 by SIM	Fluorene	71.3	ug/kg	59.0	10/25/16 16:52	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	244	ug/kg	31.3	10/25/16 16:52	
EPA 8270 by SIM	1-Methylnaphthalene	32.0J	ug/kg	57.3	10/25/16 16:52	
EPA 8270 by SIM	2-Methylnaphthalene	42.9J	ug/kg	71.4	10/25/16 16:52	
EPA 8270 by SIM	Naphthalene	36.1J	ug/kg	120	10/25/16 16:52	
EPA 8270 by SIM	Phenanthrene	667	ug/kg	166	10/25/16 16:52	
EPA 8270 by SIM	Pyrene	1100	ug/kg	64.1	10/25/16 16:52	
EPA 8260	Benzene	65.3	ug/kg	64.1	10/25/16 14:02	
EPA 8260	Ethylbenzene	29.0J	ug/kg	64.1	10/25/16 14:02	
EPA 8260	Naphthalene	119J	ug/kg	267	10/25/16 14:02	
EPA 8260	Toluene	57.1J	ug/kg	64.1	10/25/16 14:02	
EPA 8260	1,2,4-Trimethylbenzene	45.4J	ug/kg	64.1	10/25/16 14:02	
EPA 8260	Xylene (Total)	127J	ug/kg	192	10/25/16 14:02	
ASTM D2974-87	Percent Moisture	6.4	%	0.10	10/26/16 14:36	
<b>40140636015</b>	<b>B-15 (2-4')</b>					
EPA 6010	Arsenic	3.8J	mg/kg	5.2	10/26/16 13:06	
EPA 6010	Lead	22.7	mg/kg	1.4	10/26/16 13:06	
EPA 7471	Mercury	0.053J	mg/kg	0.12	10/25/16 12:19	
EPA 8270 by SIM	Acenaphthene	5.1J	ug/kg	13.6	10/25/16 12:28	
EPA 8270 by SIM	Acenaphthylene	14.3	ug/kg	11.6	10/25/16 12:28	
EPA 8270 by SIM	Anthracene	25.2	ug/kg	20.0	10/25/16 12:28	
EPA 8270 by SIM	Benzo(a)anthracene	101	ug/kg	11.2	10/25/16 12:28	
EPA 8270 by SIM	Benzo(a)pyrene	101	ug/kg	8.8	10/25/16 12:28	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140636015</b>	<b>B-15 (2-4')</b>					
EPA 8270 by SIM	Benzo(b)fluoranthene	135	ug/kg	9.9	10/25/16 12:28	
EPA 8270 by SIM	Benzo(g,h,i)perylene	64.7	ug/kg	7.1	10/25/16 12:28	
EPA 8270 by SIM	Benzo(k)fluoranthene	57.7	ug/kg	8.8	10/25/16 12:28	
EPA 8270 by SIM	Chrysene	119	ug/kg	11.8	10/25/16 12:28	
EPA 8270 by SIM	Dibenz(a,h)anthracene	19.3	ug/kg	7.8	10/25/16 12:28	
EPA 8270 by SIM	Fluoranthene	176	ug/kg	18.3	10/25/16 12:28	
EPA 8270 by SIM	Fluorene	4.4J	ug/kg	14.5	10/25/16 12:28	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	55.1	ug/kg	7.7	10/25/16 12:28	
EPA 8270 by SIM	1-Methylnaphthalene	29.1	ug/kg	14.1	10/25/16 12:28	
EPA 8270 by SIM	2-Methylnaphthalene	36.4	ug/kg	17.6	10/25/16 12:28	
EPA 8270 by SIM	Naphthalene	38.0	ug/kg	29.6	10/25/16 12:28	
EPA 8270 by SIM	Phenanthrene	127	ug/kg	40.8	10/25/16 12:28	
EPA 8270 by SIM	Pyrene	164	ug/kg	15.8	10/25/16 12:28	
EPA 8260	Naphthalene	66.2J	ug/kg	263	10/25/16 14:25	
EPA 8260	Trichloroethene	46.7J	ug/kg	63.1	10/25/16 14:25	
ASTM D2974-87	Percent Moisture	5.0	%	0.10	10/26/16 14:37	
<b>40140636016</b>	<b>B-16 (2-4')</b>					
EPA 6010	Arsenic	9.8	mg/kg	5.6	10/26/16 13:08	
EPA 6010	Lead	142	mg/kg	1.5	10/26/16 13:08	
EPA 6010	Selenium	1.4J	mg/kg	5.6	10/26/16 13:08	
EPA 7471	Mercury	0.24	mg/kg	0.13	10/25/16 12:21	
EPA 8270 by SIM	Acenaphthene	5.9J	ug/kg	15.0	10/25/16 12:11	
EPA 8270 by SIM	Acenaphthylene	6.3J	ug/kg	12.8	10/25/16 12:11	
EPA 8270 by SIM	Anthracene	30.8	ug/kg	22.1	10/25/16 12:11	
EPA 8270 by SIM	Benzo(a)anthracene	79.3	ug/kg	12.3	10/25/16 12:11	
EPA 8270 by SIM	Benzo(a)pyrene	74.7	ug/kg	9.7	10/25/16 12:11	
EPA 8270 by SIM	Benzo(b)fluoranthene	106	ug/kg	11.0	10/25/16 12:11	
EPA 8270 by SIM	Benzo(g,h,i)perylene	47.8	ug/kg	7.9	10/25/16 12:11	
EPA 8270 by SIM	Benzo(k)fluoranthene	42.4	ug/kg	9.7	10/25/16 12:11	
EPA 8270 by SIM	Chrysene	109	ug/kg	13.0	10/25/16 12:11	
EPA 8270 by SIM	Dibenz(a,h)anthracene	13.8	ug/kg	8.7	10/25/16 12:11	
EPA 8270 by SIM	Fluoranthene	155	ug/kg	20.3	10/25/16 12:11	
EPA 8270 by SIM	Fluorene	7.5J	ug/kg	16.1	10/25/16 12:11	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	39.5	ug/kg	8.5	10/25/16 12:11	
EPA 8270 by SIM	1-Methylnaphthalene	156	ug/kg	15.6	10/25/16 12:11	
EPA 8270 by SIM	2-Methylnaphthalene	211	ug/kg	19.5	10/25/16 12:11	
EPA 8270 by SIM	Naphthalene	181	ug/kg	32.7	10/25/16 12:11	
EPA 8270 by SIM	Phenanthrene	207	ug/kg	45.2	10/25/16 12:11	
EPA 8270 by SIM	Pyrene	140	ug/kg	17.5	10/25/16 12:11	
EPA 8260	Naphthalene	65.8J	ug/kg	291	10/25/16 14:48	
EPA 8260	Toluene	43.5J	ug/kg	69.9	10/25/16 14:48	
ASTM D2974-87	Percent Moisture	14.1	%	0.10	10/26/16 14:37	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140636

**Sample: B-1 (2-4)**      **Lab ID: 40140636001**      Collected: 10/20/16 15:25      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>5.5J</b>	mg/kg	5.6	1.2	1	10/25/16 09:38	10/26/16 12:17	7440-38-2	
Lead	<b>58.7</b>	mg/kg	1.4	0.48	1	10/25/16 09:38	10/26/16 12:17	7439-92-1	M0
Selenium	<b>&lt;1.2</b>	mg/kg	5.6	1.2	1	10/25/16 09:38	10/26/16 12:17	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.10J</b>	mg/kg	0.14	0.041	1	10/25/16 08:01	10/25/16 11:37	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>27.8J</b>	ug/kg	28.7	8.6	2	10/24/16 09:35	10/25/16 13:37	83-32-9	
Acenaphthylene	<b>10.3J</b>	ug/kg	24.5	7.3	2	10/24/16 09:35	10/25/16 13:37	208-96-8	
Anthracene	<b>123</b>	ug/kg	42.3	12.7	2	10/24/16 09:35	10/25/16 13:37	120-12-7	
Benzo(a)anthracene	<b>282</b>	ug/kg	23.6	7.1	2	10/24/16 09:35	10/25/16 13:37	56-55-3	
Benzo(a)pyrene	<b>308</b>	ug/kg	18.6	5.6	2	10/24/16 09:35	10/25/16 13:37	50-32-8	
Benzo(b)fluoranthene	<b>390</b>	ug/kg	21.0	6.3	2	10/24/16 09:35	10/25/16 13:37	205-99-2	
Benzo(g,h,i)perylene	<b>182</b>	ug/kg	15.1	4.5	2	10/24/16 09:35	10/25/16 13:37	191-24-2	
Benzo(k)fluoranthene	<b>164</b>	ug/kg	18.6	5.6	2	10/24/16 09:35	10/25/16 13:37	207-08-9	
Chrysene	<b>338</b>	ug/kg	25.0	7.5	2	10/24/16 09:35	10/25/16 13:37	218-01-9	
Dibenz(a,h)anthracene	<b>46.9</b>	ug/kg	16.6	5.0	2	10/24/16 09:35	10/25/16 13:37	53-70-3	
Fluoranthene	<b>705</b>	ug/kg	38.8	11.6	2	10/24/16 09:35	10/25/16 13:37	206-44-0	
Fluorene	<b>36.5</b>	ug/kg	30.7	9.2	2	10/24/16 09:35	10/25/16 13:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>159</b>	ug/kg	16.3	4.9	2	10/24/16 09:35	10/25/16 13:37	193-39-5	
1-Methylnaphthalene	<b>46.2</b>	ug/kg	29.9	9.0	2	10/24/16 09:35	10/25/16 13:37	90-12-0	
2-Methylnaphthalene	<b>60.1</b>	ug/kg	37.2	11.1	2	10/24/16 09:35	10/25/16 13:37	91-57-6	
Naphthalene	<b>38.1J</b>	ug/kg	62.6	18.8	2	10/24/16 09:35	10/25/16 13:37	91-20-3	
Phenanthrene	<b>340</b>	ug/kg	86.4	26.0	2	10/24/16 09:35	10/25/16 13:37	85-01-8	
Pyrene	<b>563</b>	ug/kg	33.4	10.1	2	10/24/16 09:35	10/25/16 13:37	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	26-130		2	10/24/16 09:35	10/25/16 13:37	321-60-8	
Terphenyl-d14 (S)	58	%	10-130		2	10/24/16 09:35	10/25/16 13:37	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>376</b>	ug/kg	66.8	27.8	1	10/24/16 07:30	10/24/16 14:54	71-43-2	
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 14:54	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 14:54	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 14:54	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-1 (2-4)**      **Lab ID: 40140636001**      Collected: 10/20/16 15:25      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 14:54	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	108-20-3	W
Ethylbenzene	32.2J	ug/kg	66.8	27.8	1	10/24/16 07:30	10/24/16 14:54	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	1634-04-4	W
Naphthalene	65.4J	ug/kg	278	44.6	1	10/24/16 07:30	10/24/16 14:54	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 14:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	96-18-4	W
1,2,4-Trimethylbenzene	38.4J	ug/kg	66.8	27.8	1	10/24/16 07:30	10/24/16 14:54	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 14:54	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-1 (2-4)**      **Lab ID: 40140636001**      Collected: 10/20/16 15:25      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 14:54	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	104	%	53-165		1	10/24/16 07:30	10/24/16 14:54	1868-53-7	
Toluene-d8 (S)	111	%	54-163		1	10/24/16 07:30	10/24/16 14:54	2037-26-5	
4-Bromofluorobenzene (S)	105	%	48-138		1	10/24/16 07:30	10/24/16 14:54	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>10.2</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-2 (2-4)**      **Lab ID: 40140636002**      Collected: 10/20/16 15:50      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	5.5	mg/kg	5.3	1.1	1	10/25/16 09:38	10/26/16 12:25	7440-38-2	
Lead	51.5	mg/kg	1.4	0.46	1	10/25/16 09:38	10/26/16 12:25	7439-92-1	
Selenium	<1.2	mg/kg	5.3	1.2	1	10/25/16 09:38	10/26/16 12:25	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	0.13	mg/kg	0.12	0.036	1	10/25/16 08:01	10/25/16 11:44	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	50.9J	ug/kg	56.1	16.9	4	10/24/16 09:35	10/25/16 13:54	83-32-9	
Acenaphthylene	<14.3	ug/kg	47.8	14.3	4	10/24/16 09:35	10/25/16 13:54	208-96-8	
Anthracene	191	ug/kg	82.6	24.8	4	10/24/16 09:35	10/25/16 13:54	120-12-7	
Benzo(a)anthracene	361	ug/kg	46.1	13.8	4	10/24/16 09:35	10/25/16 13:54	56-55-3	
Benzo(a)pyrene	400	ug/kg	36.4	10.9	4	10/24/16 09:35	10/25/16 13:54	50-32-8	
Benzo(b)fluoranthene	487	ug/kg	40.9	12.3	4	10/24/16 09:35	10/25/16 13:54	205-99-2	
Benzo(g,h,i)perylene	235	ug/kg	29.4	8.8	4	10/24/16 09:35	10/25/16 13:54	191-24-2	
Benzo(k)fluoranthene	216	ug/kg	36.3	10.9	4	10/24/16 09:35	10/25/16 13:54	207-08-9	
Chrysene	447	ug/kg	48.7	14.7	4	10/24/16 09:35	10/25/16 13:54	218-01-9	
Dibenz(a,h)anthracene	58.0	ug/kg	32.4	9.7	4	10/24/16 09:35	10/25/16 13:54	53-70-3	
Fluoranthene	948	ug/kg	75.6	22.6	4	10/24/16 09:35	10/25/16 13:54	206-44-0	
Fluorene	43.4J	ug/kg	60.0	18.0	4	10/24/16 09:35	10/25/16 13:54	86-73-7	
Indeno(1,2,3-cd)pyrene	214	ug/kg	31.9	9.6	4	10/24/16 09:35	10/25/16 13:54	193-39-5	
1-Methylnaphthalene	64.5	ug/kg	58.2	17.5	4	10/24/16 09:35	10/25/16 13:54	90-12-0	
2-Methylnaphthalene	107	ug/kg	72.6	21.7	4	10/24/16 09:35	10/25/16 13:54	91-57-6	
Naphthalene	93.6J	ug/kg	122	36.6	4	10/24/16 09:35	10/25/16 13:54	91-20-3	
Phenanthrene	485	ug/kg	169	50.6	4	10/24/16 09:35	10/25/16 13:54	85-01-8	
Pyrene	770	ug/kg	65.2	19.6	4	10/24/16 09:35	10/25/16 13:54	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	26-130		4	10/24/16 09:35	10/25/16 13:54	321-60-8	
Terphenyl-d14 (S)	54	%	10-130		4	10/24/16 09:35	10/25/16 13:54	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	120	ug/kg	65.2	27.2	1	10/24/16 07:30	10/24/16 15:17	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 15:17	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 15:17	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 15:17	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-2 (2-4) Lab ID: 40140636002 Collected: 10/20/16 15:50 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 15:17	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	108-20-3	W
Ethylbenzene	38.0J	ug/kg	65.2	27.2	1	10/24/16 07:30	10/24/16 15:17	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	1634-04-4	W
Naphthalene	74.7J	ug/kg	272	43.5	1	10/24/16 07:30	10/24/16 15:17	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	127-18-4	W
Toluene	29.6J	ug/kg	65.2	27.2	1	10/24/16 07:30	10/24/16 15:17	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 15:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	96-18-4	W
1,2,4-Trimethylbenzene	31.1J	ug/kg	65.2	27.2	1	10/24/16 07:30	10/24/16 15:17	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:17	75-01-4	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-2 (2-4)**      **Lab ID: 40140636002**      Collected: 10/20/16 15:50      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 15:17	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	102	%	53-165		1	10/24/16 07:30	10/24/16 15:17	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	10/24/16 07:30	10/24/16 15:17	2037-26-5	
4-Bromofluorobenzene (S)	97	%	48-138		1	10/24/16 07:30	10/24/16 15:17	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.0</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
 Pace Project No.: 40140636

**Sample: B-3 (2-4)**      **Lab ID: 40140636003**      Collected: 10/20/16 11:37      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>6.0</b>	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:32	7440-38-2	
Lead	<b>71.7</b>	mg/kg	1.3	0.44	1	10/25/16 09:38	10/26/16 12:32	7439-92-1	
Selenium	<b>1.2J</b>	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:32	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.37</b>	mg/kg	0.12	0.037	1	10/25/16 08:01	10/25/16 11:46	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>18.3J</b>	ug/kg	28.0	8.4	2	10/24/16 09:35	10/25/16 14:53	83-32-9	
Acenaphthylene	<b>27.7</b>	ug/kg	23.9	7.1	2	10/24/16 09:35	10/25/16 14:53	208-96-8	
Anthracene	<b>92.2</b>	ug/kg	41.2	12.4	2	10/24/16 09:35	10/25/16 14:53	120-12-7	
Benzo(a)anthracene	<b>293</b>	ug/kg	23.0	6.9	2	10/24/16 09:35	10/25/16 14:53	56-55-3	
Benzo(a)pyrene	<b>364</b>	ug/kg	18.2	5.4	2	10/24/16 09:35	10/25/16 14:53	50-32-8	
Benzo(b)fluoranthene	<b>503</b>	ug/kg	20.4	6.1	2	10/24/16 09:35	10/25/16 14:53	205-99-2	
Benzo(g,h,i)perylene	<b>224</b>	ug/kg	14.7	4.4	2	10/24/16 09:35	10/25/16 14:53	191-24-2	
Benzo(k)fluoranthene	<b>207</b>	ug/kg	18.1	5.4	2	10/24/16 09:35	10/25/16 14:53	207-08-9	
Chrysene	<b>407</b>	ug/kg	24.3	7.3	2	10/24/16 09:35	10/25/16 14:53	218-01-9	
Dibenz(a,h)anthracene	<b>64.5</b>	ug/kg	16.2	4.8	2	10/24/16 09:35	10/25/16 14:53	53-70-3	
Fluoranthene	<b>576</b>	ug/kg	37.7	11.3	2	10/24/16 09:35	10/25/16 14:53	206-44-0	
Fluorene	<b>19.1J</b>	ug/kg	29.9	9.0	2	10/24/16 09:35	10/25/16 14:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>201</b>	ug/kg	15.9	4.8	2	10/24/16 09:35	10/25/16 14:53	193-39-5	
1-Methylnaphthalene	<b>45.6</b>	ug/kg	29.1	8.7	2	10/24/16 09:35	10/25/16 14:53	90-12-0	
2-Methylnaphthalene	<b>58.8</b>	ug/kg	36.2	10.8	2	10/24/16 09:35	10/25/16 14:53	91-57-6	
Naphthalene	<b>54.7J</b>	ug/kg	60.9	18.3	2	10/24/16 09:35	10/25/16 14:53	91-20-3	
Phenanthrene	<b>308</b>	ug/kg	84.1	25.3	2	10/24/16 09:35	10/25/16 14:53	85-01-8	
Pyrene	<b>523</b>	ug/kg	32.5	9.8	2	10/24/16 09:35	10/25/16 14:53	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	26-130		2	10/24/16 09:35	10/25/16 14:53	321-60-8	
Terphenyl-d14 (S)	56	%	10-130		2	10/24/16 09:35	10/25/16 14:53	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	71-43-2	W
Bromobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	108-86-1	W
Bromochloromethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	74-97-5	W
Bromodichloromethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-27-4	W
Bromoform	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-25-2	W
Bromomethane	< <b>69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 15:40	74-83-9	W
n-Butylbenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	104-51-8	W
sec-Butylbenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	135-98-8	W
tert-Butylbenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	98-06-6	W
Carbon tetrachloride	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	56-23-5	W
Chlorobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	108-90-7	W
Chloroethane	< <b>67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 15:40	75-00-3	W
Chloroform	< <b>46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 15:40	67-66-3	W
Chloromethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-3 (2-4)**      **Lab ID: 40140636003**      Collected: 10/20/16 11:37      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 15:40	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	1634-04-4	W
Naphthalene	65.0J	ug/kg	271	43.4	1	10/24/16 07:30	10/24/16 15:40	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 15:40	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 15:40	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-3 (2-4)**      **Lab ID: 40140636003**      Collected: 10/20/16 11:37      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 15:40	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	110	%	53-165		1	10/24/16 07:30	10/24/16 15:40	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	10/24/16 07:30	10/24/16 15:40	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-138		1	10/24/16 07:30	10/24/16 15:40	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>7.8</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Phase Project No.: 40140636

**Sample: B-4 (2-4)**      **Lab ID: 40140636004**      Collected: 10/20/16 11:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>6.5</b>	mg/kg	4.9	1.0	1	10/25/16 09:38	10/26/16 12:34	7440-38-2	
Lead	<b>82.9</b>	mg/kg	1.3	0.42	1	10/25/16 09:38	10/26/16 12:34	7439-92-1	
Selenium	<b>&lt;1.1</b>	mg/kg	4.9	1.1	1	10/25/16 09:38	10/26/16 12:34	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.21</b>	mg/kg	0.12	0.036	1	10/25/16 08:01	10/25/16 11:49	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>77.2</b>	ug/kg	55.6	16.7	4	10/24/16 09:35	10/26/16 14:50	83-32-9	
Acenaphthylene	<b>21.9J</b>	ug/kg	47.4	14.2	4	10/24/16 09:35	10/26/16 14:50	208-96-8	
Anthracene	<b>257</b>	ug/kg	81.8	24.6	4	10/24/16 09:35	10/26/16 14:50	120-12-7	
Benzo(a)anthracene	<b>640</b>	ug/kg	45.6	13.7	4	10/24/16 09:35	10/26/16 14:50	56-55-3	
Benzo(a)pyrene	<b>831</b>	ug/kg	36.0	10.8	4	10/24/16 09:35	10/26/16 14:50	50-32-8	
Benzo(b)fluoranthene	<b>1170</b>	ug/kg	40.5	12.2	4	10/24/16 09:35	10/26/16 14:50	205-99-2	
Benzo(g,h,i)perylene	<b>681</b>	ug/kg	29.2	8.8	4	10/24/16 09:35	10/26/16 14:50	191-24-2	
Benzo(k)fluoranthene	<b>496</b>	ug/kg	36.0	10.8	4	10/24/16 09:35	10/26/16 14:50	207-08-9	
Chrysene	<b>849</b>	ug/kg	48.2	14.5	4	10/24/16 09:35	10/26/16 14:50	218-01-9	
Dibenz(a,h)anthracene	<b>173</b>	ug/kg	32.1	9.6	4	10/24/16 09:35	10/26/16 14:50	53-70-3	
Fluoranthene	<b>1310</b>	ug/kg	74.9	22.4	4	10/24/16 09:35	10/26/16 14:50	206-44-0	
Fluorene	<b>68.8</b>	ug/kg	59.4	17.8	4	10/24/16 09:35	10/26/16 14:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>559</b>	ug/kg	31.6	9.5	4	10/24/16 09:35	10/26/16 14:50	193-39-5	
1-Methylnaphthalene	<b>69.7</b>	ug/kg	57.7	17.3	4	10/24/16 09:35	10/26/16 14:50	90-12-0	
2-Methylnaphthalene	<b>77.4</b>	ug/kg	71.9	21.5	4	10/24/16 09:35	10/26/16 14:50	91-57-6	
Naphthalene	<b>59.8J</b>	ug/kg	121	36.3	4	10/24/16 09:35	10/26/16 14:50	91-20-3	
Phenanthrene	<b>801</b>	ug/kg	167	50.2	4	10/24/16 09:35	10/26/16 14:50	85-01-8	
Pyrene	<b>1130</b>	ug/kg	64.6	19.4	4	10/24/16 09:35	10/26/16 14:50	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	65	%	26-130		4	10/24/16 09:35	10/26/16 14:50	321-60-8	
Terphenyl-d14 (S)	70	%	10-130		4	10/24/16 09:35	10/26/16 14:50	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>31.5J</b>	ug/kg	64.6	26.9	1	10/24/16 07:30	10/24/16 16:03	71-43-2	
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 16:03	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 16:03	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 16:03	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-4 (2-4) Lab ID: 40140636004 Collected: 10/20/16 11:20 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 16:03	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-71-8	R1,W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	1634-04-4	W
Naphthalene	71.7J	ug/kg	269	43.1	1	10/24/16 07:30	10/24/16 16:03	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	127-18-4	W
Toluene	40.4J	ug/kg	64.6	26.9	1	10/24/16 07:30	10/24/16 16:03	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 16:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:03	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-4 (2-4')**      **Lab ID: 40140636004**      Collected: 10/20/16 11:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 16:03	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	53-165		1	10/24/16 07:30	10/24/16 16:03	1868-53-7	
Toluene-d8 (S)	111	%	54-163		1	10/24/16 07:30	10/24/16 16:03	2037-26-5	
4-Bromofluorobenzene (S)	106	%	48-138		1	10/24/16 07:30	10/24/16 16:03	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>7.1</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

**Sample: B-5 (2-4)**      **Lab ID: 40140636005**      Collected: 10/20/16 11:05      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	5.8	mg/kg	5.0	1.0	1	10/25/16 09:38	10/26/16 12:37	7440-38-2	
Lead	132	mg/kg	1.3	0.43	1	10/25/16 09:38	10/26/16 12:37	7439-92-1	
Selenium	1.7J	mg/kg	5.0	1.1	1	10/25/16 09:38	10/26/16 12:37	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	0.13	mg/kg	0.12	0.035	1	10/25/16 08:01	10/25/16 11:51	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	14.5J	ug/kg	27.5	8.3	2	10/24/16 09:35	10/25/16 15:27	83-32-9	
Acenaphthylene	39.0	ug/kg	23.4	7.0	2	10/24/16 09:35	10/25/16 15:27	208-96-8	
Anthracene	129	ug/kg	40.4	12.2	2	10/24/16 09:35	10/25/16 15:27	120-12-7	
Benzo(a)anthracene	236	ug/kg	22.6	6.7	2	10/24/16 09:35	10/25/16 15:27	56-55-3	
Benzo(a)pyrene	236	ug/kg	17.8	5.3	2	10/24/16 09:35	10/25/16 15:27	50-32-8	
Benzo(b)fluoranthene	378	ug/kg	20.0	6.0	2	10/24/16 09:35	10/25/16 15:27	205-99-2	
Benzo(g,h,i)perylene	118	ug/kg	14.4	4.3	2	10/24/16 09:35	10/25/16 15:27	191-24-2	
Benzo(k)fluoranthene	137	ug/kg	17.8	5.3	2	10/24/16 09:35	10/25/16 15:27	207-08-9	
Chrysene	343	ug/kg	23.8	7.2	2	10/24/16 09:35	10/25/16 15:27	218-01-9	
Dibenz(a,h)anthracene	32.9	ug/kg	15.9	4.8	2	10/24/16 09:35	10/25/16 15:27	53-70-3	
Fluoranthene	483	ug/kg	37.0	11.1	2	10/24/16 09:35	10/25/16 15:27	206-44-0	
Fluorene	14.7J	ug/kg	29.4	8.8	2	10/24/16 09:35	10/25/16 15:27	86-73-7	
Indeno(1,2,3-cd)pyrene	97.5	ug/kg	15.6	4.7	2	10/24/16 09:35	10/25/16 15:27	193-39-5	
1-Methylnaphthalene	79.4	ug/kg	28.5	8.6	2	10/24/16 09:35	10/25/16 15:27	90-12-0	
2-Methylnaphthalene	126	ug/kg	35.5	10.6	2	10/24/16 09:35	10/25/16 15:27	91-57-6	
Naphthalene	85.4	ug/kg	59.8	17.9	2	10/24/16 09:35	10/25/16 15:27	91-20-3	
Phenanthrene	360	ug/kg	82.6	24.8	2	10/24/16 09:35	10/25/16 15:27	85-01-8	
Pyrene	475	ug/kg	31.9	9.6	2	10/24/16 09:35	10/25/16 15:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	47	%	26-130		2	10/24/16 09:35	10/25/16 15:27	321-60-8	
Terphenyl-d14 (S)	48	%	10-130		2	10/24/16 09:35	10/25/16 15:27	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 16:27	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 16:27	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 16:27	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-5 (2-4)**      **Lab ID: 40140636005**      Collected: 10/20/16 11:05      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 16:27	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	1634-04-4	W
Naphthalene	134J	ug/kg	266	42.6	1	10/24/16 07:30	10/24/16 16:27	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	127-18-4	W
Toluene	33.0J	ug/kg	63.8	26.6	1	10/24/16 07:30	10/24/16 16:27	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 16:27	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	96-18-4	W
1,2,4-Trimethylbenzene	37.7J	ug/kg	63.8	26.6	1	10/24/16 07:30	10/24/16 16:27	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:27	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-5 (2-4)**      **Lab ID: 40140636005**      Collected: 10/20/16 11:05      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>85.3J</b>	ug/kg	192	79.8	1	10/24/16 07:30	10/24/16 16:27	1330-20-7	
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	53-165		1	10/24/16 07:30	10/24/16 16:27	1868-53-7	
Toluene-d8 (S)	112	%	54-163		1	10/24/16 07:30	10/24/16 16:27	2037-26-5	
4-Bromofluorobenzene (S)	103	%	48-138		1	10/24/16 07:30	10/24/16 16:27	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>6.0</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

**Sample: B-6 (2-4)**      **Lab ID: 40140636006**      Collected: 10/20/16 10:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	5.5	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:39	7440-38-2	
Lead	59.0	mg/kg	1.3	0.44	1	10/25/16 09:38	10/26/16 12:39	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:39	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	0.11J	mg/kg	0.12	0.036	1	10/25/16 08:01	10/25/16 11:53	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	7.4J	ug/kg	14.1	4.2	1	10/24/16 09:35	10/25/16 17:26	83-32-9	
Acenaphthylene	17.5	ug/kg	12.0	3.6	1	10/24/16 09:35	10/25/16 17:26	208-96-8	
Anthracene	48.8	ug/kg	20.7	6.2	1	10/24/16 09:35	10/25/16 17:26	120-12-7	
Benzo(a)anthracene	131	ug/kg	11.6	3.5	1	10/24/16 09:35	10/25/16 17:26	56-55-3	
Benzo(a)pyrene	153	ug/kg	9.1	2.7	1	10/24/16 09:35	10/25/16 17:26	50-32-8	
Benzo(b)fluoranthene	226	ug/kg	10.3	3.1	1	10/24/16 09:35	10/25/16 17:26	205-99-2	
Benzo(g,h,i)perylene	55.2	ug/kg	7.4	2.2	1	10/24/16 09:35	10/25/16 17:26	191-24-2	
Benzo(k)fluoranthene	83.5	ug/kg	9.1	2.7	1	10/24/16 09:35	10/25/16 17:26	207-08-9	
Chrysene	179	ug/kg	12.2	3.7	1	10/24/16 09:35	10/25/16 17:26	218-01-9	
Dibenz(a,h)anthracene	21.9	ug/kg	8.1	2.4	1	10/24/16 09:35	10/25/16 17:26	53-70-3	
Fluoranthene	256	ug/kg	19.0	5.7	1	10/24/16 09:35	10/25/16 17:26	206-44-0	
Fluorene	6.0J	ug/kg	15.1	4.5	1	10/24/16 09:35	10/25/16 17:26	86-73-7	
Indeno(1,2,3-cd)pyrene	59.6	ug/kg	8.0	2.4	1	10/24/16 09:35	10/25/16 17:26	193-39-5	
1-Methylnaphthalene	63.9	ug/kg	14.6	4.4	1	10/24/16 09:35	10/25/16 17:26	90-12-0	
2-Methylnaphthalene	81.5	ug/kg	18.2	5.5	1	10/24/16 09:35	10/25/16 17:26	91-57-6	
Naphthalene	63.4	ug/kg	30.7	9.2	1	10/24/16 09:35	10/25/16 17:26	91-20-3	
Phenanthrene	186	ug/kg	42.3	12.7	1	10/24/16 09:35	10/25/16 17:26	85-01-8	
Pyrene	224	ug/kg	16.4	4.9	1	10/24/16 09:35	10/25/16 17:26	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	70	%	26-130		1	10/24/16 09:35	10/25/16 17:26	321-60-8	
Terphenyl-d14 (S)	72	%	10-130		1	10/24/16 09:35	10/25/16 17:26	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 16:50	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 16:50	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 16:50	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-6 (2-4) Lab ID: 40140636006 Collected: 10/20/16 10:20 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 16:50	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	1634-04-4	W
Naphthalene	68.0J	ug/kg	273	43.7	1	10/24/16 07:30	10/24/16 16:50	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 16:50	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 16:50	75-01-4	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-6 (2-4')**      **Lab ID: 40140636006**      Collected: 10/20/16 10:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 16:50	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	53-165		1	10/24/16 07:30	10/24/16 16:50	1868-53-7	
Toluene-d8 (S)	112	%	54-163		1	10/24/16 07:30	10/24/16 16:50	2037-26-5	
4-Bromofluorobenzene (S)	104	%	48-138		1	10/24/16 07:30	10/24/16 16:50	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.4</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140636

**Sample: B-7 (2-4)**      **Lab ID: 40140636007**      Collected: 10/20/16 10:35      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>6.0</b>	mg/kg	5.3	1.1	1	10/25/16 09:38	10/26/16 12:41	7440-38-2	
Lead	<b>137</b>	mg/kg	1.4	0.46	1	10/25/16 09:38	10/26/16 12:41	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.3	1.2	1	10/25/16 09:38	10/26/16 12:41	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.29</b>	mg/kg	0.13	0.039	1	10/25/16 08:01	10/25/16 12:00	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>14.7</b>	ug/kg	14.0	4.2	1	10/24/16 09:35	10/25/16 17:43	83-32-9	
Acenaphthylene	<b>32.5</b>	ug/kg	11.9	3.6	1	10/24/16 09:35	10/25/16 17:43	208-96-8	
Anthracene	<b>86.4</b>	ug/kg	20.6	6.2	1	10/24/16 09:35	10/25/16 17:43	120-12-7	
Benzo(a)anthracene	<b>219</b>	ug/kg	11.5	3.4	1	10/24/16 09:35	10/25/16 17:43	56-55-3	
Benzo(a)pyrene	<b>217</b>	ug/kg	9.1	2.7	1	10/24/16 09:35	10/25/16 17:43	50-32-8	
Benzo(b)fluoranthene	<b>299</b>	ug/kg	10.2	3.1	1	10/24/16 09:35	10/25/16 17:43	205-99-2	
Benzo(g,h,i)perylene	<b>80.3</b>	ug/kg	7.3	2.2	1	10/24/16 09:35	10/25/16 17:43	191-24-2	
Benzo(k)fluoranthene	<b>129</b>	ug/kg	9.0	2.7	1	10/24/16 09:35	10/25/16 17:43	207-08-9	
Chrysene	<b>267</b>	ug/kg	12.1	3.6	1	10/24/16 09:35	10/25/16 17:43	218-01-9	
Dibenz(a,h)anthracene	<b>30.0</b>	ug/kg	8.1	2.4	1	10/24/16 09:35	10/25/16 17:43	53-70-3	
Fluoranthene	<b>455</b>	ug/kg	18.8	5.6	1	10/24/16 09:35	10/25/16 17:43	206-44-0	
Fluorene	<b>15.8</b>	ug/kg	14.9	4.5	1	10/24/16 09:35	10/25/16 17:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>83.3</b>	ug/kg	7.9	2.4	1	10/24/16 09:35	10/25/16 17:43	193-39-5	
1-Methylnaphthalene	<b>45.0</b>	ug/kg	14.5	4.4	1	10/24/16 09:35	10/25/16 17:43	90-12-0	
2-Methylnaphthalene	<b>63.8</b>	ug/kg	18.1	5.4	1	10/24/16 09:35	10/25/16 17:43	91-57-6	
Naphthalene	<b>62.1</b>	ug/kg	30.4	9.1	1	10/24/16 09:35	10/25/16 17:43	91-20-3	
Phenanthrene	<b>325</b>	ug/kg	42.0	12.6	1	10/24/16 09:35	10/25/16 17:43	85-01-8	
Pyrene	<b>386</b>	ug/kg	16.2	4.9	1	10/24/16 09:35	10/25/16 17:43	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	60	%	26-130		1	10/24/16 09:35	10/25/16 17:43	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	10/24/16 09:35	10/25/16 17:43	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 11:14	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 11:14	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 11:14	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-7 (2-4) Lab ID: 40140636007 Collected: 10/20/16 10:35 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 11:14	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	1634-04-4	W
Naphthalene	52.8J	ug/kg	271	43.3	1	10/24/16 07:30	10/25/16 11:14	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 11:14	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:14	75-01-4	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-7 (2-4')**      **Lab ID: 40140636007**      Collected: 10/20/16 10:35      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 11:14	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	102	%	53-165		1	10/24/16 07:30	10/25/16 11:14	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	10/24/16 07:30	10/25/16 11:14	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	10/24/16 07:30	10/25/16 11:14	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>7.6</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140636

**Sample: B-8 (2-4)**      **Lab ID: 40140636008**      Collected: 10/20/16 11:50      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>4.5J</b>	mg/kg	5.2	1.1	1	10/25/16 09:38	10/26/16 12:44	7440-38-2	
Lead	<b>67.5</b>	mg/kg	1.4	0.45	1	10/25/16 09:38	10/26/16 12:44	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.2	1.2	1	10/25/16 09:38	10/26/16 12:44	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.14</b>	mg/kg	0.12	0.037	1	10/25/16 08:01	10/25/16 12:03	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>4.3J</b>	ug/kg	13.7	4.1	1	10/24/16 09:35	10/24/16 16:55	83-32-9	
Acenaphthylene	<b>6.0J</b>	ug/kg	11.7	3.5	1	10/24/16 09:35	10/24/16 16:55	208-96-8	
Anthracene	<b>21.1</b>	ug/kg	20.2	6.1	1	10/24/16 09:35	10/24/16 16:55	120-12-7	
Benzo(a)anthracene	<b>50.6</b>	ug/kg	11.2	3.4	1	10/24/16 09:35	10/24/16 16:55	56-55-3	
Benzo(a)pyrene	<b>55.5</b>	ug/kg	8.9	2.7	1	10/24/16 09:35	10/24/16 16:55	50-32-8	
Benzo(b)fluoranthene	<b>77.4</b>	ug/kg	10	3.0	1	10/24/16 09:35	10/24/16 16:55	205-99-2	
Benzo(g,h,i)perylene	<b>34.3</b>	ug/kg	7.2	2.2	1	10/24/16 09:35	10/24/16 16:55	191-24-2	
Benzo(k)fluoranthene	<b>32.4</b>	ug/kg	8.9	2.7	1	10/24/16 09:35	10/24/16 16:55	207-08-9	
Chrysene	<b>67.6</b>	ug/kg	11.9	3.6	1	10/24/16 09:35	10/24/16 16:55	218-01-9	
Dibenz(a,h)anthracene	<b>9.2</b>	ug/kg	7.9	2.4	1	10/24/16 09:35	10/24/16 16:55	53-70-3	
Fluoranthene	<b>96.3</b>	ug/kg	18.5	5.5	1	10/24/16 09:35	10/24/16 16:55	206-44-0	
Fluorene	<b>&lt;4.4</b>	ug/kg	14.6	4.4	1	10/24/16 09:35	10/24/16 16:55	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>28.5</b>	ug/kg	7.8	2.3	1	10/24/16 09:35	10/24/16 16:55	193-39-5	
1-Methylnaphthalene	<b>24.1</b>	ug/kg	14.2	4.3	1	10/24/16 09:35	10/24/16 16:55	90-12-0	
2-Methylnaphthalene	<b>32.0</b>	ug/kg	17.7	5.3	1	10/24/16 09:35	10/24/16 16:55	91-57-6	
Naphthalene	<b>20.6J</b>	ug/kg	29.8	8.9	1	10/24/16 09:35	10/24/16 16:55	91-20-3	
Phenanthrene	<b>85.6</b>	ug/kg	41.2	12.4	1	10/24/16 09:35	10/24/16 16:55	85-01-8	
Pyrene	<b>93.5</b>	ug/kg	15.9	4.8	1	10/24/16 09:35	10/24/16 16:55	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	60	%	26-130		1	10/24/16 09:35	10/24/16 16:55	321-60-8	
Terphenyl-d14 (S)	63	%	10-130		1	10/24/16 09:35	10/24/16 16:55	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 11:43	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 11:43	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 11:43	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-8 (2-4)**      **Lab ID: 40140636008**      Collected: 10/20/16 11:50      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 11:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	1634-04-4	W
Naphthalene	50.5J	ug/kg	265	42.5	1	10/24/16 07:30	10/25/16 11:43	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 11:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 11:43	75-01-4	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-8 (2-4)**      **Lab ID: 40140636008**      Collected: 10/20/16 11:50      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 11:43	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	53-165		1	10/24/16 07:30	10/25/16 11:43	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	10/24/16 07:30	10/25/16 11:43	2037-26-5	
4-Bromofluorobenzene (S)	101	%	48-138		1	10/24/16 07:30	10/25/16 11:43	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>5.7</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-9 (2-4)**      **Lab ID: 40140636009**      Collected: 10/20/16 14:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>2.1J</b>	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:46	7440-38-2	
Lead	<b>18.6</b>	mg/kg	1.3	0.45	1	10/25/16 09:38	10/26/16 12:46	7439-92-1	
Selenium	<b>&lt;1.1</b>	mg/kg	5.1	1.1	1	10/25/16 09:38	10/26/16 12:46	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.047J</b>	mg/kg	0.12	0.035	1	10/25/16 08:01	10/25/16 12:05	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>20.2</b>	ug/kg	13.5	4.1	1	10/24/16 09:35	10/25/16 18:01	83-32-9	
Acenaphthylene	<b>3.7J</b>	ug/kg	11.5	3.4	1	10/24/16 09:35	10/25/16 18:01	208-96-8	
Anthracene	<b>64.4</b>	ug/kg	19.9	6.0	1	10/24/16 09:35	10/25/16 18:01	120-12-7	
Benzo(a)anthracene	<b>130</b>	ug/kg	11.1	3.3	1	10/24/16 09:35	10/25/16 18:01	56-55-3	
Benzo(a)pyrene	<b>137</b>	ug/kg	8.7	2.6	1	10/24/16 09:35	10/25/16 18:01	50-32-8	
Benzo(b)fluoranthene	<b>179</b>	ug/kg	9.8	3.0	1	10/24/16 09:35	10/25/16 18:01	205-99-2	
Benzo(g,h,i)perylene	<b>46.7</b>	ug/kg	7.1	2.1	1	10/24/16 09:35	10/25/16 18:01	191-24-2	
Benzo(k)fluoranthene	<b>77.6</b>	ug/kg	8.7	2.6	1	10/24/16 09:35	10/25/16 18:01	207-08-9	
Chrysene	<b>142</b>	ug/kg	11.7	3.5	1	10/24/16 09:35	10/25/16 18:01	218-01-9	
Dibenz(a,h)anthracene	<b>15.1</b>	ug/kg	7.8	2.3	1	10/24/16 09:35	10/25/16 18:01	53-70-3	
Fluoranthene	<b>319</b>	ug/kg	18.2	5.4	1	10/24/16 09:35	10/25/16 18:01	206-44-0	
Fluorene	<b>19.3</b>	ug/kg	14.4	4.3	1	10/24/16 09:35	10/25/16 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>49.2</b>	ug/kg	7.7	2.3	1	10/24/16 09:35	10/25/16 18:01	193-39-5	
1-Methylnaphthalene	<b>6.8J</b>	ug/kg	14.0	4.2	1	10/24/16 09:35	10/25/16 18:01	90-12-0	
2-Methylnaphthalene	<b>8.1J</b>	ug/kg	17.5	5.2	1	10/24/16 09:35	10/25/16 18:01	91-57-6	
Naphthalene	<b>9.1J</b>	ug/kg	29.4	8.8	1	10/24/16 09:35	10/25/16 18:01	91-20-3	
Phenanthrene	<b>215</b>	ug/kg	40.6	12.2	1	10/24/16 09:35	10/25/16 18:01	85-01-8	
Pyrene	<b>253</b>	ug/kg	15.7	4.7	1	10/24/16 09:35	10/25/16 18:01	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	69	%	26-130		1	10/24/16 09:35	10/25/16 18:01	321-60-8	
Terphenyl-d14 (S)	78	%	10-130		1	10/24/16 09:35	10/25/16 18:01	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 12:06	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 12:06	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 12:06	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-9 (2-4)** Lab ID: **40140636009** Collected: 10/20/16 14:20 Received: 10/21/16 09:35 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 12:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	1634-04-4	W
Naphthalene	48.9J	ug/kg	261	41.9	1	10/24/16 07:30	10/25/16 12:06	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 12:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:06	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-9 (2-4)**      **Lab ID: 40140636009**      Collected: 10/20/16 14:20      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 12:06	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	53-165		1	10/24/16 07:30	10/25/16 12:06	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	10/24/16 07:30	10/25/16 12:06	2037-26-5	
4-Bromofluorobenzene (S)	96	%	48-138		1	10/24/16 07:30	10/25/16 12:06	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>4.3</b>	%	0.10	0.10	1		10/26/16 14:35		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-10 (2-4)**      **Lab ID: 40140636010**      Collected: 10/20/16 13:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>4.9J</b>	mg/kg	5.3	1.1	1	10/25/16 09:38	10/26/16 12:49	7440-38-2	
Lead	<b>113</b>	mg/kg	1.4	0.46	1	10/25/16 09:38	10/26/16 12:49	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.3	1.2	1	10/25/16 09:38	10/26/16 12:49	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.19</b>	mg/kg	0.13	0.040	1	10/25/16 08:01	10/25/16 12:07	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>33.8</b>	ug/kg	28.1	8.4	2	10/24/16 09:35	10/25/16 15:44	83-32-9	
Acenaphthylene	<b>18.6J</b>	ug/kg	23.9	7.2	2	10/24/16 09:35	10/25/16 15:44	208-96-8	
Anthracene	<b>124</b>	ug/kg	41.3	12.4	2	10/24/16 09:35	10/25/16 15:44	120-12-7	
Benzo(a)anthracene	<b>393</b>	ug/kg	23.1	6.9	2	10/24/16 09:35	10/25/16 15:44	56-55-3	
Benzo(a)pyrene	<b>438</b>	ug/kg	18.2	5.5	2	10/24/16 09:35	10/25/16 15:44	50-32-8	
Benzo(b)fluoranthene	<b>665</b>	ug/kg	20.5	6.1	2	10/24/16 09:35	10/25/16 15:44	205-99-2	
Benzo(g,h,i)perylene	<b>222</b>	ug/kg	14.7	4.4	2	10/24/16 09:35	10/25/16 15:44	191-24-2	
Benzo(k)fluoranthene	<b>255</b>	ug/kg	18.2	5.5	2	10/24/16 09:35	10/25/16 15:44	207-08-9	
Chrysene	<b>490</b>	ug/kg	24.4	7.3	2	10/24/16 09:35	10/25/16 15:44	218-01-9	
Dibenz(a,h)anthracene	<b>72.9</b>	ug/kg	16.2	4.9	2	10/24/16 09:35	10/25/16 15:44	53-70-3	
Fluoranthene	<b>772</b>	ug/kg	37.8	11.3	2	10/24/16 09:35	10/25/16 15:44	206-44-0	
Fluorene	<b>30.4</b>	ug/kg	30.0	9.0	2	10/24/16 09:35	10/25/16 15:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>212</b>	ug/kg	15.9	4.8	2	10/24/16 09:35	10/25/16 15:44	193-39-5	
1-Methylnaphthalene	<b>124</b>	ug/kg	29.1	8.8	2	10/24/16 09:35	10/25/16 15:44	90-12-0	
2-Methylnaphthalene	<b>199</b>	ug/kg	36.3	10.9	2	10/24/16 09:35	10/25/16 15:44	91-57-6	
Naphthalene	<b>107</b>	ug/kg	61.1	18.3	2	10/24/16 09:35	10/25/16 15:44	91-20-3	
Phenanthrene	<b>530</b>	ug/kg	84.4	25.3	2	10/24/16 09:35	10/25/16 15:44	85-01-8	
Pyrene	<b>638</b>	ug/kg	32.6	9.8	2	10/24/16 09:35	10/25/16 15:44	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	26-130		2	10/24/16 09:35	10/25/16 15:44	321-60-8	
Terphenyl-d14 (S)	58	%	10-130		2	10/24/16 09:35	10/25/16 15:44	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>120</b>	ug/kg	65.3	27.2	1	10/24/16 07:30	10/25/16 12:29	71-43-2	
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 12:29	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 12:29	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 12:29	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-10 (2-4)**      **Lab ID: 40140636010**      Collected: 10/20/16 13:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 12:29	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	1634-04-4	W
Naphthalene	125J	ug/kg	272	43.6	1	10/24/16 07:30	10/25/16 12:29	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	127-18-4	W
Toluene	49.2J	ug/kg	65.3	27.2	1	10/24/16 07:30	10/25/16 12:29	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 12:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	96-18-4	W
1,2,4-Trimethylbenzene	41.8J	ug/kg	65.3	27.2	1	10/24/16 07:30	10/25/16 12:29	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:29	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-10 (2-4')**      **Lab ID: 40140636010**      Collected: 10/20/16 13:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>103J</b>	ug/kg	196	81.6	1	10/24/16 07:30	10/25/16 12:29	1330-20-7	
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	53-165		1	10/24/16 07:30	10/25/16 12:29	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	10/24/16 07:30	10/25/16 12:29	2037-26-5	
4-Bromofluorobenzene (S)	97	%	48-138		1	10/24/16 07:30	10/25/16 12:29	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.1</b>	%	0.10	0.10	1		10/26/16 14:36		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-11 (2-4') Lab ID: 40140636011 Collected: 10/20/16 12:25 Received: 10/21/16 09:35 Matrix: Solid**

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.5	mg/kg	4.8	1.0	1	10/25/16 09:38	10/26/16 12:51	7440-38-2	
Lead	115	mg/kg	1.2	0.42	1	10/25/16 09:38	10/26/16 12:51	7439-92-1	
Selenium	<1.1	mg/kg	4.8	1.1	1	10/25/16 09:38	10/26/16 12:51	7782-49-2	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.27	mg/kg	0.12	0.036	1	10/25/16 08:01	10/25/16 12:10	7439-97-6	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	40.9	ug/kg	28.4	8.5	2	10/24/16 09:35	10/25/16 16:35	83-32-9	
Acenaphthylene	54.5	ug/kg	24.2	7.3	2	10/24/16 09:35	10/25/16 16:35	208-96-8	
Anthracene	155	ug/kg	41.9	12.6	2	10/24/16 09:35	10/25/16 16:35	120-12-7	
Benzo(a)anthracene	347	ug/kg	23.4	7.0	2	10/24/16 09:35	10/25/16 16:35	56-55-3	
Benzo(a)pyrene	351	ug/kg	18.4	5.5	2	10/24/16 09:35	10/25/16 16:35	50-32-8	
Benzo(b)fluoranthene	537	ug/kg	20.7	6.2	2	10/24/16 09:35	10/25/16 16:35	205-99-2	
Benzo(g,h,i)perylene	112	ug/kg	14.9	4.5	2	10/24/16 09:35	10/25/16 16:35	191-24-2	
Benzo(k)fluoranthene	189	ug/kg	18.4	5.5	2	10/24/16 09:35	10/25/16 16:35	207-08-9	
Chrysene	470	ug/kg	24.7	7.4	2	10/24/16 09:35	10/25/16 16:35	218-01-9	
Dibenz(a,h)anthracene	44.5	ug/kg	16.4	4.9	2	10/24/16 09:35	10/25/16 16:35	53-70-3	
Fluoranthene	730	ug/kg	38.3	11.5	2	10/24/16 09:35	10/25/16 16:35	206-44-0	
Fluorene	49.0	ug/kg	30.4	9.1	2	10/24/16 09:35	10/25/16 16:35	86-73-7	
Indeno(1,2,3-cd)pyrene	119	ug/kg	16.1	4.8	2	10/24/16 09:35	10/25/16 16:35	193-39-5	
1-Methylnaphthalene	258	ug/kg	29.5	8.9	2	10/24/16 09:35	10/25/16 16:35	90-12-0	
2-Methylnaphthalene	323	ug/kg	36.8	11.0	2	10/24/16 09:35	10/25/16 16:35	91-57-6	
Naphthalene	242	ug/kg	61.9	18.6	2	10/24/16 09:35	10/25/16 16:35	91-20-3	
Phenanthrene	849	ug/kg	85.5	25.7	2	10/24/16 09:35	10/25/16 16:35	85-01-8	
Pyrene	659	ug/kg	33.0	9.9	2	10/24/16 09:35	10/25/16 16:35	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	26-130		2	10/24/16 09:35	10/25/16 16:35	321-60-8	
Terphenyl-d14 (S)	56	%	10-130		2	10/24/16 09:35	10/25/16 16:35	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	56.8J	ug/kg	66.1	27.5	1	10/24/16 07:30	10/25/16 12:52	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 12:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 12:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 12:52	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-11 (2-4') Lab ID: 40140636011 Collected: 10/20/16 12:25 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 12:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	108-20-3	W
Ethylbenzene	31.4J	ug/kg	66.1	27.5	1	10/24/16 07:30	10/25/16 12:52	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	1634-04-4	W
Naphthalene	175J	ug/kg	275	44.1	1	10/24/16 07:30	10/25/16 12:52	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	127-18-4	W
Toluene	144	ug/kg	66.1	27.5	1	10/24/16 07:30	10/25/16 12:52	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 12:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	96-18-4	W
1,2,4-Trimethylbenzene	59.8J	ug/kg	66.1	27.5	1	10/24/16 07:30	10/25/16 12:52	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 12:52	75-01-4	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-11 (2-4')**      **Lab ID: 40140636011**      Collected: 10/20/16 12:25      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>161J</b>	ug/kg	198	82.6	1	10/24/16 07:30	10/25/16 12:52	1330-20-7	
<b>Surrogates</b>									
Dibromofluoromethane (S)	92	%	53-165		1	10/24/16 07:30	10/25/16 12:52	1868-53-7	
Toluene-d8 (S)	95	%	54-163		1	10/24/16 07:30	10/25/16 12:52	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	10/24/16 07:30	10/25/16 12:52	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>9.2</b>	%	0.10	0.10	1		10/26/16 14:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
 Lab Project No.: 40140636

**Sample: B-12 (2-4') Lab ID: 40140636012** Collected: 10/20/16 10:48 Received: 10/21/16 09:35 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.6J	mg/kg	5.4	1.1	1	10/25/16 09:38	10/26/16 12:54	7440-38-2	
Lead	25.6	mg/kg	1.4	0.46	1	10/25/16 09:38	10/26/16 12:54	7439-92-1	
Selenium	<1.2	mg/kg	5.4	1.2	1	10/25/16 09:38	10/26/16 12:54	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.047J	mg/kg	0.12	0.036	1	10/25/16 08:01	10/25/16 12:12	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	4.7J	ug/kg	14.2	4.3	1	10/24/16 09:35	10/24/16 17:12	83-32-9	
Acenaphthylene	14.3	ug/kg	12.1	3.6	1	10/24/16 09:35	10/24/16 17:12	208-96-8	
Anthracene	32.2	ug/kg	20.9	6.3	1	10/24/16 09:35	10/24/16 17:12	120-12-7	
Benzo(a)anthracene	64.6	ug/kg	11.7	3.5	1	10/24/16 09:35	10/24/16 17:12	56-55-3	
Benzo(a)pyrene	63.5	ug/kg	9.2	2.8	1	10/24/16 09:35	10/24/16 17:12	50-32-8	
Benzo(b)fluoranthene	88.8	ug/kg	10.4	3.1	1	10/24/16 09:35	10/24/16 17:12	205-99-2	
Benzo(g,h,i)perylene	40.4	ug/kg	7.4	2.2	1	10/24/16 09:35	10/24/16 17:12	191-24-2	
Benzo(k)fluoranthene	41.8	ug/kg	9.2	2.8	1	10/24/16 09:35	10/24/16 17:12	207-08-9	
Chrysene	88.0	ug/kg	12.3	3.7	1	10/24/16 09:35	10/24/16 17:12	218-01-9	
Dibenz(a,h)anthracene	11.5	ug/kg	8.2	2.5	1	10/24/16 09:35	10/24/16 17:12	53-70-3	
Fluoranthene	121	ug/kg	19.1	5.7	1	10/24/16 09:35	10/24/16 17:12	206-44-0	
Fluorene	<4.6	ug/kg	15.2	4.6	1	10/24/16 09:35	10/24/16 17:12	86-73-7	
Indeno(1,2,3-cd)pyrene	33.9	ug/kg	8.1	2.4	1	10/24/16 09:35	10/24/16 17:12	193-39-5	
1-Methylnaphthalene	29.9	ug/kg	14.7	4.4	1	10/24/16 09:35	10/24/16 17:12	90-12-0	
2-Methylnaphthalene	36.4	ug/kg	18.4	5.5	1	10/24/16 09:35	10/24/16 17:12	91-57-6	
Naphthalene	25.9J	ug/kg	30.9	9.3	1	10/24/16 09:35	10/24/16 17:12	91-20-3	
Phenanthrene	105	ug/kg	42.7	12.8	1	10/24/16 09:35	10/24/16 17:12	85-01-8	
Pyrene	109	ug/kg	16.5	5.0	1	10/24/16 09:35	10/24/16 17:12	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	63	%	26-130		1	10/24/16 09:35	10/24/16 17:12	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	10/24/16 09:35	10/24/16 17:12	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 13:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 13:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 13:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-12 (2-4)**      **Lab ID: 40140636012**      Collected: 10/20/16 10:48      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 13:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	98-82-8	W
p-Isopropyltoluene	86.2	ug/kg	66.0	27.5	1	10/24/16 07:30	10/25/16 13:16	99-87-6	
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	1634-04-4	W
Naphthalene	53.0J	ug/kg	275	44.1	1	10/24/16 07:30	10/25/16 13:16	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 13:16	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:16	75-01-4	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-12 (2-4')**      **Lab ID: 40140636012**      Collected: 10/20/16 10:48      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 13:16	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	53-165		1	10/24/16 07:30	10/25/16 13:16	1868-53-7	
Toluene-d8 (S)	107	%	54-163		1	10/24/16 07:30	10/25/16 13:16	2037-26-5	
4-Bromofluorobenzene (S)	100	%	48-138		1	10/24/16 07:30	10/25/16 13:16	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>9.1</b>	%	0.10	0.10	1		10/26/16 14:36		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-13 (2-4)**      **Lab ID: 40140636013**      Collected: 10/20/16 10:10      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	5.8	mg/kg	5.6	1.2	1	10/25/16 09:38	10/26/16 13:01	7440-38-2	
Lead	144	mg/kg	1.5	0.49	1	10/25/16 09:38	10/26/16 13:01	7439-92-1	
Selenium	<1.3	mg/kg	5.6	1.3	1	10/25/16 09:38	10/26/16 13:01	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	0.69	mg/kg	0.13	0.038	1	10/25/16 08:01	10/25/16 12:14	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	19.6	ug/kg	14.8	4.4	1	10/24/16 09:35	10/25/16 18:18	83-32-9	
Acenaphthylene	10.1J	ug/kg	12.6	3.8	1	10/24/16 09:35	10/25/16 18:18	208-96-8	
Anthracene	72.6	ug/kg	21.7	6.5	1	10/24/16 09:35	10/25/16 18:18	120-12-7	
Benzo(a)anthracene	138	ug/kg	12.1	3.6	1	10/24/16 09:35	10/25/16 18:18	56-55-3	
Benzo(a)pyrene	139	ug/kg	9.6	2.9	1	10/24/16 09:35	10/25/16 18:18	50-32-8	
Benzo(b)fluoranthene	176	ug/kg	10.8	3.2	1	10/24/16 09:35	10/25/16 18:18	205-99-2	
Benzo(g,h,i)perylene	45.7	ug/kg	7.7	2.3	1	10/24/16 09:35	10/25/16 18:18	191-24-2	
Benzo(k)fluoranthene	83.1	ug/kg	9.6	2.9	1	10/24/16 09:35	10/25/16 18:18	207-08-9	
Chrysene	162	ug/kg	12.8	3.9	1	10/24/16 09:35	10/25/16 18:18	218-01-9	
Dibenz(a,h)anthracene	15.9	ug/kg	8.5	2.6	1	10/24/16 09:35	10/25/16 18:18	53-70-3	
Fluoranthene	363	ug/kg	19.9	6.0	1	10/24/16 09:35	10/25/16 18:18	206-44-0	
Fluorene	26.5	ug/kg	15.8	4.7	1	10/24/16 09:35	10/25/16 18:18	86-73-7	
Indeno(1,2,3-cd)pyrene	46.5	ug/kg	8.4	2.5	1	10/24/16 09:35	10/25/16 18:18	193-39-5	
1-Methylnaphthalene	11.0J	ug/kg	15.3	4.6	1	10/24/16 09:35	10/25/16 18:18	90-12-0	
2-Methylnaphthalene	10.9J	ug/kg	19.1	5.7	1	10/24/16 09:35	10/25/16 18:18	91-57-6	
Naphthalene	14.2J	ug/kg	32.1	9.6	1	10/24/16 09:35	10/25/16 18:18	91-20-3	
Phenanthrene	291	ug/kg	44.4	13.3	1	10/24/16 09:35	10/25/16 18:18	85-01-8	
Pyrene	301	ug/kg	17.2	5.2	1	10/24/16 09:35	10/25/16 18:18	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	63	%	26-130		1	10/24/16 09:35	10/25/16 18:18	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	10/24/16 09:35	10/25/16 18:18	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 13:39	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 13:39	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 13:39	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-13 (2-4) Lab ID: 40140636013 Collected: 10/20/16 10:10 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 13:39	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	1634-04-4	W
Naphthalene	47.6J	ug/kg	286	45.8	1	10/24/16 07:30	10/25/16 13:39	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 13:39	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 13:39	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-13 (2-4')**      **Lab ID: 40140636013**      Collected: 10/20/16 10:10      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 13:39	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	53-165		1	10/24/16 07:30	10/25/16 13:39	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	10/24/16 07:30	10/25/16 13:39	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	10/24/16 07:30	10/25/16 13:39	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>12.6</b>	%	0.10	0.10	1		10/26/16 14:36		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Lab Project No.: 40140636

**Sample: B-14 (2-4')**      **Lab ID: 40140636014**      Collected: 10/20/16 12:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	5.9	mg/kg	4.7	1.0	1	10/25/16 09:38	10/26/16 13:03	7440-38-2	
Lead	57.5	mg/kg	1.2	0.41	1	10/25/16 09:38	10/26/16 13:03	7439-92-1	
Selenium	<1.1	mg/kg	4.7	1.1	1	10/25/16 09:38	10/26/16 13:03	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	0.11J	mg/kg	0.13	0.038	1	10/25/16 08:01	10/25/16 12:16	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	65.7	ug/kg	55.1	16.6	4	10/24/16 09:37	10/25/16 16:52	83-32-9	
Acenaphthylene	15.3J	ug/kg	47.0	14.1	4	10/24/16 09:37	10/25/16 16:52	208-96-8	
Anthracene	241	ug/kg	81.2	24.4	4	10/24/16 09:37	10/25/16 16:52	120-12-7	
Benzo(a)anthracene	582	ug/kg	45.3	13.6	4	10/24/16 09:37	10/25/16 16:52	56-55-3	
Benzo(a)pyrene	650	ug/kg	35.8	10.7	4	10/24/16 09:37	10/25/16 16:52	50-32-8	
Benzo(b)fluoranthene	818	ug/kg	40.2	12.1	4	10/24/16 09:37	10/25/16 16:52	205-99-2	
Benzo(g,h,i)perylene	228	ug/kg	28.9	8.7	4	10/24/16 09:37	10/25/16 16:52	191-24-2	
Benzo(k)fluoranthene	385	ug/kg	35.7	10.7	4	10/24/16 09:37	10/25/16 16:52	207-08-9	
Chrysene	654	ug/kg	47.9	14.4	4	10/24/16 09:37	10/25/16 16:52	218-01-9	
Dibenz(a,h)anthracene	79.7	ug/kg	31.8	9.6	4	10/24/16 09:37	10/25/16 16:52	53-70-3	
Fluoranthene	1380	ug/kg	74.4	22.3	4	10/24/16 09:37	10/25/16 16:52	206-44-0	
Fluorene	71.3	ug/kg	59.0	17.7	4	10/24/16 09:37	10/25/16 16:52	86-73-7	
Indeno(1,2,3-cd)pyrene	244	ug/kg	31.3	9.4	4	10/24/16 09:37	10/25/16 16:52	193-39-5	
1-Methylnaphthalene	32.0J	ug/kg	57.3	17.2	4	10/24/16 09:37	10/25/16 16:52	90-12-0	
2-Methylnaphthalene	42.9J	ug/kg	71.4	21.4	4	10/24/16 09:37	10/25/16 16:52	91-57-6	
Naphthalene	36.1J	ug/kg	120	36.0	4	10/24/16 09:37	10/25/16 16:52	91-20-3	
Phenanthrene	667	ug/kg	166	49.8	4	10/24/16 09:37	10/25/16 16:52	85-01-8	
Pyrene	1100	ug/kg	64.1	19.3	4	10/24/16 09:37	10/25/16 16:52	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	37	%	26-130		4	10/24/16 09:37	10/25/16 16:52	321-60-8	
Terphenyl-d14 (S)	39	%	10-130		4	10/24/16 09:37	10/25/16 16:52	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	65.3	ug/kg	64.1	26.7	1	10/24/16 07:30	10/25/16 14:02	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 14:02	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 14:02	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 14:02	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

**Sample: B-14 (2-4)**      **Lab ID: 40140636014**      Collected: 10/20/16 12:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 14:02	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	108-20-3	W
Ethylbenzene	29.0J	ug/kg	64.1	26.7	1	10/24/16 07:30	10/25/16 14:02	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	1634-04-4	W
Naphthalene	119J	ug/kg	267	42.8	1	10/24/16 07:30	10/25/16 14:02	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	127-18-4	W
Toluene	57.1J	ug/kg	64.1	26.7	1	10/24/16 07:30	10/25/16 14:02	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 14:02	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	96-18-4	W
1,2,4-Trimethylbenzene	45.4J	ug/kg	64.1	26.7	1	10/24/16 07:30	10/25/16 14:02	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:02	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-14 (2-4')**      **Lab ID: 40140636014**      Collected: 10/20/16 12:55      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>127J</b>	ug/kg	192	80.2	1	10/24/16 07:30	10/25/16 14:02	1330-20-7	
<b>Surrogates</b>									
Dibromofluoromethane (S)	102	%	53-165		1	10/24/16 07:30	10/25/16 14:02	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	10/24/16 07:30	10/25/16 14:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%	48-138		1	10/24/16 07:30	10/25/16 14:02	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>6.4</b>	%	0.10	0.10	1		10/26/16 14:36		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140636

**Sample: B-15 (2-4)**      **Lab ID: 40140636015**      Collected: 10/20/16 12:40      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>3.8J</b>	mg/kg	5.2	1.1	1	10/25/16 09:38	10/26/16 13:06	7440-38-2	
Lead	<b>22.7</b>	mg/kg	1.4	0.45	1	10/25/16 09:38	10/26/16 13:06	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.2	1.2	1	10/25/16 09:38	10/26/16 13:06	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.053J</b>	mg/kg	0.12	0.035	1	10/25/16 08:01	10/25/16 12:19	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>5.1J</b>	ug/kg	13.6	4.1	1	10/24/16 09:37	10/25/16 12:28	83-32-9	
Acenaphthylene	<b>14.3</b>	ug/kg	11.6	3.5	1	10/24/16 09:37	10/25/16 12:28	208-96-8	
Anthracene	<b>25.2</b>	ug/kg	20.0	6.0	1	10/24/16 09:37	10/25/16 12:28	120-12-7	
Benzo(a)anthracene	<b>101</b>	ug/kg	11.2	3.3	1	10/24/16 09:37	10/25/16 12:28	56-55-3	
Benzo(a)pyrene	<b>101</b>	ug/kg	8.8	2.6	1	10/24/16 09:37	10/25/16 12:28	50-32-8	
Benzo(b)fluoranthene	<b>135</b>	ug/kg	9.9	3.0	1	10/24/16 09:37	10/25/16 12:28	205-99-2	
Benzo(g,h,i)perylene	<b>64.7</b>	ug/kg	7.1	2.1	1	10/24/16 09:37	10/25/16 12:28	191-24-2	
Benzo(k)fluoranthene	<b>57.7</b>	ug/kg	8.8	2.6	1	10/24/16 09:37	10/25/16 12:28	207-08-9	
Chrysene	<b>119</b>	ug/kg	11.8	3.5	1	10/24/16 09:37	10/25/16 12:28	218-01-9	
Dibenz(a,h)anthracene	<b>19.3</b>	ug/kg	7.8	2.4	1	10/24/16 09:37	10/25/16 12:28	53-70-3	
Fluoranthene	<b>176</b>	ug/kg	18.3	5.5	1	10/24/16 09:37	10/25/16 12:28	206-44-0	
Fluorene	<b>4.4J</b>	ug/kg	14.5	4.4	1	10/24/16 09:37	10/25/16 12:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>55.1</b>	ug/kg	7.7	2.3	1	10/24/16 09:37	10/25/16 12:28	193-39-5	
1-Methylnaphthalene	<b>29.1</b>	ug/kg	14.1	4.2	1	10/24/16 09:37	10/25/16 12:28	90-12-0	
2-Methylnaphthalene	<b>36.4</b>	ug/kg	17.6	5.3	1	10/24/16 09:37	10/25/16 12:28	91-57-6	
Naphthalene	<b>38.0</b>	ug/kg	29.6	8.9	1	10/24/16 09:37	10/25/16 12:28	91-20-3	
Phenanthrene	<b>127</b>	ug/kg	40.8	12.3	1	10/24/16 09:37	10/25/16 12:28	85-01-8	
Pyrene	<b>164</b>	ug/kg	15.8	4.7	1	10/24/16 09:37	10/25/16 12:28	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	26-130		1	10/24/16 09:37	10/25/16 12:28	321-60-8	
Terphenyl-d14 (S)	57	%	10-130		1	10/24/16 09:37	10/25/16 12:28	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 14:25	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 14:25	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 14:25	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

**Sample: B-15 (2-4)**      **Lab ID: 40140636015**      Collected: 10/20/16 12:40      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 14:25	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	1634-04-4	W
Naphthalene	66.2J	ug/kg	263	42.1	1	10/24/16 07:30	10/25/16 14:25	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 14:25	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	79-00-5	W
Trichloroethene	46.7J	ug/kg	63.1	26.3	1	10/24/16 07:30	10/25/16 14:25	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:25	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

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**Sample: B-15 (2-4')**      **Lab ID: 40140636015**      Collected: 10/20/16 12:40      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 14:25	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	106	%	53-165		1	10/24/16 07:30	10/25/16 14:25	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	10/24/16 07:30	10/25/16 14:25	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		1	10/24/16 07:30	10/25/16 14:25	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>5.0</b>	%	0.10	0.10	1		10/26/16 14:37		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
 Lab Project No.: 40140636

**Sample: B-16 (2-4)**      **Lab ID: 40140636016**      Collected: 10/20/16 13:40      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>9.8</b>	mg/kg	5.6	1.2	1	10/25/16 09:38	10/26/16 13:08	7440-38-2	
Lead	<b>142</b>	mg/kg	1.5	0.48	1	10/25/16 09:38	10/26/16 13:08	7439-92-1	
Selenium	<b>1.4J</b>	mg/kg	5.6	1.2	1	10/25/16 09:38	10/26/16 13:08	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.24</b>	mg/kg	0.13	0.038	1	10/25/16 08:01	10/25/16 12:21	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>5.9J</b>	ug/kg	15.0	4.5	1	10/24/16 09:37	10/25/16 12:11	83-32-9	
Acenaphthylene	<b>6.3J</b>	ug/kg	12.8	3.8	1	10/24/16 09:37	10/25/16 12:11	208-96-8	
Anthracene	<b>30.8</b>	ug/kg	22.1	6.7	1	10/24/16 09:37	10/25/16 12:11	120-12-7	
Benzo(a)anthracene	<b>79.3</b>	ug/kg	12.3	3.7	1	10/24/16 09:37	10/25/16 12:11	56-55-3	
Benzo(a)pyrene	<b>74.7</b>	ug/kg	9.7	2.9	1	10/24/16 09:37	10/25/16 12:11	50-32-8	
Benzo(b)fluoranthene	<b>106</b>	ug/kg	11.0	3.3	1	10/24/16 09:37	10/25/16 12:11	205-99-2	
Benzo(g,h,i)perylene	<b>47.8</b>	ug/kg	7.9	2.4	1	10/24/16 09:37	10/25/16 12:11	191-24-2	
Benzo(k)fluoranthene	<b>42.4</b>	ug/kg	9.7	2.9	1	10/24/16 09:37	10/25/16 12:11	207-08-9	
Chrysene	<b>109</b>	ug/kg	13.0	3.9	1	10/24/16 09:37	10/25/16 12:11	218-01-9	
Dibenz(a,h)anthracene	<b>13.8</b>	ug/kg	8.7	2.6	1	10/24/16 09:37	10/25/16 12:11	53-70-3	
Fluoranthene	<b>155</b>	ug/kg	20.3	6.1	1	10/24/16 09:37	10/25/16 12:11	206-44-0	
Fluorene	<b>7.5J</b>	ug/kg	16.1	4.8	1	10/24/16 09:37	10/25/16 12:11	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>39.5</b>	ug/kg	8.5	2.6	1	10/24/16 09:37	10/25/16 12:11	193-39-5	
1-Methylnaphthalene	<b>156</b>	ug/kg	15.6	4.7	1	10/24/16 09:37	10/25/16 12:11	90-12-0	
2-Methylnaphthalene	<b>211</b>	ug/kg	19.5	5.8	1	10/24/16 09:37	10/25/16 12:11	91-57-6	
Naphthalene	<b>181</b>	ug/kg	32.7	9.8	1	10/24/16 09:37	10/25/16 12:11	91-20-3	
Phenanthrene	<b>207</b>	ug/kg	45.2	13.6	1	10/24/16 09:37	10/25/16 12:11	85-01-8	
Pyrene	<b>140</b>	ug/kg	17.5	5.3	1	10/24/16 09:37	10/25/16 12:11	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	63	%	26-130		1	10/24/16 09:37	10/25/16 12:11	321-60-8	
Terphenyl-d14 (S)	70	%	10-130		1	10/24/16 09:37	10/25/16 12:11	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:30	10/25/16 14:48	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:30	10/25/16 14:48	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:30	10/25/16 14:48	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: B-16 (2-4) Lab ID: 40140636016 Collected: 10/20/16 13:40 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/25/16 14:48	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	1634-04-4	W
Naphthalene	65.8J	ug/kg	291	46.6	1	10/24/16 07:30	10/25/16 14:48	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	127-18-4	W
Toluene	43.5J	ug/kg	69.9	29.1	1	10/24/16 07:30	10/25/16 14:48	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/25/16 14:48	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/25/16 14:48	75-01-4	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: B-16 (2-4')**      **Lab ID: 40140636016**      Collected: 10/20/16 13:40      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:30	10/25/16 14:48	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	94	%	53-165		1	10/24/16 07:30	10/25/16 14:48	1868-53-7	
Toluene-d8 (S)	97	%	54-163		1	10/24/16 07:30	10/25/16 14:48	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-138		1	10/24/16 07:30	10/25/16 14:48	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>14.1</b>	%	0.10	0.10	1		10/26/16 14:37		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Sample: **MEOH BLANK** Lab ID: **40140636017** Collected: 10/20/16 00:00 Received: 10/21/16 09:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:30	10/24/16 12:35	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:30	10/24/16 12:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:30	10/24/16 12:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:30	10/24/16 12:35	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:30	10/24/16 12:35	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	100-42-5	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

**Sample: MEOH BLANK**      **Lab ID: 40140636017**      Collected: 10/20/16 00:00      Received: 10/21/16 09:35      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:30	10/24/16 12:35	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:30	10/24/16 12:35	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/24/16 07:30	10/24/16 12:35	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	53-165		1	10/24/16 07:30	10/24/16 12:35	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	10/24/16 07:30	10/24/16 12:35	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-138		1	10/24/16 07:30	10/24/16 12:35	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

QC Batch: 239017 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016

METHOD BLANK: 1416479 Matrix: Solid  
Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.037	0.12	10/25/16 11:33	

LABORATORY CONTROL SAMPLE: 1416480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.79	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416481 1416482

Parameter	Units	40140636001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.10J	.92	.92	0.99	0.94	96	90	85-115	5	20	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

QC Batch:	239074	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016		

METHOD BLANK:	1416630	Matrix:	Solid
Associated Lab Samples:	40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	10/26/16 12:13	
Lead	mg/kg	<0.43	1.3	10/26/16 12:13	
Selenium	mg/kg	<1.1	5.0	10/26/16 12:13	

LABORATORY CONTROL SAMPLE: 1416631						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.0	94	80-120	
Lead	mg/kg	50	47.4	95	80-120	
Selenium	mg/kg	50	47.1	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416632												1416633	
Parameter	Units	40140636001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Arsenic	mg/kg	5.5J	55.2	55.5	58.6	59.1	96	97	75-125	1	20		
Lead	mg/kg	58.7	55.2	55.5	95.1	102	66	77	75-125	6	20	M0	
Selenium	mg/kg	<1.2	55.2	55.5	53.1	52.8	95	95	75-125	0	20		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

QC Batch: 239045 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007,  
 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014,  
 40140636015, 40140636016, 40140636017

METHOD BLANK: 1416560 Matrix: Solid

Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007,  
 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014,  
 40140636015, 40140636016, 40140636017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/24/16 10:16	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/24/16 10:16	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/24/16 10:16	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/24/16 10:16	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/24/16 10:16	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/24/16 10:16	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/24/16 10:16	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/24/16 10:16	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/24/16 10:16	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/24/16 10:16	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/24/16 10:16	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/24/16 10:16	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/24/16 10:16	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/24/16 10:16	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/24/16 10:16	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/24/16 10:16	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/24/16 10:16	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/24/16 10:16	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/24/16 10:16	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/24/16 10:16	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/24/16 10:16	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/24/16 10:16	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/24/16 10:16	
Benzene	ug/kg	<9.2	20.0	10/24/16 10:16	
Bromobenzene	ug/kg	<20.6	50.0	10/24/16 10:16	
Bromochloromethane	ug/kg	<21.4	50.0	10/24/16 10:16	
Bromodichloromethane	ug/kg	<9.8	50.0	10/24/16 10:16	
Bromoform	ug/kg	<19.8	50.0	10/24/16 10:16	
Bromomethane	ug/kg	<69.9	250	10/24/16 10:16	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/24/16 10:16	
Chlorobenzene	ug/kg	<14.8	50.0	10/24/16 10:16	
Chloroethane	ug/kg	<67.0	250	10/24/16 10:16	
Chloroform	ug/kg	<46.4	250	10/24/16 10:16	
Chloromethane	ug/kg	<20.4	50.0	10/24/16 10:16	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/24/16 10:16	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/24/16 10:16	
Dibromochloromethane	ug/kg	<17.9	50.0	10/24/16 10:16	
Dibromomethane	ug/kg	<19.3	50.0	10/24/16 10:16	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

METHOD BLANK: 1416560

Matrix: Solid

Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016, 40140636017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/24/16 10:16	
Diisopropyl ether	ug/kg	<17.7	50.0	10/24/16 10:16	
Ethylbenzene	ug/kg	<12.4	50.0	10/24/16 10:16	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	10/24/16 10:16	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/24/16 10:16	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/24/16 10:16	
Methylene Chloride	ug/kg	<16.2	50.0	10/24/16 10:16	
n-Butylbenzene	ug/kg	<10.5	50.0	10/24/16 10:16	
n-Propylbenzene	ug/kg	<11.6	50.0	10/24/16 10:16	
Naphthalene	ug/kg	<40.0	250	10/24/16 10:16	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/24/16 10:16	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/24/16 10:16	
Styrene	ug/kg	<9.0	50.0	10/24/16 10:16	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/24/16 10:16	
Tetrachloroethene	ug/kg	<12.9	50.0	10/24/16 10:16	
Toluene	ug/kg	<11.2	50.0	10/24/16 10:16	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/24/16 10:16	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/24/16 10:16	
Trichloroethene	ug/kg	<23.6	50.0	10/24/16 10:16	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/24/16 10:16	
Vinyl chloride	ug/kg	<21.1	50.0	10/24/16 10:16	
Xylene (Total)	ug/kg	<48.4	150	10/24/16 10:16	
4-Bromofluorobenzene (S)	%	102	48-138	10/24/16 10:16	
Dibromofluoromethane (S)	%	105	53-165	10/24/16 10:16	
Toluene-d8 (S)	%	111	54-163	10/24/16 10:16	

LABORATORY CONTROL SAMPLE: 1416561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2420	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2850	114	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2700	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2410	96	70-133	
1,1-Dichloroethene	ug/kg	2500	1950	78	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2500	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2320	93	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2700	108	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2630	105	70-130	
1,2-Dichloroethane	ug/kg	2500	2590	104	70-138	
1,2-Dichloropropane	ug/kg	2500	2670	107	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2540	102	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

LABORATORY CONTROL SAMPLE: 1416561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2630	105	70-130	
Bromodichloromethane	ug/kg	2500	2550	102	70-130	
Bromoform	ug/kg	2500	2180	87	68-130	
Bromomethane	ug/kg	2500	2900	116	25-163	
Carbon tetrachloride	ug/kg	2500	2360	94	70-130	
Chlorobenzene	ug/kg	2500	2560	102	70-130	
Chloroethane	ug/kg	2500	2600	104	34-151	
Chloroform	ug/kg	2500	2500	100	70-130	
Chloromethane	ug/kg	2500	1680	67	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	100	70-130	
Dibromochloromethane	ug/kg	2500	2300	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1100	44	27-150	
Ethylbenzene	ug/kg	2500	2580	103	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2580	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2650	106	70-130	
Methylene Chloride	ug/kg	2500	2470	99	70-131	
Styrene	ug/kg	2500	2430	97	70-130	
Tetrachloroethene	ug/kg	2500	2430	97	70-130	
Toluene	ug/kg	2500	2670	107	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2380	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Trichloroethene	ug/kg	2500	2540	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2190	88	50-150	
Vinyl chloride	ug/kg	2500	1980	79	57-130	
Xylene (Total)	ug/kg	7500	7910	105	70-130	
4-Bromofluorobenzene (S)	%			103	48-138	
Dibromofluoromethane (S)	%			109	53-165	
Toluene-d8 (S)	%			107	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416562 1416563

Parameter	Units	40140636004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
1,1,1-Trichloroethane	ug/kg	<25.0	1350	1350	1250	1110	93	83	70-130	12	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1350	1350	1580	1600	118	119	70-130	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1350	1350	1520	1550	113	115	70-130	2	20	
1,1-Dichloroethane	ug/kg	<25.0	1350	1350	1260	1230	93	92	64-133	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1350	1350	1020	881	76	65	56-130	15	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1350	1350	1610	1510	119	112	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1350	1350	1540	1480	114	110	50-150	4	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1350	1350	1450	1460	108	109	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1350	1350	1530	1480	114	110	70-130	3	20	
1,2-Dichloroethane	ug/kg	<25.0	1350	1350	1430	1430	106	106	70-138	0	20	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416562		1416563		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40140636004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/kg	<25.0	1350	1350	1470	1400	109	104	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1350	1350	1470	1380	109	103	70-130	6	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1350	1350	1450	1370	108	102	70-130	6	20		
Benzene	ug/kg	31.5J	1350	1350	1460	1380	106	100	70-130	5	20		
Bromodichloromethane	ug/kg	<25.0	1350	1350	1340	1260	100	94	70-130	6	20		
Bromoform	ug/kg	<25.0	1350	1350	1280	1300	95	96	65-130	2	20		
Bromomethane	ug/kg	<69.9	1350	1350	1450	1470	108	109	11-163	1	21		
Carbon tetrachloride	ug/kg	<25.0	1350	1350	1180	1020	88	76	70-130	14	20		
Chlorobenzene	ug/kg	<25.0	1350	1350	1450	1340	108	100	70-130	8	20		
Chloroethane	ug/kg	<67.0	1350	1350	1200	1170	89	87	17-151	3	20		
Chloroform	ug/kg	<46.4	1350	1350	1340	1310	100	97	70-130	3	20		
Chloromethane	ug/kg	<25.0	1350	1350	774	705	58	52	13-130	9	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1360	1320	101	98	70-130	3	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1310	1280	98	95	70-130	3	20		
Dibromochloromethane	ug/kg	<25.0	1350	1350	1310	1310	97	98	70-130	0	20		
Dichlorodifluoromethane	ug/kg	<25.0	1350	1350	595	462	44	34	10-150	25	21	R1	
Ethylbenzene	ug/kg	<25.0	1350	1350	1440	1280	106	94	70-130	12	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1350	1350	1420	1250	106	93	70-130	13	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1350	1350	1370	1430	102	107	70-130	4	20		
Methylene Chloride	ug/kg	<25.0	1350	1350	1340	1340	99	99	70-131	0	20		
Styrene	ug/kg	<25.0	1350	1350	1390	1300	104	97	70-130	7	20		
Tetrachloroethene	ug/kg	<25.0	1350	1350	1370	1130	102	84	70-130	19	20		
Toluene	ug/kg	40.4J	1350	1350	1530	1400	111	101	70-130	9	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1240	1170	92	87	70-130	6	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1330	1260	99	93	70-130	6	20		
Trichloroethene	ug/kg	<25.0	1350	1350	1380	1220	103	90	70-130	13	20		
Trichlorofluoromethane	ug/kg	<25.0	1350	1350	1160	936	86	70	40-150	21	31		
Vinyl chloride	ug/kg	<25.0	1350	1350	1050	887	78	66	26-130	17	20		
Xylene (Total)	ug/kg	<75.0	4040	4040	4420	4070	108	99	70-130	8	20		
4-Bromofluorobenzene (S)	%						116	110	48-138				
Dibromofluoromethane (S)	%						115	109	53-165				
Toluene-d8 (S)	%						120	112	54-163				

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

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QC Batch: 239014 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007,  
 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013

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METHOD BLANK: 1416444 Matrix: Solid  
 Associated Lab Samples: 40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007,  
 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	10/24/16 12:02	
2-Methylnaphthalene	ug/kg	<5.0	16.7	10/24/16 12:02	
Acenaphthene	ug/kg	<3.9	12.9	10/24/16 12:02	
Acenaphthylene	ug/kg	<3.3	11.0	10/24/16 12:02	
Anthracene	ug/kg	<5.7	19.0	10/24/16 12:02	
Benzo(a)anthracene	ug/kg	<3.2	10.6	10/24/16 12:02	
Benzo(a)pyrene	ug/kg	<2.5	8.4	10/24/16 12:02	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	10/24/16 12:02	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	10/24/16 12:02	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	10/24/16 12:02	
Chrysene	ug/kg	<3.4	11.2	10/24/16 12:02	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	10/24/16 12:02	
Fluoranthene	ug/kg	<5.2	17.4	10/24/16 12:02	
Fluorene	ug/kg	<4.1	13.8	10/24/16 12:02	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	10/24/16 12:02	
Naphthalene	ug/kg	<8.4	28.1	10/24/16 12:02	
Phenanthrene	ug/kg	<11.6	38.8	10/24/16 12:02	
Pyrene	ug/kg	<4.5	15.0	10/24/16 12:02	
2-Fluorobiphenyl (S)	%	69	26-130	10/24/16 12:02	
Terphenyl-d14 (S)	%	88	10-130	10/24/16 12:02	

LABORATORY CONTROL SAMPLE: 1416445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	268	80	48-130	
2-Methylnaphthalene	ug/kg	333	263	79	49-130	
Acenaphthene	ug/kg	333	244	73	54-130	
Acenaphthylene	ug/kg	333	239	72	56-130	
Anthracene	ug/kg	333	294	88	70-130	
Benzo(a)anthracene	ug/kg	333	238	71	58-130	
Benzo(a)pyrene	ug/kg	333	267	80	58-130	
Benzo(b)fluoranthene	ug/kg	333	262	79	50-130	
Benzo(g,h,i)perylene	ug/kg	333	258	77	39-130	
Benzo(k)fluoranthene	ug/kg	333	336	101	57-130	
Chrysene	ug/kg	333	318	95	64-130	
Dibenz(a,h)anthracene	ug/kg	333	267	80	44-130	
Fluoranthene	ug/kg	333	281	84	59-130	
Fluorene	ug/kg	333	240	72	56-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

LABORATORY CONTROL SAMPLE: 1416445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	278	83	45-130	
Naphthalene	ug/kg	333	255	77	46-130	
Phenanthrene	ug/kg	333	275	83	56-130	
Pyrene	ug/kg	333	275	82	59-130	
2-Fluorobiphenyl (S)	%			77	26-130	
Terphenyl-d14 (S)	%			83	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416446 1416447

Parameter	Units	40140508007		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/kg	76.6	385	385	332	307	66	60	41-130	8	24		
2-Methylnaphthalene	ug/kg	164	385	385	374	350	55	49	42-130	6	25		
Acenaphthene	ug/kg	<4.5	385	385	264	236	69	61	49-130	11	27		
Acenaphthylene	ug/kg	<3.8	385	385	263	237	68	61	52-130	11	26		
Anthracene	ug/kg	<6.6	385	385	306	268	80	70	61-130	13	29		
Benzo(a)anthracene	ug/kg	<3.7	385	385	266	235	68	60	45-130	12	28		
Benzo(a)pyrene	ug/kg	<2.9	385	385	296	252	77	65	39-130	16	34		
Benzo(b)fluoranthene	ug/kg	<3.3	385	385	281	246	72	63	30-130	13	43		
Benzo(g,h,i)perylene	ug/kg	4.0J	385	385	273	240	70	61	24-130	13	34		
Benzo(k)fluoranthene	ug/kg	<2.9	385	385	343	306	89	79	41-130	11	32		
Chrysene	ug/kg	9.1J	385	385	326	285	82	72	46-130	13	37		
Dibenz(a,h)anthracene	ug/kg	<2.6	385	385	282	246	73	64	33-130	13	34		
Fluoranthene	ug/kg	<6.0	385	385	298	263	77	68	41-130	13	25		
Fluorene	ug/kg	<4.8	385	385	264	235	68	61	49-130	12	30		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.5	385	385	296	260	77	68	30-130	13	28		
Naphthalene	ug/kg	381	385	385	585	515	53	35	39-130	13	26	M1	
Phenanthrene	ug/kg	<13.5	385	385	299	263	77	68	47-130	13	26		
Pyrene	ug/kg	<5.2	385	385	292	261	75	67	37-130	11	30		
2-Fluorobiphenyl (S)	%						71	63	26-130				
Terphenyl-d14 (S)	%						77	67	10-130				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

QC Batch: 239015 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40140636014, 40140636015, 40140636016

METHOD BLANK: 1416448 Matrix: Solid  
Associated Lab Samples: 40140636014, 40140636015, 40140636016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	10/24/16 14:37	
2-Methylnaphthalene	ug/kg	<5.0	16.7	10/24/16 14:37	
Acenaphthene	ug/kg	<3.9	12.9	10/24/16 14:37	
Acenaphthylene	ug/kg	<3.3	11.0	10/24/16 14:37	
Anthracene	ug/kg	<5.7	19.0	10/24/16 14:37	
Benzo(a)anthracene	ug/kg	<3.2	10.6	10/24/16 14:37	
Benzo(a)pyrene	ug/kg	<2.5	8.4	10/24/16 14:37	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	10/24/16 14:37	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	10/24/16 14:37	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	10/24/16 14:37	
Chrysene	ug/kg	<3.4	11.2	10/24/16 14:37	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	10/24/16 14:37	
Fluoranthene	ug/kg	<5.2	17.4	10/24/16 14:37	
Fluorene	ug/kg	<4.1	13.8	10/24/16 14:37	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	10/24/16 14:37	
Naphthalene	ug/kg	<8.4	28.1	10/24/16 14:37	
Phenanthrene	ug/kg	<11.6	38.8	10/24/16 14:37	
Pyrene	ug/kg	<4.5	15.0	10/24/16 14:37	
2-Fluorobiphenyl (S)	%	70	26-130	10/24/16 14:37	
Terphenyl-d14 (S)	%	80	10-130	10/24/16 14:37	

LABORATORY CONTROL SAMPLE: 1416449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	240	72	48-130	
2-Methylnaphthalene	ug/kg	333	234	70	49-130	
Acenaphthene	ug/kg	333	226	68	54-130	
Acenaphthylene	ug/kg	333	224	67	56-130	
Anthracene	ug/kg	333	295	89	70-130	
Benzo(a)anthracene	ug/kg	333	234	70	58-130	
Benzo(a)pyrene	ug/kg	333	287	86	58-130	
Benzo(b)fluoranthene	ug/kg	333	268	80	50-130	
Benzo(g,h,i)perylene	ug/kg	333	197	59	39-130	
Benzo(k)fluoranthene	ug/kg	333	306	92	57-130	
Chrysene	ug/kg	333	309	93	64-130	
Dibenz(a,h)anthracene	ug/kg	333	222	67	44-130	
Fluoranthene	ug/kg	333	273	82	59-130	
Fluorene	ug/kg	333	232	70	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	228	68	45-130	
Naphthalene	ug/kg	333	226	68	46-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

LABORATORY CONTROL SAMPLE: 1416449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	271	81	56-130	
Pyrene	ug/kg	333	274	82	59-130	
2-Fluorobiphenyl (S)	%			73	26-130	
Terphenyl-d14 (S)	%			86	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416450 1416451

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140582005 Result	Spike Conc.	Spike Conc.	Result								
1-Methylnaphthalene	ug/kg	<4.4	366	366	227	251	62	68	41-130	10	24		
2-Methylnaphthalene	ug/kg	<5.5	366	366	222	245	60	67	42-130	10	25		
Acenaphthene	ug/kg	<4.3	366	366	205	232	56	63	49-130	12	27		
Acenaphthylene	ug/kg	<3.6	366	366	204	230	56	63	52-130	12	26		
Anthracene	ug/kg	<6.3	366	366	249	278	68	76	61-130	11	29		
Benzo(a)anthracene	ug/kg	<3.5	366	366	203	232	55	63	45-130	13	28		
Benzo(a)pyrene	ug/kg	<2.8	366	366	247	274	67	74	39-130	10	34		
Benzo(b)fluoranthene	ug/kg	<3.1	366	366	222	256	60	69	30-130	14	43		
Benzo(g,h,i)perylene	ug/kg	<2.2	366	366	149	168	41	46	24-130	12	34		
Benzo(k)fluoranthene	ug/kg	<2.8	366	366	282	317	77	86	41-130	12	32		
Chrysene	ug/kg	<3.7	366	366	268	291	72	78	46-130	8	37		
Dibenz(a,h)anthracene	ug/kg	<2.5	366	366	155	172	42	47	33-130	10	34		
Fluoranthene	ug/kg	<5.7	366	366	229	263	62	71	41-130	14	25		
Fluorene	ug/kg	<4.6	366	366	203	231	55	63	49-130	13	30		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.4	366	366	165	181	45	49	30-130	9	28		
Naphthalene	ug/kg	<9.3	366	366	213	235	58	64	39-130	10	26		
Phenanthrene	ug/kg	<12.8	366	366	226	262	61	71	47-130	15	26		
Pyrene	ug/kg	<5.0	366	366	235	269	63	72	37-130	13	30		
2-Fluorobiphenyl (S)	%						57	64	26-130				
Terphenyl-d14 (S)	%						63	72	10-130				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

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QC Batch:	239415	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40140636001, 40140636002, 40140636003, 40140636004, 40140636005, 40140636006, 40140636007, 40140636008, 40140636009, 40140636010, 40140636011, 40140636012, 40140636013, 40140636014, 40140636015, 40140636016		

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SAMPLE DUPLICATE: 1418301

Parameter	Units	40140792001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	56.4	54.8	3	10	

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140636

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40140636001	B-1 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636002	B-2 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636003	B-3 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636004	B-4 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636005	B-5 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636006	B-6 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636007	B-7 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636008	B-8 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636009	B-9 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636010	B-10 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636011	B-11 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636012	B-12 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636013	B-13 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636014	B-14 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636015	B-15 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636016	B-16 (2-4')	EPA 3050	239074	EPA 6010	239324
40140636001	B-1 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636002	B-2 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636003	B-3 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636004	B-4 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636005	B-5 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636006	B-6 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636007	B-7 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636008	B-8 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636009	B-9 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636010	B-10 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636011	B-11 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636012	B-12 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636013	B-13 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636014	B-14 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636015	B-15 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636016	B-16 (2-4')	EPA 7471	239017	EPA 7471	239167
40140636001	B-1 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636002	B-2 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636003	B-3 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636004	B-4 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636005	B-5 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636006	B-6 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636007	B-7 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636008	B-8 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636009	B-9 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636010	B-10 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636011	B-11 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636012	B-12 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636013	B-13 (2-4')	EPA 3546	239014	EPA 8270 by SIM	239061
40140636014	B-14 (2-4')	EPA 3546	239015	EPA 8270 by SIM	239097
40140636015	B-15 (2-4')	EPA 3546	239015	EPA 8270 by SIM	239097

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140636

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40140636016	B-16 (2-4')	EPA 3546	239015	EPA 8270 by SIM	239097
40140636001	B-1 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636002	B-2 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636003	B-3 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636004	B-4 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636005	B-5 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636006	B-6 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636007	B-7 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636008	B-8 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636009	B-9 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636010	B-10 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636011	B-11 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636012	B-12 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636013	B-13 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636014	B-14 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636015	B-15 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636016	B-16 (2-4')	EPA 5035/5030B	239045	EPA 8260	239051
40140636017	MEOH BLANK	EPA 5035/5030B	239045	EPA 8260	239051
40140636001	B-1 (2-4')	ASTM D2974-87	239415		
40140636002	B-2 (2-4')	ASTM D2974-87	239415		
40140636003	B-3 (2-4')	ASTM D2974-87	239415		
40140636004	B-4 (2-4')	ASTM D2974-87	239415		
40140636005	B-5 (2-4')	ASTM D2974-87	239415		
40140636006	B-6 (2-4')	ASTM D2974-87	239415		
40140636007	B-7 (2-4')	ASTM D2974-87	239415		
40140636008	B-8 (2-4')	ASTM D2974-87	239415		
40140636009	B-9 (2-4')	ASTM D2974-87	239415		
40140636010	B-10 (2-4')	ASTM D2974-87	239415		
40140636011	B-11 (2-4')	ASTM D2974-87	239415		
40140636012	B-12 (2-4')	ASTM D2974-87	239415		
40140636013	B-13 (2-4')	ASTM D2974-87	239415		
40140636014	B-14 (2-4')	ASTM D2974-87	239415		
40140636015	B-15 (2-4')	ASTM D2974-87	239415		
40140636016	B-16 (2-4')	ASTM D2974-87	239415		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40140636

Page 81 of 82

### Section A

Required Client Information:

Company: Giles Engineering Associates, Inc.  
 Address: N8 W22350 Johnson Drive, Suite A1  
 Waukesha, WI 53186  
 Email To: kbugel@gilesengr.com  
 Phone: 1-262-544-0118 Fax:  
 Requested Due Date/TAT: Standard 7 day turn

### Section B

Required Project Information:

Report To: Kevin Bugel (kbugel@gilesengr.com)  
 Copy To: David Zimmerman (dzimmerman@gilesengr.com)  
 Purchase Order No.:  
 Project Name: The Couture, Milwaukee, WI  
 Project Number: 1E-1610006

### Section C

Invoice Information:

Attention:  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

Page: \_\_\_\_\_ of \_\_\_\_\_

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER \_\_\_\_\_

Site Location: \_\_\_\_\_  
 STATE: \_\_\_\_\_

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
						COMPOSITE START		COMPOSITE END/GRAB		Preservatives											
						DATE	TIME	DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other			Analysis Test	PAHs
1	D13 B-13 (2-4')	S G	10/20/16 10:10		3	X						X			X	X	X	1-40208A	1-40mLVF, 1-40208A		
2	D14 B-14 (2-4')	S G	10/20/16 12:55		3	X					X				X	X	X		↓		
3	D15 B-15(2-4')	S G	10/20/16 12:40		3	X					X				X	X	X		↓		
4	D16 B-16 (2-4')	S G	10/20/16 13:40		3	X					X				X	X	X		↓		
5	① medw blank 017																		1-40mLVF		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	David Zimmerman (Giles)	10/20/16	17:00				
	Fed Ex	10/21/16	09:35	Nari McKay-Joe	10/21/16	09:35	ROI Y Y Y

① added to COC trip blank 10/21/16

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					



Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project #

WO#: 40140636

Client Name: Giles Eng

Courier:  Fed Ex  UPS  Client  Pace Other:

Tracking #: 7775 2272 1201



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used no Type of Ice:  Wet  Blue Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RDI / Corr: Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

Person examining contents:

Date: 10-21-16

Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>typed not signed ref 10/21/16</u>
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>4 day TAT per pm mm-10/21/16</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>ref 10/21/16</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed Lab Std #/ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>1230 meth. Blank</u>	<u>mm/10/21/16</u>

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review:

AMH BROM

Date:

10/21/16

November 04, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory between October 22, 2016 and October 26, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for  
Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40140679001	B-1 (12-14')	Solid	10/20/16 15:25	10/22/16 07:30
40140679002	B-2 (10-12')	Solid	10/21/16 08:50	10/22/16 07:30
40140679003	B-4 (14-16')	Solid	10/21/16 15:10	10/22/16 07:30
40140679006	B-10 (14-16')	Solid	10/21/16 10:25	10/22/16 07:30
40140679008	B-15 (16-18')	Solid	10/21/16 13:50	10/22/16 07:30
40140826002	B-5 (14-16')	Solid	10/25/16 12:30	10/26/16 09:25
40140826004	B-13 (14-16')	Solid	10/25/16 10:40	10/26/16 09:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140679001	B-1 (12-14')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140679002	B-2 (10-12')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140679003	B-4 (14-16')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140679006	B-10 (14-16')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40140679008	B-15 (16-18')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40140826002	B-5 (14-16')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140826004	B-13 (14-16')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140679001</b>	<b>B-1 (12-14')</b>					
EPA 6010	Arsenic	3.1J	mg/kg	5.9	11/03/16 09:32	
EPA 6010	Lead	20.2	mg/kg	1.5	11/03/16 09:32	
EPA 8270 by SIM	Anthracene	15.2J	ug/kg	23.2	10/26/16 16:33	
EPA 8270 by SIM	Benzo(a)anthracene	43.0	ug/kg	13.0	10/26/16 16:33	
EPA 8270 by SIM	Benzo(a)pyrene	44.6	ug/kg	10.2	10/26/16 16:33	
EPA 8270 by SIM	Benzo(b)fluoranthene	58.4	ug/kg	11.5	10/26/16 16:33	
EPA 8270 by SIM	Benzo(g,h,i)perylene	32.0	ug/kg	8.3	10/26/16 16:33	
EPA 8270 by SIM	Benzo(k)fluoranthene	25.2	ug/kg	10.2	10/26/16 16:33	
EPA 8270 by SIM	Chrysene	52.6	ug/kg	13.7	10/26/16 16:33	
EPA 8270 by SIM	Dibenz(a,h)anthracene	8.5J	ug/kg	9.1	10/26/16 16:33	
EPA 8270 by SIM	Fluoranthene	89.3	ug/kg	21.3	10/26/16 16:33	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	25.8	ug/kg	9.0	10/26/16 16:33	
EPA 8270 by SIM	Phenanthrene	46.3J	ug/kg	47.4	10/26/16 16:33	
EPA 8270 by SIM	Pyrene	83.5	ug/kg	18.3	10/26/16 16:33	
ASTM D2974-87	Percent Moisture	18.2	%	0.10	10/28/16 14:52	
<b>40140679002</b>	<b>B-2 (10-12')</b>					
EPA 6010	Arsenic	3.9J	mg/kg	5.7	11/03/16 09:35	
EPA 6010	Lead	17.3	mg/kg	1.5	11/03/16 09:35	
EPA 8270 by SIM	Benzo(g,h,i)perylene	3.4J	ug/kg	8.2	10/26/16 09:58	
EPA 8270 by SIM	Chrysene	7.6J	ug/kg	13.6	10/26/16 09:58	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	10/28/16 14:52	
<b>40140679003</b>	<b>B-4 (14-16')</b>					
EPA 6010	Arsenic	5.4J	mg/kg	5.8	11/03/16 09:37	
EPA 6010	Lead	8.7	mg/kg	1.5	11/03/16 09:37	
EPA 6010	Selenium	1.5J	mg/kg	5.8	11/03/16 09:37	
EPA 8270 by SIM	Chrysene	4.8J	ug/kg	13.7	10/25/16 19:09	
ASTM D2974-87	Percent Moisture	18.0	%	0.10	10/28/16 14:52	
<b>40140679006</b>	<b>B-10 (14-16')</b>					
EPA 6010	Arsenic	2.2J	mg/kg	5.2	11/03/16 09:39	
EPA 6010	Lead	15.8	mg/kg	1.4	11/03/16 09:39	
EPA 7471	Mercury	0.056J	mg/kg	0.15	10/25/16 13:14	
EPA 8270 by SIM	Acenaphthene	6.5J	ug/kg	15.7	10/26/16 10:50	
EPA 8270 by SIM	Acenaphthylene	5.0J	ug/kg	13.4	10/26/16 10:50	
EPA 8270 by SIM	Anthracene	22.6J	ug/kg	23.2	10/26/16 10:50	
EPA 8270 by SIM	Benzo(a)anthracene	45.0	ug/kg	12.9	10/26/16 10:50	
EPA 8270 by SIM	Benzo(a)pyrene	43.5	ug/kg	10.2	10/26/16 10:50	
EPA 8270 by SIM	Benzo(b)fluoranthene	49.8	ug/kg	11.5	10/26/16 10:50	
EPA 8270 by SIM	Benzo(g,h,i)perylene	21.2	ug/kg	8.3	10/26/16 10:50	
EPA 8270 by SIM	Benzo(k)fluoranthene	23.6	ug/kg	10.2	10/26/16 10:50	
EPA 8270 by SIM	Chrysene	50.4	ug/kg	13.7	10/26/16 10:50	
EPA 8270 by SIM	Dibenz(a,h)anthracene	6.0J	ug/kg	9.1	10/26/16 10:50	
EPA 8270 by SIM	Fluoranthene	94.2	ug/kg	21.2	10/26/16 10:50	
EPA 8270 by SIM	Fluorene	5.5J	ug/kg	16.8	10/26/16 10:50	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	19.5	ug/kg	8.9	10/26/16 10:50	
EPA 8270 by SIM	Phenanthrene	44.4J	ug/kg	47.3	10/26/16 10:50	
EPA 8270 by SIM	Pyrene	80.3	ug/kg	18.3	10/26/16 10:50	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140679006</b>	<b>B-10 (14-16')</b>					
ASTM D2974-87	Percent Moisture	18.0	%	0.10	10/25/16 12:39	
<b>40140679008</b>	<b>B-15 (16-18')</b>					
EPA 6010	Arsenic	4.9J	mg/kg	5.7	11/03/16 09:42	
EPA 6010	Lead	11.2	mg/kg	1.5	11/03/16 09:42	
EPA 8270 by SIM	Anthracene	10.4J	ug/kg	23.1	10/26/16 11:07	
EPA 8270 by SIM	Benzo(a)anthracene	79.6	ug/kg	12.9	10/26/16 11:07	
EPA 8270 by SIM	Benzo(a)pyrene	117	ug/kg	10.2	10/26/16 11:07	
EPA 8270 by SIM	Benzo(b)fluoranthene	213	ug/kg	11.4	10/26/16 11:07	
EPA 8270 by SIM	Benzo(g,h,i)perylene	82.5	ug/kg	8.2	10/26/16 11:07	
EPA 8270 by SIM	Benzo(k)fluoranthene	72.2	ug/kg	10.1	10/26/16 11:07	
EPA 8270 by SIM	Chrysene	144	ug/kg	13.6	10/26/16 11:07	
EPA 8270 by SIM	Dibenz(a,h)anthracene	27.6	ug/kg	9.0	10/26/16 11:07	
EPA 8270 by SIM	Fluoranthene	113	ug/kg	21.1	10/26/16 11:07	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	70.6	ug/kg	8.9	10/26/16 11:07	
EPA 8270 by SIM	Phenanthrene	55.8	ug/kg	47.1	10/26/16 11:07	
EPA 8270 by SIM	Pyrene	91.5	ug/kg	18.2	10/26/16 11:07	
ASTM D2974-87	Percent Moisture	17.6	%	0.10	10/25/16 12:39	
<b>40140826002</b>	<b>B-5 (14-16')</b>					
EPA 6010	Arsenic	1.6J	mg/kg	5.1	11/03/16 09:44	
EPA 6010	Lead	2.9	mg/kg	1.3	11/03/16 09:44	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	10/28/16 14:53	
<b>40140826004</b>	<b>B-13 (14-16')</b>					
EPA 6010	Arsenic	2.0J	mg/kg	5.6	11/03/16 09:47	
EPA 6010	Lead	14.8	mg/kg	1.4	11/03/16 09:47	
EPA 7471	Mercury	0.059J	mg/kg	0.15	11/01/16 12:27	
EPA 8270 by SIM	Acenaphthene	13.3J	ug/kg	15.7	10/31/16 13:12	
EPA 8270 by SIM	Anthracene	15.8J	ug/kg	23.2	10/31/16 13:12	
EPA 8270 by SIM	Benzo(a)anthracene	25.2	ug/kg	12.9	10/31/16 13:12	
EPA 8270 by SIM	Benzo(a)pyrene	24.3	ug/kg	10.2	10/31/16 13:12	
EPA 8270 by SIM	Benzo(b)fluoranthene	26.0	ug/kg	11.5	10/31/16 13:12	
EPA 8270 by SIM	Benzo(g,h,i)perylene	14.3	ug/kg	8.3	10/31/16 13:12	
EPA 8270 by SIM	Benzo(k)fluoranthene	15.7	ug/kg	10.2	10/31/16 13:12	
EPA 8270 by SIM	Chrysene	33.7	ug/kg	13.7	10/31/16 13:12	
EPA 8270 by SIM	Fluoranthene	59.1	ug/kg	21.2	10/31/16 13:12	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	11.7	ug/kg	8.9	10/31/16 13:12	
EPA 8270 by SIM	Phenanthrene	36.8J	ug/kg	47.3	10/31/16 13:12	
EPA 8270 by SIM	Pyrene	69.5	ug/kg	18.3	10/31/16 13:12	
ASTM D2974-87	Percent Moisture	18.0	%	0.10	10/28/16 15:23	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-1 (12-14')**      **Lab ID: 40140679001**      Collected: 10/20/16 15:25      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	3.1J	mg/kg	5.9	1.2	1	11/02/16 10:47	11/03/16 09:32	7440-38-2	
Lead	20.2	mg/kg	1.5	0.51	1	11/02/16 10:47	11/03/16 09:32	7439-92-1	
Selenium	<1.3	mg/kg	5.9	1.3	1	11/02/16 10:47	11/03/16 09:32	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<0.045	mg/kg	0.15	0.045	1	10/25/16 08:24	10/25/16 13:03	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.8	4.7	1	10/24/16 09:38	10/26/16 16:33	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.4	4.0	1	10/24/16 09:38	10/26/16 16:33	208-96-8	
Anthracene	15.2J	ug/kg	23.2	7.0	1	10/24/16 09:38	10/26/16 16:33	120-12-7	
Benzo(a)anthracene	43.0	ug/kg	13.0	3.9	1	10/24/16 09:38	10/26/16 16:33	56-55-3	
Benzo(a)pyrene	44.6	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 16:33	50-32-8	
Benzo(b)fluoranthene	58.4	ug/kg	11.5	3.5	1	10/24/16 09:38	10/26/16 16:33	205-99-2	
Benzo(g,h,i)perylene	32.0	ug/kg	8.3	2.5	1	10/24/16 09:38	10/26/16 16:33	191-24-2	
Benzo(k)fluoranthene	25.2	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 16:33	207-08-9	
Chrysene	52.6	ug/kg	13.7	4.1	1	10/24/16 09:38	10/26/16 16:33	218-01-9	
Dibenz(a,h)anthracene	8.5J	ug/kg	9.1	2.7	1	10/24/16 09:38	10/26/16 16:33	53-70-3	
Fluoranthene	89.3	ug/kg	21.3	6.4	1	10/24/16 09:38	10/26/16 16:33	206-44-0	
Fluorene	<5.1	ug/kg	16.9	5.1	1	10/24/16 09:38	10/26/16 16:33	86-73-7	
Indeno(1,2,3-cd)pyrene	25.8	ug/kg	9.0	2.7	1	10/24/16 09:38	10/26/16 16:33	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.4	4.9	1	10/24/16 09:38	10/26/16 16:33	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.4	6.1	1	10/24/16 09:38	10/26/16 16:33	91-57-6	
Naphthalene	<10.3	ug/kg	34.3	10.3	1	10/24/16 09:38	10/26/16 16:33	91-20-3	
Phenanthrene	46.3J	ug/kg	47.4	14.2	1	10/24/16 09:38	10/26/16 16:33	85-01-8	
Pyrene	83.5	ug/kg	18.3	5.5	1	10/24/16 09:38	10/26/16 16:33	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	26-130		1	10/24/16 09:38	10/26/16 16:33	321-60-8	
Terphenyl-d14 (S)	80	%	10-130		1	10/24/16 09:38	10/26/16 16:33	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 15:13	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 15:13	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 15:13	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Sample: B-1 (12-14') Lab ID: 40140679001 Collected: 10/20/16 15:25 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 15:13	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 15:13	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 15:13	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:13	75-01-4	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-1 (12-14')**      **Lab ID: 40140679001**      Collected: 10/20/16 15:25      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 15:13	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	86	%	53-165		1	10/24/16 07:45	10/24/16 15:13	1868-53-7	
Toluene-d8 (S)	89	%	54-163		1	10/24/16 07:45	10/24/16 15:13	2037-26-5	
4-Bromofluorobenzene (S)	73	%	48-138		1	10/24/16 07:45	10/24/16 15:13	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>18.2</b>	%	0.10	0.10	1		10/28/16 14:52		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-2 (10-12')**      **Lab ID: 40140679002**      Collected: 10/21/16 08:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>3.9J</b>	mg/kg	5.7	1.2	1	11/02/16 10:47	11/03/16 09:35	7440-38-2	
Lead	<b>17.3</b>	mg/kg	1.5	0.50	1	11/02/16 10:47	11/03/16 09:35	7439-92-1	
Selenium	<b>&lt;1.3</b>	mg/kg	5.7	1.3	1	11/02/16 10:47	11/03/16 09:35	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.040</b>	mg/kg	0.13	0.040	1	10/25/16 08:24	10/25/16 13:05	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.7</b>	ug/kg	15.7	4.7	1	10/24/16 09:38	10/26/16 09:58	83-32-9	
Acenaphthylene	<b>&lt;4.0</b>	ug/kg	13.4	4.0	1	10/24/16 09:38	10/26/16 09:58	208-96-8	
Anthracene	<b>&lt;7.0</b>	ug/kg	23.1	7.0	1	10/24/16 09:38	10/26/16 09:58	120-12-7	
Benzo(a)anthracene	<b>&lt;3.9</b>	ug/kg	12.9	3.9	1	10/24/16 09:38	10/26/16 09:58	56-55-3	
Benzo(a)pyrene	<b>&lt;3.1</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 09:58	50-32-8	
Benzo(b)fluoranthene	<b>&lt;3.4</b>	ug/kg	11.5	3.4	1	10/24/16 09:38	10/26/16 09:58	205-99-2	
Benzo(g,h,i)perylene	<b>3.4J</b>	ug/kg	8.2	2.5	1	10/24/16 09:38	10/26/16 09:58	191-24-2	
Benzo(k)fluoranthene	<b>&lt;3.1</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 09:58	207-08-9	
Chrysene	<b>7.6J</b>	ug/kg	13.6	4.1	1	10/24/16 09:38	10/26/16 09:58	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.7</b>	ug/kg	9.1	2.7	1	10/24/16 09:38	10/26/16 09:58	53-70-3	
Fluoranthene	<b>&lt;6.3</b>	ug/kg	21.2	6.3	1	10/24/16 09:38	10/26/16 09:58	206-44-0	
Fluorene	<b>&lt;5.0</b>	ug/kg	16.8	5.0	1	10/24/16 09:38	10/26/16 09:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;2.7</b>	ug/kg	8.9	2.7	1	10/24/16 09:38	10/26/16 09:58	193-39-5	
1-Methylnaphthalene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	10/24/16 09:38	10/26/16 09:58	90-12-0	
2-Methylnaphthalene	<b>&lt;6.1</b>	ug/kg	20.3	6.1	1	10/24/16 09:38	10/26/16 09:58	91-57-6	
Naphthalene	<b>&lt;10.2</b>	ug/kg	34.2	10.2	1	10/24/16 09:38	10/26/16 09:58	91-20-3	
Phenanthrene	<b>&lt;14.2</b>	ug/kg	47.2	14.2	1	10/24/16 09:38	10/26/16 09:58	85-01-8	
Pyrene	<b>&lt;5.5</b>	ug/kg	18.3	5.5	1	10/24/16 09:38	10/26/16 09:58	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	62	%	26-130		1	10/24/16 09:38	10/26/16 09:58	321-60-8	
Terphenyl-d14 (S)	70	%	10-130		1	10/24/16 09:38	10/26/16 09:58	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 15:36	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 15:36	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 15:36	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Sample: B-2 (10-12') Lab ID: 40140679002 Collected: 10/21/16 08:50 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 15:36	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 15:36	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 15:36	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:36	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-2 (10-12')**      **Lab ID: 40140679002**      Collected: 10/21/16 08:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 15:36	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	89	%	53-165		1	10/24/16 07:45	10/24/16 15:36	1868-53-7	
Toluene-d8 (S)	93	%	54-163		1	10/24/16 07:45	10/24/16 15:36	2037-26-5	
4-Bromofluorobenzene (S)	76	%	48-138		1	10/24/16 07:45	10/24/16 15:36	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.8</b>	%	0.10	0.10	1		10/28/16 14:52		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-4 (14-16')**      **Lab ID: 40140679003**      Collected: 10/21/16 15:10      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>5.4J</b>	mg/kg	5.8	1.2	1	11/02/16 10:47	11/03/16 09:37	7440-38-2	
Lead	<b>8.7</b>	mg/kg	1.5	0.50	1	11/02/16 10:47	11/03/16 09:37	7439-92-1	
Selenium	<b>1.5J</b>	mg/kg	5.8	1.3	1	11/02/16 10:47	11/03/16 09:37	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.042</b>	mg/kg	0.14	0.042	1	10/25/16 08:24	10/25/16 13:07	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.7</b>	ug/kg	15.7	4.7	1	10/24/16 09:38	10/25/16 19:09	83-32-9	
Acenaphthylene	<b>&lt;4.0</b>	ug/kg	13.4	4.0	1	10/24/16 09:38	10/25/16 19:09	208-96-8	
Anthracene	<b>&lt;7.0</b>	ug/kg	23.2	7.0	1	10/24/16 09:38	10/25/16 19:09	120-12-7	
Benzo(a)anthracene	<b>&lt;3.9</b>	ug/kg	12.9	3.9	1	10/24/16 09:38	10/25/16 19:09	56-55-3	
Benzo(a)pyrene	<b>&lt;3.1</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/25/16 19:09	50-32-8	
Benzo(b)fluoranthene	<b>&lt;3.4</b>	ug/kg	11.5	3.4	1	10/24/16 09:38	10/25/16 19:09	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;2.5</b>	ug/kg	8.3	2.5	1	10/24/16 09:38	10/25/16 19:09	191-24-2	
Benzo(k)fluoranthene	<b>&lt;3.1</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/25/16 19:09	207-08-9	
Chrysene	<b>4.8J</b>	ug/kg	13.7	4.1	1	10/24/16 09:38	10/25/16 19:09	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.7</b>	ug/kg	9.1	2.7	1	10/24/16 09:38	10/25/16 19:09	53-70-3	
Fluoranthene	<b>&lt;6.4</b>	ug/kg	21.2	6.4	1	10/24/16 09:38	10/25/16 19:09	206-44-0	
Fluorene	<b>&lt;5.0</b>	ug/kg	16.8	5.0	1	10/24/16 09:38	10/25/16 19:09	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;2.7</b>	ug/kg	8.9	2.7	1	10/24/16 09:38	10/25/16 19:09	193-39-5	
1-Methylnaphthalene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	10/24/16 09:38	10/25/16 19:09	90-12-0	
2-Methylnaphthalene	<b>&lt;6.1</b>	ug/kg	20.4	6.1	1	10/24/16 09:38	10/25/16 19:09	91-57-6	
Naphthalene	<b>&lt;10.3</b>	ug/kg	34.3	10.3	1	10/24/16 09:38	10/25/16 19:09	91-20-3	
Phenanthrene	<b>&lt;14.2</b>	ug/kg	47.3	14.2	1	10/24/16 09:38	10/25/16 19:09	85-01-8	
Pyrene	<b>&lt;5.5</b>	ug/kg	18.3	5.5	1	10/24/16 09:38	10/25/16 19:09	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	65	%	26-130		1	10/24/16 09:38	10/25/16 19:09	321-60-8	
Terphenyl-d14 (S)	70	%	10-130		1	10/24/16 09:38	10/25/16 19:09	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 15:58	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 15:58	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 15:58	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-4 (14-16')**      **Lab ID: 40140679003**      Collected: 10/21/16 15:10      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 15:58	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 15:58	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 15:58	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 15:58	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-4 (14-16')**      **Lab ID: 40140679003**      Collected: 10/21/16 15:10      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 15:58	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	90	%	53-165		1	10/24/16 07:45	10/24/16 15:58	1868-53-7	
Toluene-d8 (S)	91	%	54-163		1	10/24/16 07:45	10/24/16 15:58	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-138		1	10/24/16 07:45	10/24/16 15:58	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>18.0</b>	%	0.10	0.10	1		10/28/16 14:52		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
 Pace Project No.: 40140679

**Sample: B-10 (14-16')**      **Lab ID: 40140679006**      Collected: 10/21/16 10:25      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>2.2J</b>	mg/kg	5.2	1.1	1	11/02/16 10:47	11/03/16 09:39	7440-38-2	
Lead	<b>15.8</b>	mg/kg	1.4	0.45	1	11/02/16 10:47	11/03/16 09:39	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.2	1.2	1	11/02/16 10:47	11/03/16 09:39	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.056J</b>	mg/kg	0.15	0.044	1	10/25/16 08:24	10/25/16 13:14	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>6.5J</b>	ug/kg	15.7	4.7	1	10/24/16 09:38	10/26/16 10:50	83-32-9	
Acenaphthylene	<b>5.0J</b>	ug/kg	13.4	4.0	1	10/24/16 09:38	10/26/16 10:50	208-96-8	
Anthracene	<b>22.6J</b>	ug/kg	23.2	7.0	1	10/24/16 09:38	10/26/16 10:50	120-12-7	
Benzo(a)anthracene	<b>45.0</b>	ug/kg	12.9	3.9	1	10/24/16 09:38	10/26/16 10:50	56-55-3	
Benzo(a)pyrene	<b>43.5</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 10:50	50-32-8	
Benzo(b)fluoranthene	<b>49.8</b>	ug/kg	11.5	3.4	1	10/24/16 09:38	10/26/16 10:50	205-99-2	
Benzo(g,h,i)perylene	<b>21.2</b>	ug/kg	8.3	2.5	1	10/24/16 09:38	10/26/16 10:50	191-24-2	
Benzo(k)fluoranthene	<b>23.6</b>	ug/kg	10.2	3.1	1	10/24/16 09:38	10/26/16 10:50	207-08-9	
Chrysene	<b>50.4</b>	ug/kg	13.7	4.1	1	10/24/16 09:38	10/26/16 10:50	218-01-9	
Dibenz(a,h)anthracene	<b>6.0J</b>	ug/kg	9.1	2.7	1	10/24/16 09:38	10/26/16 10:50	53-70-3	
Fluoranthene	<b>94.2</b>	ug/kg	21.2	6.4	1	10/24/16 09:38	10/26/16 10:50	206-44-0	
Fluorene	<b>5.5J</b>	ug/kg	16.8	5.0	1	10/24/16 09:38	10/26/16 10:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>19.5</b>	ug/kg	8.9	2.7	1	10/24/16 09:38	10/26/16 10:50	193-39-5	
1-Methylnaphthalene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	10/24/16 09:38	10/26/16 10:50	90-12-0	
2-Methylnaphthalene	<b>&lt;6.1</b>	ug/kg	20.4	6.1	1	10/24/16 09:38	10/26/16 10:50	91-57-6	
Naphthalene	<b>&lt;10.3</b>	ug/kg	34.3	10.3	1	10/24/16 09:38	10/26/16 10:50	91-20-3	
Phenanthrene	<b>44.4J</b>	ug/kg	47.3	14.2	1	10/24/16 09:38	10/26/16 10:50	85-01-8	
Pyrene	<b>80.3</b>	ug/kg	18.3	5.5	1	10/24/16 09:38	10/26/16 10:50	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	68	%	26-130		1	10/24/16 09:38	10/26/16 10:50	321-60-8	
Terphenyl-d14 (S)	72	%	10-130		1	10/24/16 09:38	10/26/16 10:50	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 17:06	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 17:06	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 17:06	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Sample: B-10 (14-16') Lab ID: 40140679006 Collected: 10/21/16 10:25 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 17:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 17:06	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 17:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:06	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-10 (14-16')**      **Lab ID: 40140679006**      Collected: 10/21/16 10:25      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 17:06	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	89	%	53-165		1	10/24/16 07:45	10/24/16 17:06	1868-53-7	
Toluene-d8 (S)	86	%	54-163		1	10/24/16 07:45	10/24/16 17:06	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-138		1	10/24/16 07:45	10/24/16 17:06	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>18.0</b>	%	0.10	0.10	1		10/25/16 12:39		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-15 (16-18')**      **Lab ID: 40140679008**      Collected: 10/21/16 13:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>4.9J</b>	mg/kg	5.7	1.2	1	11/02/16 10:47	11/03/16 09:42	7440-38-2	
Lead	<b>11.2</b>	mg/kg	1.5	0.49	1	11/02/16 10:47	11/03/16 09:42	7439-92-1	
Selenium	<b>&lt;1.3</b>	mg/kg	5.7	1.3	1	11/02/16 10:47	11/03/16 09:42	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.041</b>	mg/kg	0.14	0.041	1	10/25/16 08:24	10/25/16 13:24	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.7</b>	ug/kg	15.7	4.7	1	10/24/16 09:38	10/26/16 11:07	83-32-9	
Acenaphthylene	<b>&lt;4.0</b>	ug/kg	13.3	4.0	1	10/24/16 09:38	10/26/16 11:07	208-96-8	
Anthracene	<b>10.4J</b>	ug/kg	23.1	6.9	1	10/24/16 09:38	10/26/16 11:07	120-12-7	
Benzo(a)anthracene	<b>79.6</b>	ug/kg	12.9	3.8	1	10/24/16 09:38	10/26/16 11:07	56-55-3	
Benzo(a)pyrene	<b>117</b>	ug/kg	10.2	3.0	1	10/24/16 09:38	10/26/16 11:07	50-32-8	
Benzo(b)fluoranthene	<b>213</b>	ug/kg	11.4	3.4	1	10/24/16 09:38	10/26/16 11:07	205-99-2	
Benzo(g,h,i)perylene	<b>82.5</b>	ug/kg	8.2	2.5	1	10/24/16 09:38	10/26/16 11:07	191-24-2	
Benzo(k)fluoranthene	<b>72.2</b>	ug/kg	10.1	3.0	1	10/24/16 09:38	10/26/16 11:07	207-08-9	
Chrysene	<b>144</b>	ug/kg	13.6	4.1	1	10/24/16 09:38	10/26/16 11:07	218-01-9	
Dibenz(a,h)anthracene	<b>27.6</b>	ug/kg	9.0	2.7	1	10/24/16 09:38	10/26/16 11:07	53-70-3	
Fluoranthene	<b>113</b>	ug/kg	21.1	6.3	1	10/24/16 09:38	10/26/16 11:07	206-44-0	
Fluorene	<b>&lt;5.0</b>	ug/kg	16.7	5.0	1	10/24/16 09:38	10/26/16 11:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>70.6</b>	ug/kg	8.9	2.7	1	10/24/16 09:38	10/26/16 11:07	193-39-5	
1-Methylnaphthalene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	10/24/16 09:38	10/26/16 11:07	90-12-0	
2-Methylnaphthalene	<b>&lt;6.1</b>	ug/kg	20.3	6.1	1	10/24/16 09:38	10/26/16 11:07	91-57-6	
Naphthalene	<b>&lt;10.2</b>	ug/kg	34.1	10.2	1	10/24/16 09:38	10/26/16 11:07	91-20-3	
Phenanthrene	<b>55.8</b>	ug/kg	47.1	14.1	1	10/24/16 09:38	10/26/16 11:07	85-01-8	
Pyrene	<b>91.5</b>	ug/kg	18.2	5.5	1	10/24/16 09:38	10/26/16 11:07	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	68	%	26-130		1	10/24/16 09:38	10/26/16 11:07	321-60-8	
Terphenyl-d14 (S)	77	%	10-130		1	10/24/16 09:38	10/26/16 11:07	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 17:51	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 17:51	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 17:51	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Sample: B-15 (16-18') Lab ID: 40140679008 Collected: 10/21/16 13:50 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 17:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 17:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 17:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:51	75-01-4	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-15 (16-18')**      **Lab ID: 40140679008**      Collected: 10/21/16 13:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 17:51	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	82	%	53-165		1	10/24/16 07:45	10/24/16 17:51	1868-53-7	
Toluene-d8 (S)	83	%	54-163		1	10/24/16 07:45	10/24/16 17:51	2037-26-5	
4-Bromofluorobenzene (S)	71	%	48-138		1	10/24/16 07:45	10/24/16 17:51	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.6</b>	%	0.10	0.10	1		10/25/16 12:39		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140679

**Sample: B-5 (14-16')**      **Lab ID: 40140826002**      Collected: 10/25/16 12:30      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	1.6J	mg/kg	5.1	1.1	1	11/02/16 10:47	11/03/16 09:44	7440-38-2	
Lead	2.9	mg/kg	1.3	0.44	1	11/02/16 10:47	11/03/16 09:44	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	11/02/16 10:47	11/03/16 09:44	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<0.040	mg/kg	0.13	0.040	1	11/01/16 07:40	11/01/16 12:20	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<4.2	ug/kg	14.0	4.2	1	10/31/16 09:24	10/31/16 12:55	83-32-9	
Acenaphthylene	<3.6	ug/kg	12.0	3.6	1	10/31/16 09:24	10/31/16 12:55	208-96-8	
Anthracene	<6.2	ug/kg	20.7	6.2	1	10/31/16 09:24	10/31/16 12:55	120-12-7	
Benzo(a)anthracene	<3.4	ug/kg	11.5	3.4	1	10/31/16 09:24	10/31/16 12:55	56-55-3	
Benzo(a)pyrene	<2.7	ug/kg	9.1	2.7	1	10/31/16 09:24	10/31/16 12:55	50-32-8	
Benzo(b)fluoranthene	<3.1	ug/kg	10.2	3.1	1	10/31/16 09:24	10/31/16 12:55	205-99-2	
Benzo(g,h,i)perylene	<2.2	ug/kg	7.4	2.2	1	10/31/16 09:24	10/31/16 12:55	191-24-2	
Benzo(k)fluoranthene	<2.7	ug/kg	9.1	2.7	1	10/31/16 09:24	10/31/16 12:55	207-08-9	
Chrysene	<3.7	ug/kg	12.2	3.7	1	10/31/16 09:24	10/31/16 12:55	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	8.1	2.4	1	10/31/16 09:24	10/31/16 12:55	53-70-3	
Fluoranthene	<5.7	ug/kg	18.9	5.7	1	10/31/16 09:24	10/31/16 12:55	206-44-0	
Fluorene	<4.5	ug/kg	15.0	4.5	1	10/31/16 09:24	10/31/16 12:55	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.4	ug/kg	8.0	2.4	1	10/31/16 09:24	10/31/16 12:55	193-39-5	
1-Methylnaphthalene	<4.4	ug/kg	14.6	4.4	1	10/31/16 09:24	10/31/16 12:55	90-12-0	
2-Methylnaphthalene	<5.4	ug/kg	18.2	5.4	1	10/31/16 09:24	10/31/16 12:55	91-57-6	
Naphthalene	<9.2	ug/kg	30.6	9.2	1	10/31/16 09:24	10/31/16 12:55	91-20-3	
Phenanthrene	<12.7	ug/kg	42.2	12.7	1	10/31/16 09:24	10/31/16 12:55	85-01-8	
Pyrene	<4.9	ug/kg	16.3	4.9	1	10/31/16 09:24	10/31/16 12:55	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	75	%	26-130		1	10/31/16 09:24	10/31/16 12:55	321-60-8	
Terphenyl-d14 (S)	88	%	10-130		1	10/31/16 09:24	10/31/16 12:55	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/28/16 07:30	10/28/16 16:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/28/16 07:30	10/28/16 16:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/28/16 07:30	10/28/16 16:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-5 (14-16')** Lab ID: **40140826002** Collected: 10/25/16 12:30 Received: 10/26/16 09:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/28/16 07:30	10/28/16 16:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/28/16 07:30	10/28/16 16:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/28/16 07:30	10/28/16 16:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 16:41	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-5 (14-16')**      **Lab ID: 40140826002**      Collected: 10/25/16 12:30      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/28/16 07:30	10/28/16 16:41	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	94	%	53-165		1	10/28/16 07:30	10/28/16 16:41	1868-53-7	
Toluene-d8 (S)	94	%	54-163		1	10/28/16 07:30	10/28/16 16:41	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-138		1	10/28/16 07:30	10/28/16 16:41	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.0</b>	%	0.10	0.10	1		10/28/16 14:53		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Sample Project No.: 40140679

**Sample: B-13 (14-16')**      **Lab ID: 40140826004**      Collected: 10/25/16 10:40      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>2.0J</b>	mg/kg	5.6	1.2	1	11/02/16 10:47	11/03/16 09:47	7440-38-2	
Lead	<b>14.8</b>	mg/kg	1.4	0.48	1	11/02/16 10:47	11/03/16 09:47	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.6	1.2	1	11/02/16 10:47	11/03/16 09:47	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.059J</b>	mg/kg	0.15	0.044	1	11/01/16 07:40	11/01/16 12:27	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>13.3J</b>	ug/kg	15.7	4.7	1	10/31/16 09:24	10/31/16 13:12	83-32-9	
Acenaphthylene	<b>&lt;4.0</b>	ug/kg	13.4	4.0	1	10/31/16 09:24	10/31/16 13:12	208-96-8	
Anthracene	<b>15.8J</b>	ug/kg	23.2	7.0	1	10/31/16 09:24	10/31/16 13:12	120-12-7	
Benzo(a)anthracene	<b>25.2</b>	ug/kg	12.9	3.9	1	10/31/16 09:24	10/31/16 13:12	56-55-3	
Benzo(a)pyrene	<b>24.3</b>	ug/kg	10.2	3.1	1	10/31/16 09:24	10/31/16 13:12	50-32-8	
Benzo(b)fluoranthene	<b>26.0</b>	ug/kg	11.5	3.4	1	10/31/16 09:24	10/31/16 13:12	205-99-2	
Benzo(g,h,i)perylene	<b>14.3</b>	ug/kg	8.3	2.5	1	10/31/16 09:24	10/31/16 13:12	191-24-2	
Benzo(k)fluoranthene	<b>15.7</b>	ug/kg	10.2	3.1	1	10/31/16 09:24	10/31/16 13:12	207-08-9	
Chrysene	<b>33.7</b>	ug/kg	13.7	4.1	1	10/31/16 09:24	10/31/16 13:12	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.7</b>	ug/kg	9.1	2.7	1	10/31/16 09:24	10/31/16 13:12	53-70-3	
Fluoranthene	<b>59.1</b>	ug/kg	21.2	6.4	1	10/31/16 09:24	10/31/16 13:12	206-44-0	
Fluorene	<b>&lt;5.0</b>	ug/kg	16.8	5.0	1	10/31/16 09:24	10/31/16 13:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>11.7</b>	ug/kg	8.9	2.7	1	10/31/16 09:24	10/31/16 13:12	193-39-5	
1-Methylnaphthalene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	10/31/16 09:24	10/31/16 13:12	90-12-0	
2-Methylnaphthalene	<b>&lt;6.1</b>	ug/kg	20.4	6.1	1	10/31/16 09:24	10/31/16 13:12	91-57-6	
Naphthalene	<b>&lt;10.3</b>	ug/kg	34.3	10.3	1	10/31/16 09:24	10/31/16 13:12	91-20-3	
Phenanthrene	<b>36.8J</b>	ug/kg	47.3	14.2	1	10/31/16 09:24	10/31/16 13:12	85-01-8	
Pyrene	<b>69.5</b>	ug/kg	18.3	5.5	1	10/31/16 09:24	10/31/16 13:12	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	81	%	26-130		1	10/31/16 09:24	10/31/16 13:12	321-60-8	
Terphenyl-d14 (S)	92	%	10-130		1	10/31/16 09:24	10/31/16 13:12	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/28/16 07:30	10/28/16 17:04	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/28/16 07:30	10/28/16 17:04	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/28/16 07:30	10/28/16 17:04	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-13 (14-16')**      **Lab ID: 40140826004**      Collected: 10/25/16 10:40      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/28/16 07:30	10/28/16 17:04	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/28/16 07:30	10/28/16 17:04	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/28/16 07:30	10/28/16 17:04	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/28/16 07:30	10/28/16 17:04	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

**Sample: B-13 (14-16')**      **Lab ID: 40140826004**      Collected: 10/25/16 10:40      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/28/16 07:30	10/28/16 17:04	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	88	%	53-165		1	10/28/16 07:30	10/28/16 17:04	1868-53-7	
Toluene-d8 (S)	85	%	54-163		1	10/28/16 07:30	10/28/16 17:04	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-138		1	10/28/16 07:30	10/28/16 17:04	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>18.0</b>	%	0.10	0.10	1		10/28/16 15:23		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

QC Batch: 239018 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

METHOD BLANK: 1416483 Matrix: Solid  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.037	0.12	10/25/16 12:37	

LABORATORY CONTROL SAMPLE: 1416484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.83	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416485 1416486

Parameter	Units	40140677002		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Mercury	mg/kg	0.044J	.94	.94	1.1	1.0	112	104	85-115	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

QC Batch: 239806 Analysis Method: EPA 7471  
 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
 Associated Lab Samples: 40140826002, 40140826004

METHOD BLANK: 1420591 Matrix: Solid

Associated Lab Samples: 40140826002, 40140826004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.037	0.12	11/01/16 12:16	

LABORATORY CONTROL SAMPLE: 1420592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.87	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1420593 1420594

Parameter	Units	40140826002		40140826002		1420594		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					% Rec
Mercury	mg/kg	<0.040		.9	.9	0.92	0.91	102	102	85-115	0	20

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

QC Batch: 240038 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008, 40140826002, 40140826004

METHOD BLANK: 1421779 Matrix: Solid  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008, 40140826002, 40140826004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	11/03/16 08:36	
Lead	mg/kg	<0.43	1.3	11/03/16 08:36	
Selenium	mg/kg	<1.1	5.0	11/03/16 08:36	

LABORATORY CONTROL SAMPLE: 1421780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.0	96	80-120	
Lead	mg/kg	50	48.1	96	80-120	
Selenium	mg/kg	50	48.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1421781 1421782

Parameter	Units	40140761003		40140761003		40140761003		40140761003		% Rec Limits	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
Arsenic	mg/kg	2.0J	81.6	81.6	81.9	76.7	78.8	92	94	75-125	3	20
Lead	mg/kg	4.8	81.6	81.6	81.9	81.7	82.1	94	94	75-125	0	20
Selenium	mg/kg	<1.8	81.6	81.6	81.9	77.0	76.8	93	93	75-125	0	20

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

QC Batch: 239057 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

METHOD BLANK: 1416592 Matrix: Solid  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/24/16 09:30	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/24/16 09:30	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/24/16 09:30	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/24/16 09:30	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/24/16 09:30	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/24/16 09:30	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/24/16 09:30	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/24/16 09:30	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/24/16 09:30	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/24/16 09:30	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/24/16 09:30	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/24/16 09:30	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/24/16 09:30	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/24/16 09:30	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/24/16 09:30	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/24/16 09:30	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/24/16 09:30	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/24/16 09:30	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/24/16 09:30	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/24/16 09:30	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/24/16 09:30	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/24/16 09:30	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/24/16 09:30	
Benzene	ug/kg	<9.2	20.0	10/24/16 09:30	
Bromobenzene	ug/kg	<20.6	50.0	10/24/16 09:30	
Bromochloromethane	ug/kg	<21.4	50.0	10/24/16 09:30	
Bromodichloromethane	ug/kg	<9.8	50.0	10/24/16 09:30	
Bromoform	ug/kg	<19.8	50.0	10/24/16 09:30	
Bromomethane	ug/kg	<69.9	250	10/24/16 09:30	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/24/16 09:30	
Chlorobenzene	ug/kg	<14.8	50.0	10/24/16 09:30	
Chloroethane	ug/kg	<67.0	250	10/24/16 09:30	
Chloroform	ug/kg	<46.4	250	10/24/16 09:30	
Chloromethane	ug/kg	<20.4	50.0	10/24/16 09:30	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/24/16 09:30	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/24/16 09:30	
Dibromochloromethane	ug/kg	<17.9	50.0	10/24/16 09:30	
Dibromomethane	ug/kg	<19.3	50.0	10/24/16 09:30	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/24/16 09:30	
Diisopropyl ether	ug/kg	<17.7	50.0	10/24/16 09:30	
Ethylbenzene	ug/kg	<12.4	50.0	10/24/16 09:30	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

METHOD BLANK: 1416592

Matrix: Solid

Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	10/24/16 09:30	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/24/16 09:30	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/24/16 09:30	
Methylene Chloride	ug/kg	<16.2	50.0	10/24/16 09:30	
n-Butylbenzene	ug/kg	<10.5	50.0	10/24/16 09:30	
n-Propylbenzene	ug/kg	<11.6	50.0	10/24/16 09:30	
Naphthalene	ug/kg	<40.0	250	10/24/16 09:30	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/24/16 09:30	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/24/16 09:30	
Styrene	ug/kg	<9.0	50.0	10/24/16 09:30	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/24/16 09:30	
Tetrachloroethene	ug/kg	<12.9	50.0	10/24/16 09:30	
Toluene	ug/kg	<11.2	50.0	10/24/16 09:30	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/24/16 09:30	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/24/16 09:30	
Trichloroethene	ug/kg	<23.6	50.0	10/24/16 09:30	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/24/16 09:30	
Vinyl chloride	ug/kg	<21.1	50.0	10/24/16 09:30	
Xylene (Total)	ug/kg	<48.4	150	10/24/16 09:30	
4-Bromofluorobenzene (S)	%	88	48-138	10/24/16 09:30	
Dibromofluoromethane (S)	%	96	53-165	10/24/16 09:30	
Toluene-d8 (S)	%	99	54-163	10/24/16 09:30	

LABORATORY CONTROL SAMPLE: 1416593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2220	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2490	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2420	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2340	94	70-133	
1,1-Dichloroethene	ug/kg	2500	1900	76	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2230	89	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2020	81	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	93	70-138	
1,2-Dichloropropane	ug/kg	2500	2570	103	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2560	102	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2630	105	70-130	
Bromodichloromethane	ug/kg	2500	2400	96	70-130	
Bromoform	ug/kg	2500	2130	85	68-130	
Bromomethane	ug/kg	2500	1900	76	25-163	
Carbon tetrachloride	ug/kg	2500	2180	87	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

LABORATORY CONTROL SAMPLE: 1416593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2540	102	70-130	
Chloroethane	ug/kg	2500	2150	86	34-151	
Chloroform	ug/kg	2500	2380	95	70-130	
Chloromethane	ug/kg	2500	1780	71	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2360	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Dibromochloromethane	ug/kg	2500	2310	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1080	43	27-150	
Ethylbenzene	ug/kg	2500	2480	99	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2610	104	70-130	
Methylene Chloride	ug/kg	2500	2050	82	70-131	
Styrene	ug/kg	2500	2530	101	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2570	103	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2210	88	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2340	94	70-130	
Trichloroethene	ug/kg	2500	2320	93	70-130	
Trichlorofluoromethane	ug/kg	2500	1950	78	50-150	
Vinyl chloride	ug/kg	2500	1980	79	57-130	
Xylene (Total)	ug/kg	7500	7700	103	70-130	
4-Bromofluorobenzene (S)	%			91	48-138	
Dibromofluoromethane (S)	%			100	53-165	
Toluene-d8 (S)	%			100	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416594 1416595

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140679003 Result	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1520	1520	1200	1230	78	81	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1520	1520	1670	1430	109	94	70-130	15	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1520	1520	1380	1430	91	94	70-130	3	20		
1,1-Dichloroethane	ug/kg	<25.0	1520	1520	1350	1300	89	86	64-133	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1520	1520	1030	1060	68	69	56-130	3	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1520	1520	1540	1440	101	95	70-130	7	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1520	1520	1300	1160	85	76	50-150	12	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1520	1520	1510	1510	99	99	70-130	0	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1520	1520	1650	1500	108	99	70-130	9	20		
1,2-Dichloroethane	ug/kg	<25.0	1520	1520	1410	1360	93	89	70-138	4	20		
1,2-Dichloropropane	ug/kg	<25.0	1520	1520	1510	1460	99	96	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1520	1520	1680	1510	110	99	70-130	11	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1520	1520	1650	1490	108	98	70-130	10	20		
Benzene	ug/kg	<25.0	1520	1520	1530	1540	100	101	70-130	0	20		
Bromodichloromethane	ug/kg	<25.0	1520	1520	1360	1370	89	90	70-130	1	20		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Parameter	Units	40140679003		1416594		1416595		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Bromoform	ug/kg	<25.0	1520	1520	1330	1300	87	85	65-130	3	20		
Bromomethane	ug/kg	<69.9	1520	1520	1140	1160	75	76	11-163	2	21		
Carbon tetrachloride	ug/kg	<25.0	1520	1520	1200	1150	79	75	70-130	4	20		
Chlorobenzene	ug/kg	<25.0	1520	1520	1500	1480	99	97	70-130	2	20		
Chloroethane	ug/kg	<67.0	1520	1520	1100	1120	72	73	17-151	2	20		
Chloroform	ug/kg	<46.4	1520	1520	1420	1400	93	92	70-130	1	20		
Chloromethane	ug/kg	<25.0	1520	1520	871	887	57	58	13-130	2	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1520	1520	1450	1410	95	92	70-130	3	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1520	1520	1400	1380	92	91	70-130	1	20		
Dibromochloromethane	ug/kg	<25.0	1520	1520	1360	1350	89	89	70-130	1	20		
Dichlorodifluoromethane	ug/kg	<25.0	1520	1520	571	558	37	37	10-150	2	21		
Ethylbenzene	ug/kg	<25.0	1520	1520	1370	1380	90	91	70-130	1	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1520	1520	1440	1410	94	93	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1520	1520	1540	1480	101	97	70-130	4	20		
Methylene Chloride	ug/kg	<25.0	1520	1520	1250	1220	82	80	70-131	3	20		
Styrene	ug/kg	<25.0	1520	1520	1480	1440	97	95	70-130	3	20		
Tetrachloroethene	ug/kg	<25.0	1520	1520	1270	1310	84	86	70-130	2	20		
Toluene	ug/kg	<25.0	1520	1520	1470	1480	96	96	70-130	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1520	1520	1230	1230	80	81	70-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1520	1520	1380	1360	91	89	70-130	2	20		
Trichloroethene	ug/kg	<25.0	1520	1520	1300	1310	85	86	70-130	1	20		
Trichlorofluoromethane	ug/kg	<25.0	1520	1520	1080	1030	71	68	40-150	5	31		
Vinyl chloride	ug/kg	<25.0	1520	1520	1060	1050	69	69	26-130	1	20		
Xylene (Total)	ug/kg	<75.0	4570	4570	4420	4440	96	97	70-130	0	20		
4-Bromofluorobenzene (S)	%						85	81	48-138				
Dibromofluoromethane (S)	%						95	94	53-165				
Toluene-d8 (S)	%						93	91	54-163				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

QC Batch: 239636

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Associated Lab Samples: 40140826002, 40140826004

METHOD BLANK: 1419589

Matrix: Solid

Associated Lab Samples: 40140826002, 40140826004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/28/16 08:30	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/28/16 08:30	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/28/16 08:30	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/28/16 08:30	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/28/16 08:30	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/28/16 08:30	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/28/16 08:30	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/28/16 08:30	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/28/16 08:30	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/28/16 08:30	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/28/16 08:30	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/28/16 08:30	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/28/16 08:30	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/28/16 08:30	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/28/16 08:30	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/28/16 08:30	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/28/16 08:30	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/28/16 08:30	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/28/16 08:30	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/28/16 08:30	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/28/16 08:30	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/28/16 08:30	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/28/16 08:30	
Benzene	ug/kg	<9.2	20.0	10/28/16 08:30	
Bromobenzene	ug/kg	<20.6	50.0	10/28/16 08:30	
Bromochloromethane	ug/kg	<21.4	50.0	10/28/16 08:30	
Bromodichloromethane	ug/kg	<9.8	50.0	10/28/16 08:30	
Bromoform	ug/kg	<19.8	50.0	10/28/16 08:30	
Bromomethane	ug/kg	<69.9	250	10/28/16 08:30	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/28/16 08:30	
Chlorobenzene	ug/kg	<14.8	50.0	10/28/16 08:30	
Chloroethane	ug/kg	<67.0	250	10/28/16 08:30	
Chloroform	ug/kg	<46.4	250	10/28/16 08:30	
Chloromethane	ug/kg	<20.4	50.0	10/28/16 08:30	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/28/16 08:30	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/28/16 08:30	
Dibromochloromethane	ug/kg	<17.9	50.0	10/28/16 08:30	
Dibromomethane	ug/kg	<19.3	50.0	10/28/16 08:30	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/28/16 08:30	
Diisopropyl ether	ug/kg	<17.7	50.0	10/28/16 08:30	
Ethylbenzene	ug/kg	<12.4	50.0	10/28/16 08:30	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

METHOD BLANK: 1419589

Matrix: Solid

Associated Lab Samples: 40140826002, 40140826004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	26.8J	50.0	10/28/16 08:30	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/28/16 08:30	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/28/16 08:30	
Methylene Chloride	ug/kg	<16.2	50.0	10/28/16 08:30	
n-Butylbenzene	ug/kg	<10.5	50.0	10/28/16 08:30	
n-Propylbenzene	ug/kg	<11.6	50.0	10/28/16 08:30	
Naphthalene	ug/kg	<40.0	250	10/28/16 08:30	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/28/16 08:30	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/28/16 08:30	
Styrene	ug/kg	<9.0	50.0	10/28/16 08:30	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/28/16 08:30	
Tetrachloroethene	ug/kg	<12.9	50.0	10/28/16 08:30	
Toluene	ug/kg	<11.2	50.0	10/28/16 08:30	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/28/16 08:30	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/28/16 08:30	
Trichloroethene	ug/kg	<23.6	50.0	10/28/16 08:30	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/28/16 08:30	
Vinyl chloride	ug/kg	<21.1	50.0	10/28/16 08:30	
Xylene (Total)	ug/kg	<48.4	150	10/28/16 08:30	
4-Bromofluorobenzene (S)	%	88	48-138	10/28/16 08:30	
Dibromofluoromethane (S)	%	95	53-165	10/28/16 08:30	
Toluene-d8 (S)	%	101	54-163	10/28/16 08:30	

LABORATORY CONTROL SAMPLE: 1419590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2160	86	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2760	110	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2370	95	70-130	
1,1-Dichloroethane	ug/kg	2500	2130	85	70-133	
1,1-Dichloroethene	ug/kg	2500	1820	73	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2320	93	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2280	91	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2480	99	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2180	87	70-138	
1,2-Dichloropropane	ug/kg	2500	2360	94	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2700	108	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2620	105	70-130	
Benzene	ug/kg	2500	2440	98	70-130	
Bromodichloromethane	ug/kg	2500	2240	90	70-130	
Bromoform	ug/kg	2500	2090	83	68-130	
Bromomethane	ug/kg	2500	2030	81	25-163	
Carbon tetrachloride	ug/kg	2500	2180	87	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

LABORATORY CONTROL SAMPLE: 1419590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2440	97	70-130	
Chloroethane	ug/kg	2500	2260	90	34-151	
Chloroform	ug/kg	2500	2230	89	70-130	
Chloromethane	ug/kg	2500	1840	74	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2250	90	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2270	91	70-130	
Dibromochloromethane	ug/kg	2500	2380	95	70-130	
Dichlorodifluoromethane	ug/kg	2500	1500	60	27-150	
Ethylbenzene	ug/kg	2500	2400	96	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	97	70-130	
Methylene Chloride	ug/kg	2500	1820	73	70-131	
Styrene	ug/kg	2500	2430	97	70-130	
Tetrachloroethene	ug/kg	2500	2360	94	70-130	
Toluene	ug/kg	2500	2500	100	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2140	86	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2310	93	70-130	
Trichloroethene	ug/kg	2500	2250	90	70-130	
Trichlorofluoromethane	ug/kg	2500	2150	86	50-150	
Vinyl chloride	ug/kg	2500	2110	84	57-130	
Xylene (Total)	ug/kg	7500	7470	100	70-130	
4-Bromofluorobenzene (S)	%			90	48-138	
Dibromofluoromethane (S)	%			96	53-165	
Toluene-d8 (S)	%			97	54-163	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

QC Batch: 239016 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

METHOD BLANK: 1416452 Matrix: Solid  
Associated Lab Samples: 40140679001, 40140679002, 40140679003, 40140679006, 40140679008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	10/25/16 14:11	
2-Methylnaphthalene	ug/kg	<5.0	16.7	10/25/16 14:11	
Acenaphthene	ug/kg	<3.9	12.9	10/25/16 14:11	
Acenaphthylene	ug/kg	<3.3	11.0	10/25/16 14:11	
Anthracene	ug/kg	<5.7	19.0	10/25/16 14:11	
Benzo(a)anthracene	ug/kg	<3.2	10.6	10/25/16 14:11	
Benzo(a)pyrene	ug/kg	<2.5	8.4	10/25/16 14:11	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	10/25/16 14:11	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	10/25/16 14:11	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	10/25/16 14:11	
Chrysene	ug/kg	<3.4	11.2	10/25/16 14:11	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	10/25/16 14:11	
Fluoranthene	ug/kg	<5.2	17.4	10/25/16 14:11	
Fluorene	ug/kg	<4.1	13.8	10/25/16 14:11	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	10/25/16 14:11	
Naphthalene	ug/kg	<8.4	28.1	10/25/16 14:11	
Phenanthrene	ug/kg	<11.6	38.8	10/25/16 14:11	
Pyrene	ug/kg	<4.5	15.0	10/25/16 14:11	
2-Fluorobiphenyl (S)	%	73	26-130	10/25/16 14:11	
Terphenyl-d14 (S)	%	92	10-130	10/25/16 14:11	

LABORATORY CONTROL SAMPLE: 1416453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	254	76	48-130	
2-Methylnaphthalene	ug/kg	333	243	73	49-130	
Acenaphthene	ug/kg	333	250	75	54-130	
Acenaphthylene	ug/kg	333	246	74	56-130	
Anthracene	ug/kg	333	320	96	70-130	
Benzo(a)anthracene	ug/kg	333	264	79	58-130	
Benzo(a)pyrene	ug/kg	333	331	99	58-130	
Benzo(b)fluoranthene	ug/kg	333	308	92	50-130	
Benzo(g,h,i)perylene	ug/kg	333	217	65	39-130	
Benzo(k)fluoranthene	ug/kg	333	361	108	57-130	
Chrysene	ug/kg	333	354	106	64-130	
Dibenz(a,h)anthracene	ug/kg	333	265	79	44-130	
Fluoranthene	ug/kg	333	312	94	59-130	
Fluorene	ug/kg	333	257	77	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	267	80	45-130	
Naphthalene	ug/kg	333	232	70	46-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

LABORATORY CONTROL SAMPLE: 1416453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	300	90	56-130	
Pyrene	ug/kg	333	307	92	59-130	
2-Fluorobiphenyl (S)	%			75	26-130	
Terphenyl-d14 (S)	%			92	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416454 1416455

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140679003 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	<4.9	406	406	406	319	291	79	72	41-130	9	24	
2-Methylnaphthalene	ug/kg	<6.1	406	406	406	310	280	76	69	42-130	10	25	
Acenaphthene	ug/kg	<4.7	406	406	406	292	261	72	64	49-130	11	27	
Acenaphthylene	ug/kg	<4.0	406	406	406	294	261	72	64	52-130	12	26	
Anthracene	ug/kg	<7.0	406	406	406	343	301	84	74	61-130	13	29	
Benzo(a)anthracene	ug/kg	<3.9	406	406	406	295	269	72	65	45-130	9	28	
Benzo(a)pyrene	ug/kg	<3.1	406	406	406	337	305	83	75	39-130	10	34	
Benzo(b)fluoranthene	ug/kg	<3.4	406	406	406	344	322	84	79	30-130	6	43	
Benzo(g,h,i)perylene	ug/kg	<2.5	406	406	406	156	125	38	31	24-130	22	34	
Benzo(k)fluoranthene	ug/kg	<3.1	406	406	406	404	358	99	88	41-130	12	32	
Chrysene	ug/kg	4.8J	406	406	406	360	315	87	76	46-130	13	37	
Dibenz(a,h)anthracene	ug/kg	<2.7	406	406	406	207	174	51	43	33-130	17	34	
Fluoranthene	ug/kg	<6.4	406	406	406	328	294	80	72	41-130	11	25	
Fluorene	ug/kg	<5.0	406	406	406	293	263	72	65	49-130	11	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.7	406	406	406	199	165	49	41	30-130	19	28	
Naphthalene	ug/kg	<10.3	406	406	406	301	274	74	67	39-130	9	26	
Phenanthrene	ug/kg	<14.2	406	406	406	329	293	80	71	47-130	12	26	
Pyrene	ug/kg	<5.5	406	406	406	333	301	81	74	37-130	10	30	
2-Fluorobiphenyl (S)	%							72	63	26-130			
Terphenyl-d14 (S)	%							80	72	10-130			

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

QC Batch: 239760 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40140826002, 40140826004

METHOD BLANK: 1420450 Matrix: Solid

Associated Lab Samples: 40140826002, 40140826004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	10/31/16 10:55	
2-Methylnaphthalene	ug/kg	<5.0	16.7	10/31/16 10:55	
Acenaphthene	ug/kg	<3.9	12.9	10/31/16 10:55	
Acenaphthylene	ug/kg	<3.3	11.0	10/31/16 10:55	
Anthracene	ug/kg	<5.7	19.0	10/31/16 10:55	
Benzo(a)anthracene	ug/kg	<3.2	10.6	10/31/16 10:55	
Benzo(a)pyrene	ug/kg	<2.5	8.4	10/31/16 10:55	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	10/31/16 10:55	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	10/31/16 10:55	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	10/31/16 10:55	
Chrysene	ug/kg	<3.4	11.2	10/31/16 10:55	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	10/31/16 10:55	
Fluoranthene	ug/kg	<5.2	17.4	10/31/16 10:55	
Fluorene	ug/kg	<4.1	13.8	10/31/16 10:55	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	10/31/16 10:55	
Naphthalene	ug/kg	<8.4	28.1	10/31/16 10:55	
Phenanthrene	ug/kg	<11.6	38.8	10/31/16 10:55	
Pyrene	ug/kg	<4.5	15.0	10/31/16 10:55	
2-Fluorobiphenyl (S)	%	75	26-130	10/31/16 10:55	
Terphenyl-d14 (S)	%	97	10-130	10/31/16 10:55	

LABORATORY CONTROL SAMPLE: 1420451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	299	90	48-130	
2-Methylnaphthalene	ug/kg	333	281	84	49-130	
Acenaphthene	ug/kg	333	276	83	54-130	
Acenaphthylene	ug/kg	333	273	82	56-130	
Anthracene	ug/kg	333	343	103	70-130	
Benzo(a)anthracene	ug/kg	333	277	83	58-130	
Benzo(a)pyrene	ug/kg	333	350	105	58-130	
Benzo(b)fluoranthene	ug/kg	333	317	95	50-130	
Benzo(g,h,i)perylene	ug/kg	333	308	92	39-130	
Benzo(k)fluoranthene	ug/kg	333	377	113	57-130	
Chrysene	ug/kg	333	359	108	64-130	
Dibenz(a,h)anthracene	ug/kg	333	314	94	44-130	
Fluoranthene	ug/kg	333	314	94	59-130	
Fluorene	ug/kg	333	276	83	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	332	99	45-130	
Naphthalene	ug/kg	333	281	84	46-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

LABORATORY CONTROL SAMPLE: 1420451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	307	92	56-130	
Pyrene	ug/kg	333	353	106	59-130	
2-Fluorobiphenyl (S)	%			84	26-130	
Terphenyl-d14 (S)	%			95	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1420452 1420453

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140523003 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	<5.2	428	428	428	349	381	81	88	41-130	9	24	
2-Methylnaphthalene	ug/kg	<6.4	428	428	428	328	361	76	84	42-130	10	25	
Acenaphthene	ug/kg	<5.0	428	428	428	306	341	71	80	49-130	11	27	
Acenaphthylene	ug/kg	<4.2	428	428	428	306	340	71	79	52-130	10	26	
Anthracene	ug/kg	<7.3	428	428	428	353	411	82	96	61-130	15	29	
Benzo(a)anthracene	ug/kg	<4.1	428	428	428	292	330	68	77	45-130	12	28	
Benzo(a)pyrene	ug/kg	<3.2	428	428	428	369	421	86	98	39-130	13	34	
Benzo(b)fluoranthene	ug/kg	<3.6	428	428	428	307	358	72	84	30-130	15	43	
Benzo(g,h,i)perylene	ug/kg	<2.6	428	428	428	307	351	72	82	24-130	13	34	
Benzo(k)fluoranthene	ug/kg	<3.2	428	428	428	425	480	99	112	41-130	12	32	
Chrysene	ug/kg	<4.3	428	428	428	381	454	89	106	46-130	17	37	
Dibenz(a,h)anthracene	ug/kg	<2.9	428	428	428	333	377	78	88	33-130	12	34	
Fluoranthene	ug/kg	<6.7	428	428	428	327	374	76	87	41-130	13	25	
Fluorene	ug/kg	<5.3	428	428	428	299	336	70	78	49-130	12	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.8	428	428	428	343	396	80	92	30-130	14	28	
Naphthalene	ug/kg	<10.8	428	428	428	339	363	79	84	39-130	7	26	
Phenanthrene	ug/kg	<15.0	428	428	428	322	368	74	85	47-130	14	26	
Pyrene	ug/kg	<5.8	428	428	428	363	385	85	90	37-130	6	30	
2-Fluorobiphenyl (S)	%							69	71	26-130			
Terphenyl-d14 (S)	%							75	80	10-130			

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

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QC Batch:	239225	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40140679006, 40140679008		

---

SAMPLE DUPLICATE: 1417320

Parameter	Units	40140250001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.0	18.4	8	10	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

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QC Batch:	239687	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40140826004		

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SAMPLE DUPLICATE: 1419967

Parameter	Units	40140723017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.6	16.4	7	10	

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140679

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140679

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40140679001	B-1 (12-14')	EPA 3050	240038	EPA 6010	240159
40140679002	B-2 (10-12')	EPA 3050	240038	EPA 6010	240159
40140679003	B-4 (14-16')	EPA 3050	240038	EPA 6010	240159
40140679006	B-10 (14-16')	EPA 3050	240038	EPA 6010	240159
40140679008	B-15 (16-18')	EPA 3050	240038	EPA 6010	240159
40140826002	B-5 (14-16')	EPA 3050	240038	EPA 6010	240159
40140826004	B-13 (14-16')	EPA 3050	240038	EPA 6010	240159
40140679001	B-1 (12-14')	EPA 7471	239018	EPA 7471	239168
40140679002	B-2 (10-12')	EPA 7471	239018	EPA 7471	239168
40140679003	B-4 (14-16')	EPA 7471	239018	EPA 7471	239168
40140679006	B-10 (14-16')	EPA 7471	239018	EPA 7471	239168
40140679008	B-15 (16-18')	EPA 7471	239018	EPA 7471	239168
40140826002	B-5 (14-16')	EPA 7471	239806	EPA 7471	239882
40140826004	B-13 (14-16')	EPA 7471	239806	EPA 7471	239882
40140679001	B-1 (12-14')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679002	B-2 (10-12')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679003	B-4 (14-16')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679006	B-10 (14-16')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679008	B-15 (16-18')	EPA 3546	239016	EPA 8270 by SIM	239196
40140826002	B-5 (14-16')	EPA 3546	239760	EPA 8270 by SIM	239785
40140826004	B-13 (14-16')	EPA 3546	239760	EPA 8270 by SIM	239785
40140679001	B-1 (12-14')	EPA 5035/5030B	239057	EPA 8260	239059
40140679002	B-2 (10-12')	EPA 5035/5030B	239057	EPA 8260	239059
40140679003	B-4 (14-16')	EPA 5035/5030B	239057	EPA 8260	239059
40140679006	B-10 (14-16')	EPA 5035/5030B	239057	EPA 8260	239059
40140679008	B-15 (16-18')	EPA 5035/5030B	239057	EPA 8260	239059
40140826002	B-5 (14-16')	EPA 5035/5030B	239636	EPA 8260	239661
40140826004	B-13 (14-16')	EPA 5035/5030B	239636	EPA 8260	239661
40140679001	B-1 (12-14')	ASTM D2974-87	239683		
40140679002	B-2 (10-12')	ASTM D2974-87	239683		
40140679003	B-4 (14-16')	ASTM D2974-87	239683		
40140679006	B-10 (14-16')	ASTM D2974-87	239225		
40140679008	B-15 (16-18')	ASTM D2974-87	239225		
40140826002	B-5 (14-16')	ASTM D2974-87	239683		
40140826004	B-13 (14-16')	ASTM D2974-87	239687		

### REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project #: **WO#: 40140679**

Client Name: Giles Eng.

Courier:  Fed Ex  UPS  Client  Pace Other: CS Logistics  
Tracking #: 1910.102116



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT /Corr: - Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no

Person examining contents:  
Date: 10/22/16  
Initials: BIT

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>typed only BIT 10/22/16</u>
Sample Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>001 time 1325</u> <u>005 1-4oz bag<sup>A</sup> no depth in ID + no collect time</u>
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	<u>BIT 10/22/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #/ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:  If checked, see attached form for additional comments  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AMH for DM Date: 10/22/16



Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project #:

WO#: 40140826



Client Name: Giles Eng.

Courier:  Fed Ex  UPS  Client  Pace Other: CS Logistics

Tracking #: 1885.102516

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: NA Type of Ice: Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT /Corr: --- Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 10/26/16  
Initials: BT

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>cool depth on IDs is (16-18) OOD 1-40mlUF no depth in ID</u> <u>BT 10/26/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #/ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AmH for DM

Date: 10/26/16



November 09, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141216001	B-7 (16-18)	Solid	10/31/16 12:45	11/02/16 08:05
40141216002	B-11 (12-14)	Solid	10/31/16 10:50	11/02/16 08:05
40141216003	B-14 (14-15)	Solid	10/31/16 11:55	11/02/16 08:05

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141216001	B-7 (16-18)	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40141216002	B-11 (12-14)	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40141216003	B-14 (14-15)	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	TEL	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40141216001</b>	<b>B-7 (16-18)</b>					
EPA 6010	Arsenic	3.8J	mg/kg	5.4	11/04/16 10:40	
EPA 6010	Lead	6.3	mg/kg	1.4	11/04/16 10:40	
ASTM D2974-87	Percent Moisture	9.5	%	0.10	11/07/16 12:40	
<b>40141216002</b>	<b>B-11 (12-14)</b>					
EPA 6010	Arsenic	4.3J	mg/kg	5.7	11/04/16 10:43	
EPA 6010	Lead	11.6	mg/kg	1.5	11/04/16 10:43	
ASTM D2974-87	Percent Moisture	16.5	%	0.10	11/07/16 12:40	
<b>40141216003</b>	<b>B-14 (14-15)</b>					
EPA 6010	Arsenic	5.5J	mg/kg	5.7	11/04/16 10:50	
EPA 6010	Lead	63.6	mg/kg	1.5	11/04/16 10:50	
EPA 8270 by SIM	Acenaphthene	189	ug/kg	78.3	11/04/16 12:47	
EPA 8270 by SIM	Acenaphthylene	26.8J	ug/kg	66.8	11/04/16 12:47	
EPA 8270 by SIM	Anthracene	347	ug/kg	115	11/04/16 12:47	
EPA 8270 by SIM	Benzo(a)anthracene	486	ug/kg	64.4	11/04/16 12:47	
EPA 8270 by SIM	Benzo(a)pyrene	490	ug/kg	50.8	11/04/16 12:47	
EPA 8270 by SIM	Benzo(b)fluoranthene	526	ug/kg	57.1	11/04/16 12:47	
EPA 8270 by SIM	Benzo(g,h,i)perylene	244	ug/kg	41.1	11/04/16 12:47	
EPA 8270 by SIM	Benzo(k)fluoranthene	245	ug/kg	50.8	11/04/16 12:47	
EPA 8270 by SIM	Chrysene	547	ug/kg	68.0	11/04/16 12:47	
EPA 8270 by SIM	Dibenz(a,h)anthracene	72.4	ug/kg	45.2	11/04/16 12:47	
EPA 8270 by SIM	Fluoranthene	1200	ug/kg	106	11/04/16 12:47	
EPA 8270 by SIM	Fluorene	156	ug/kg	83.8	11/04/16 12:47	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	224	ug/kg	44.5	11/04/16 12:47	
EPA 8270 by SIM	1-Methylnaphthalene	77.8J	ug/kg	81.4	11/04/16 12:47	
EPA 8270 by SIM	2-Methylnaphthalene	77.0J	ug/kg	101	11/04/16 12:47	
EPA 8270 by SIM	Naphthalene	364	ug/kg	171	11/04/16 12:47	
EPA 8270 by SIM	Phenanthrene	1150	ug/kg	236	11/04/16 12:47	
EPA 8270 by SIM	Pyrene	1050	ug/kg	91.1	11/04/16 12:47	
EPA 8260	Benzene	92.1	ug/kg	72.9	11/04/16 13:37	
EPA 8260	Methylene Chloride	37.1J	ug/kg	72.9	11/04/16 13:37	
EPA 8260	Naphthalene	155J	ug/kg	304	11/04/16 13:37	
EPA 8260	Toluene	33.1J	ug/kg	72.9	11/04/16 13:37	
ASTM D2974-87	Percent Moisture	17.7	%	0.10	11/07/16 12:40	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

**Sample: B-7 (16-18)**      **Lab ID: 40141216001**      Collected: 10/31/16 12:45      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>3.8J</b>	mg/kg	5.4	1.1	1	11/03/16 13:38	11/04/16 10:40	7440-38-2	
Lead	<b>6.3</b>	mg/kg	1.4	0.47	1	11/03/16 13:38	11/04/16 10:40	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.4	1.2	1	11/03/16 13:38	11/04/16 10:40	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.038</b>	mg/kg	0.13	0.038	1	11/07/16 07:46	11/07/16 13:04	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.3</b>	ug/kg	14.2	4.3	1	11/03/16 09:45	11/03/16 17:22	83-32-9	
Acenaphthylene	<b>&lt;3.6</b>	ug/kg	12.2	3.6	1	11/03/16 09:45	11/03/16 17:22	208-96-8	
Anthracene	<b>&lt;6.3</b>	ug/kg	21.0	6.3	1	11/03/16 09:45	11/03/16 17:22	120-12-7	
Benzo(a)anthracene	<b>&lt;3.5</b>	ug/kg	11.7	3.5	1	11/03/16 09:45	11/03/16 17:22	56-55-3	
Benzo(a)pyrene	<b>&lt;2.8</b>	ug/kg	9.2	2.8	1	11/03/16 09:45	11/03/16 17:22	50-32-8	
Benzo(b)fluoranthene	<b>&lt;3.1</b>	ug/kg	10.4	3.1	1	11/03/16 09:45	11/03/16 17:22	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;2.2</b>	ug/kg	7.5	2.2	1	11/03/16 09:45	11/03/16 17:22	191-24-2	
Benzo(k)fluoranthene	<b>&lt;2.8</b>	ug/kg	9.2	2.8	1	11/03/16 09:45	11/03/16 17:22	207-08-9	
Chrysene	<b>&lt;3.7</b>	ug/kg	12.4	3.7	1	11/03/16 09:45	11/03/16 17:22	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.5</b>	ug/kg	8.2	2.5	1	11/03/16 09:45	11/03/16 17:22	53-70-3	
Fluoranthene	<b>&lt;5.8</b>	ug/kg	19.2	5.8	1	11/03/16 09:45	11/03/16 17:22	206-44-0	
Fluorene	<b>&lt;4.6</b>	ug/kg	15.2	4.6	1	11/03/16 09:45	11/03/16 17:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;2.4</b>	ug/kg	8.1	2.4	1	11/03/16 09:45	11/03/16 17:22	193-39-5	
1-Methylnaphthalene	<b>&lt;4.4</b>	ug/kg	14.8	4.4	1	11/03/16 09:45	11/03/16 17:22	90-12-0	
2-Methylnaphthalene	<b>&lt;5.5</b>	ug/kg	18.4	5.5	1	11/03/16 09:45	11/03/16 17:22	91-57-6	
Naphthalene	<b>&lt;9.3</b>	ug/kg	31.0	9.3	1	11/03/16 09:45	11/03/16 17:22	91-20-3	
Phenanthrene	<b>&lt;12.9</b>	ug/kg	42.9	12.9	1	11/03/16 09:45	11/03/16 17:22	85-01-8	
Pyrene	<b>&lt;5.0</b>	ug/kg	16.6	5.0	1	11/03/16 09:45	11/03/16 17:22	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	69	%	26-130		1	11/03/16 09:45	11/03/16 17:22	321-60-8	
Terphenyl-d14 (S)	74	%	10-130		1	11/03/16 09:45	11/03/16 17:22	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 10:03	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 10:03	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 10:03	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Sample: B-7 (16-18) Lab ID: 40141216001 Collected: 10/31/16 12:45 Received: 11/02/16 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	11/03/16 08:00	11/04/16 10:03	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 10:03	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 10:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:03	75-01-4	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-7 (16-18)**      **Lab ID: 40141216001**      Collected: 10/31/16 12:45      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	11/03/16 08:00	11/04/16 10:03	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	53-165		1	11/03/16 08:00	11/04/16 10:03	1868-53-7	
Toluene-d8 (S)	94	%	54-163		1	11/03/16 08:00	11/04/16 10:03	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-138		1	11/03/16 08:00	11/04/16 10:03	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>9.5</b>	%	0.10	0.10	1		11/07/16 12:40		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-11 (12-14)**      **Lab ID: 40141216002**      Collected: 10/31/16 10:50      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>4.3J</b>	mg/kg	5.7	1.2	1	11/03/16 13:38	11/04/16 10:43	7440-38-2	
Lead	<b>11.6</b>	mg/kg	1.5	0.49	1	11/03/16 13:38	11/04/16 10:43	7439-92-1	
Selenium	<b>&lt;1.3</b>	mg/kg	5.7	1.3	1	11/03/16 13:38	11/04/16 10:43	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.040</b>	mg/kg	0.14	0.040	1	11/07/16 07:46	11/07/16 13:07	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.6</b>	ug/kg	15.4	4.6	1	11/03/16 09:45	11/03/16 11:19	83-32-9	
Acenaphthylene	<b>&lt;3.9</b>	ug/kg	13.2	3.9	1	11/03/16 09:45	11/03/16 11:19	208-96-8	
Anthracene	<b>&lt;6.8</b>	ug/kg	22.7	6.8	1	11/03/16 09:45	11/03/16 11:19	120-12-7	
Benzo(a)anthracene	<b>&lt;3.8</b>	ug/kg	12.7	3.8	1	11/03/16 09:45	11/03/16 11:19	56-55-3	
Benzo(a)pyrene	<b>&lt;3.0</b>	ug/kg	10.0	3.0	1	11/03/16 09:45	11/03/16 11:19	50-32-8	
Benzo(b)fluoranthene	<b>&lt;3.4</b>	ug/kg	11.3	3.4	1	11/03/16 09:45	11/03/16 11:19	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;2.4</b>	ug/kg	8.1	2.4	1	11/03/16 09:45	11/03/16 11:19	191-24-2	
Benzo(k)fluoranthene	<b>&lt;3.0</b>	ug/kg	10.0	3.0	1	11/03/16 09:45	11/03/16 11:19	207-08-9	
Chrysene	<b>&lt;4.0</b>	ug/kg	13.4	4.0	1	11/03/16 09:45	11/03/16 11:19	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.7</b>	ug/kg	8.9	2.7	1	11/03/16 09:45	11/03/16 11:19	53-70-3	
Fluoranthene	<b>&lt;6.2</b>	ug/kg	20.8	6.2	1	11/03/16 09:45	11/03/16 11:19	206-44-0	
Fluorene	<b>&lt;5.0</b>	ug/kg	16.5	5.0	1	11/03/16 09:45	11/03/16 11:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;2.6</b>	ug/kg	8.8	2.6	1	11/03/16 09:45	11/03/16 11:19	193-39-5	
1-Methylnaphthalene	<b>&lt;4.8</b>	ug/kg	16.0	4.8	1	11/03/16 09:45	11/03/16 11:19	90-12-0	
2-Methylnaphthalene	<b>&lt;6.0</b>	ug/kg	20.0	6.0	1	11/03/16 09:45	11/03/16 11:19	91-57-6	
Naphthalene	<b>&lt;10.1</b>	ug/kg	33.6	10.1	1	11/03/16 09:45	11/03/16 11:19	91-20-3	
Phenanthrene	<b>&lt;13.9</b>	ug/kg	46.5	13.9	1	11/03/16 09:45	11/03/16 11:19	85-01-8	
Pyrene	<b>&lt;5.4</b>	ug/kg	18.0	5.4	1	11/03/16 09:45	11/03/16 11:19	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	68	%	26-130		1	11/03/16 09:45	11/03/16 11:19	321-60-8	
Terphenyl-d14 (S)	77	%	10-130		1	11/03/16 09:45	11/03/16 11:19	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 10:26	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 10:26	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 10:26	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-11 (12-14)**      **Lab ID: 40141216002**      Collected: 10/31/16 10:50      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	11/03/16 08:00	11/04/16 10:26	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 10:26	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 10:26	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 10:26	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-11 (12-14)**      **Lab ID: 40141216002**      Collected: 10/31/16 10:50      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	11/03/16 08:00	11/04/16 10:26	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	105	%	53-165		1	11/03/16 08:00	11/04/16 10:26	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	11/03/16 08:00	11/04/16 10:26	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	11/03/16 08:00	11/04/16 10:26	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>16.5</b>	%	0.10	0.10	1		11/07/16 12:40		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-14 (14-15)**      **Lab ID: 40141216003**      Collected: 10/31/16 11:55      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>5.5J</b>	mg/kg	5.7	1.2	1	11/03/16 13:38	11/04/16 10:50	7440-38-2	
Lead	<b>63.6</b>	mg/kg	1.5	0.49	1	11/03/16 13:38	11/04/16 10:50	7439-92-1	
Selenium	<b>&lt;1.3</b>	mg/kg	5.7	1.3	1	11/03/16 13:38	11/04/16 10:50	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.040</b>	mg/kg	0.13	0.040	1	11/07/16 07:46	11/07/16 13:09	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>189</b>	ug/kg	78.3	23.6	5	11/03/16 09:45	11/04/16 12:47	83-32-9	
Acenaphthylene	<b>26.8J</b>	ug/kg	66.8	20.0	5	11/03/16 09:45	11/04/16 12:47	208-96-8	
Anthracene	<b>347</b>	ug/kg	115	34.7	5	11/03/16 09:45	11/04/16 12:47	120-12-7	
Benzo(a)anthracene	<b>486</b>	ug/kg	64.4	19.3	5	11/03/16 09:45	11/04/16 12:47	56-55-3	
Benzo(a)pyrene	<b>490</b>	ug/kg	50.8	15.3	5	11/03/16 09:45	11/04/16 12:47	50-32-8	
Benzo(b)fluoranthene	<b>526</b>	ug/kg	57.1	17.1	5	11/03/16 09:45	11/04/16 12:47	205-99-2	
Benzo(g,h,i)perylene	<b>244</b>	ug/kg	41.1	12.3	5	11/03/16 09:45	11/04/16 12:47	191-24-2	
Benzo(k)fluoranthene	<b>245</b>	ug/kg	50.8	15.2	5	11/03/16 09:45	11/04/16 12:47	207-08-9	
Chrysene	<b>547</b>	ug/kg	68.0	20.5	5	11/03/16 09:45	11/04/16 12:47	218-01-9	
Dibenz(a,h)anthracene	<b>72.4</b>	ug/kg	45.2	13.6	5	11/03/16 09:45	11/04/16 12:47	53-70-3	
Fluoranthene	<b>1200</b>	ug/kg	106	31.6	5	11/03/16 09:45	11/04/16 12:47	206-44-0	
Fluorene	<b>156</b>	ug/kg	83.8	25.1	5	11/03/16 09:45	11/04/16 12:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>224</b>	ug/kg	44.5	13.4	5	11/03/16 09:45	11/04/16 12:47	193-39-5	
1-Methylnaphthalene	<b>77.8J</b>	ug/kg	81.4	24.4	5	11/03/16 09:45	11/04/16 12:47	90-12-0	
2-Methylnaphthalene	<b>77.0J</b>	ug/kg	101	30.4	5	11/03/16 09:45	11/04/16 12:47	91-57-6	
Naphthalene	<b>364</b>	ug/kg	171	51.1	5	11/03/16 09:45	11/04/16 12:47	91-20-3	
Phenanthrene	<b>1150</b>	ug/kg	236	70.7	5	11/03/16 09:45	11/04/16 12:47	85-01-8	
Pyrene	<b>1050</b>	ug/kg	91.1	27.4	5	11/03/16 09:45	11/04/16 12:47	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	26-130		5	11/03/16 09:45	11/04/16 12:47	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		5	11/03/16 09:45	11/04/16 12:47	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>92.1</b>	ug/kg	72.9	30.4	1	11/03/16 08:00	11/04/16 13:37	71-43-2	
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 13:37	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 13:37	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 13:37	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Sample: B-14 (14-15) Lab ID: 40141216003 Collected: 10/31/16 11:55 Received: 11/02/16 08:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	11/03/16 08:00	11/04/16 13:37	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	99-87-6	W
Methylene Chloride	37.1J	ug/kg	72.9	30.4	1	11/03/16 08:00	11/04/16 13:37	75-09-2	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	1634-04-4	W
Naphthalene	155J	ug/kg	304	48.6	1	11/03/16 08:00	11/04/16 13:37	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	127-18-4	W
Toluene	33.1J	ug/kg	72.9	30.4	1	11/03/16 08:00	11/04/16 13:37	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 13:37	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:37	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

**Sample: B-14 (14-15)**      **Lab ID: 40141216003**      Collected: 10/31/16 11:55      Received: 11/02/16 08:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	11/03/16 08:00	11/04/16 13:37	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	110	%	53-165		1	11/03/16 08:00	11/04/16 13:37	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	11/03/16 08:00	11/04/16 13:37	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	11/03/16 08:00	11/04/16 13:37	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.7</b>	%	0.10	0.10	1		11/07/16 12:40		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

QC Batch: 240456 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

METHOD BLANK: 1425013 Matrix: Solid  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.037	0.12	11/07/16 12:48	

LABORATORY CONTROL SAMPLE: 1425014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.81	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425015 1425016

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40141378001	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Mercury	mg/kg	<0.039	.89	.87	0.88	0.87	100	99	85-115	1	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

QC Batch: 240239 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

METHOD BLANK: 1423084 Matrix: Solid  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	11/04/16 09:55	
Lead	mg/kg	<0.43	1.3	11/04/16 09:55	
Selenium	mg/kg	<1.1	5.0	11/04/16 09:55	

LABORATORY CONTROL SAMPLE & LCSD: 1423085 1423088

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	50	48.2	49.8	96	100	80-120	3	20	
Lead	mg/kg	50	48.6	49.7	97	99	80-120	2	20	
Selenium	mg/kg	50	47.8	49.7	96	99	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423086 1423087

Parameter	Units	40141206001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.9J	61.6	61.8	62.6	61.4	92	90	75-125	2	20	
Lead	mg/kg	14.2	61.6	61.8	71.5	70.7	93	91	75-125	1	20	
Selenium	mg/kg	<1.4	61.6	61.8	56.8	56.9	92	92	75-125	0	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

QC Batch: 240236 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

METHOD BLANK: 1423076 Matrix: Solid

Associated Lab Samples: 40141216001, 40141216002, 40141216003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	11/03/16 11:11	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	11/03/16 11:11	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	11/03/16 11:11	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	11/03/16 11:11	
1,1-Dichloroethane	ug/kg	<17.6	50.0	11/03/16 11:11	
1,1-Dichloroethene	ug/kg	<17.6	50.0	11/03/16 11:11	
1,1-Dichloropropene	ug/kg	<14.0	50.0	11/03/16 11:11	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	11/03/16 11:11	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	11/03/16 11:11	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	11/03/16 11:11	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/03/16 11:11	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	11/03/16 11:11	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	11/03/16 11:11	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	11/03/16 11:11	
1,2-Dichloroethane	ug/kg	<15.0	50.0	11/03/16 11:11	
1,2-Dichloropropane	ug/kg	<16.8	50.0	11/03/16 11:11	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/03/16 11:11	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	11/03/16 11:11	
1,3-Dichloropropane	ug/kg	<12.0	50.0	11/03/16 11:11	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	11/03/16 11:11	
2,2-Dichloropropane	ug/kg	<12.6	50.0	11/03/16 11:11	
2-Chlorotoluene	ug/kg	<15.8	50.0	11/03/16 11:11	
4-Chlorotoluene	ug/kg	<13.0	50.0	11/03/16 11:11	
Benzene	ug/kg	<9.2	20.0	11/03/16 11:11	
Bromobenzene	ug/kg	<20.6	50.0	11/03/16 11:11	
Bromochloromethane	ug/kg	<21.4	50.0	11/03/16 11:11	
Bromodichloromethane	ug/kg	<9.8	50.0	11/03/16 11:11	
Bromoform	ug/kg	<19.8	50.0	11/03/16 11:11	
Bromomethane	ug/kg	<69.9	250	11/03/16 11:11	
Carbon tetrachloride	ug/kg	<12.1	50.0	11/03/16 11:11	
Chlorobenzene	ug/kg	<14.8	50.0	11/03/16 11:11	
Chloroethane	ug/kg	<67.0	250	11/03/16 11:11	
Chloroform	ug/kg	<46.4	250	11/03/16 11:11	
Chloromethane	ug/kg	<20.4	50.0	11/03/16 11:11	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	11/03/16 11:11	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	11/03/16 11:11	
Dibromochloromethane	ug/kg	<17.9	50.0	11/03/16 11:11	
Dibromomethane	ug/kg	<19.3	50.0	11/03/16 11:11	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	11/03/16 11:11	
Diisopropyl ether	ug/kg	<17.7	50.0	11/03/16 11:11	
Ethylbenzene	ug/kg	<12.4	50.0	11/03/16 11:11	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

METHOD BLANK: 1423076

Matrix: Solid

Associated Lab Samples: 40141216001, 40141216002, 40141216003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	11/03/16 11:11	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	11/03/16 11:11	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/03/16 11:11	
Methylene Chloride	ug/kg	<16.2	50.0	11/03/16 11:11	
n-Butylbenzene	ug/kg	<10.5	50.0	11/03/16 11:11	
n-Propylbenzene	ug/kg	<11.6	50.0	11/03/16 11:11	
Naphthalene	ug/kg	<40.0	250	11/03/16 11:11	
p-Isopropyltoluene	ug/kg	<12.0	50.0	11/03/16 11:11	
sec-Butylbenzene	ug/kg	<11.9	50.0	11/03/16 11:11	
Styrene	ug/kg	<9.0	50.0	11/03/16 11:11	
tert-Butylbenzene	ug/kg	<9.5	50.0	11/03/16 11:11	
Tetrachloroethene	ug/kg	<12.9	50.0	11/03/16 11:11	
Toluene	ug/kg	<11.2	50.0	11/03/16 11:11	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	11/03/16 11:11	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	11/03/16 11:11	
Trichloroethene	ug/kg	<23.6	50.0	11/03/16 11:11	
Trichlorofluoromethane	ug/kg	<24.7	50.0	11/03/16 11:11	
Vinyl chloride	ug/kg	<21.1	50.0	11/03/16 11:11	
Xylene (Total)	ug/kg	<48.4	150	11/03/16 11:11	
4-Bromofluorobenzene (S)	%	97	48-138	11/03/16 11:11	
Dibromofluoromethane (S)	%	108	53-165	11/03/16 11:11	
Toluene-d8 (S)	%	110	54-163	11/03/16 11:11	

LABORATORY CONTROL SAMPLE: 1423077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2430	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2720	109	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2730	109	70-130	
1,1-Dichloroethane	ug/kg	2500	2550	102	70-133	
1,1-Dichloroethene	ug/kg	2500	2350	94	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2370	95	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2090	84	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2480	99	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2420	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2510	100	70-138	
1,2-Dichloropropane	ug/kg	2500	2640	106	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
Benzene	ug/kg	2500	2800	112	70-130	
Bromodichloromethane	ug/kg	2500	2270	91	70-130	
Bromoform	ug/kg	2500	1910	76	68-130	
Bromomethane	ug/kg	2500	2940	118	25-163	
Carbon tetrachloride	ug/kg	2500	2280	91	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141216

LABORATORY CONTROL SAMPLE: 1423077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2390	96	70-130	
Chloroethane	ug/kg	2500	2980	119	34-151	
Chloroform	ug/kg	2500	2440	98	70-130	
Chloromethane	ug/kg	2500	2120	85	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2290	91	70-130	
Dibromochloromethane	ug/kg	2500	2110	84	70-130	
Dichlorodifluoromethane	ug/kg	2500	1670	67	27-150	
Ethylbenzene	ug/kg	2500	2510	100	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2440	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2650	106	70-130	
Methylene Chloride	ug/kg	2500	2610	105	70-131	
Styrene	ug/kg	2500	2280	91	70-130	
Tetrachloroethene	ug/kg	2500	2380	95	70-130	
Toluene	ug/kg	2500	2640	105	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2580	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2160	86	70-130	
Trichloroethene	ug/kg	2500	2480	99	70-130	
Trichlorofluoromethane	ug/kg	2500	2530	101	50-150	
Vinyl chloride	ug/kg	2500	2380	95	57-130	
Xylene (Total)	ug/kg	7500	7420	99	70-130	
4-Bromofluorobenzene (S)	%			103	48-138	
Dibromofluoromethane (S)	%			109	53-165	
Toluene-d8 (S)	%			112	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423078 1423079

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40141249001 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<26.0	1340	1670	1270	1410	95	85	70-130	10	20		
1,1,2,2-Tetrachloroethane	ug/kg	<26.0	1340	1670	1510	1690	113	101	70-130	11	20		
1,1,2-Trichloroethane	ug/kg	<26.0	1340	1670	1320	1580	99	94	70-130	18	20		
1,1-Dichloroethane	ug/kg	<26.0	1340	1670	1370	1560	102	94	64-133	13	20		
1,1-Dichloroethene	ug/kg	<26.0	1340	1670	1220	1350	91	81	56-130	10	24		
1,2,4-Trichlorobenzene	ug/kg	<49.5	1340	1670	1340	1450	100	87	70-130	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<95.0	1340	1670	1370	1410	102	85	50-150	3	20		
1,2-Dibromoethane (EDB)	ug/kg	<26.0	1340	1670	1260	1430	95	85	70-130	12	20		
1,2-Dichlorobenzene	ug/kg	<26.0	1340	1670	1380	1500	104	90	70-130	8	20		
1,2-Dichloroethane	ug/kg	<26.0	1340	1670	1440	1630	108	97	70-138	12	20		
1,2-Dichloropropane	ug/kg	<26.0	1340	1670	1310	1530	98	92	70-130	15	20		
1,3-Dichlorobenzene	ug/kg	<26.0	1340	1670	1290	1420	96	85	70-130	10	20		
1,4-Dichlorobenzene	ug/kg	<26.0	1340	1670	1290	1410	97	84	70-130	8	20		
Benzene	ug/kg	<26.0	1340	1670	1490	1660	111	99	70-130	11	20		
Bromodichloromethane	ug/kg	<26.0	1340	1670	1160	1340	87	81	70-130	15	20		

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**QUALITY CONTROL DATA**

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423078		1423079		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40141249001 Result	MS Spike Conc.	MSD Spike Conc.									
Bromoform	ug/kg	<26.0	1340	1670	1000	1220	75	73	65-130	19	20		
Bromomethane	ug/kg	<72.8	1340	1670	1680	1860	126	111	11-163	10	21		
Carbon tetrachloride	ug/kg	<26.0	1340	1670	1150	1350	86	81	70-130	16	20		
Chlorobenzene	ug/kg	<26.0	1340	1670	1260	1460	94	88	70-130	15	20		
Chloroethane	ug/kg	<69.8	1340	1670	1620	1840	121	110	17-151	13	20		
Chloroform	ug/kg	<48.4	1340	1670	1270	1450	95	87	70-130	13	20		
Chloromethane	ug/kg	<26.0	1340	1670	1090	1280	82	77	13-130	16	20		
cis-1,2-Dichloroethene	ug/kg	<26.0	1340	1670	1320	1480	98	89	70-130	12	20		
cis-1,3-Dichloropropene	ug/kg	<26.0	1340	1670	1150	1300	86	78	70-130	12	20		
Dibromochloromethane	ug/kg	<26.0	1340	1670	1140	1330	85	80	70-130	16	20		
Dichlorodifluoromethane	ug/kg	<26.0	1340	1670	883	948	66	57	10-150	7	21		
Ethylbenzene	ug/kg	<26.0	1340	1670	1210	1430	91	86	70-130	17	20		
Isopropylbenzene (Cumene)	ug/kg	<26.0	1340	1670	1240	1450	93	87	70-130	16	20		
Methyl-tert-butyl ether	ug/kg	<26.0	1340	1670	1440	1650	108	99	70-130	13	20		
Methylene Chloride	ug/kg	<26.0	1340	1670	1390	1640	104	98	70-131	17	20		
Styrene	ug/kg	<26.0	1340	1670	1200	1350	90	81	70-130	12	20		
Tetrachloroethene	ug/kg	<26.0	1340	1670	1200	1390	90	83	70-130	15	20		
Toluene	ug/kg	<26.0	1340	1670	1330	1540	99	92	70-130	15	20		
trans-1,2-Dichloroethene	ug/kg	<26.0	1340	1670	1360	1510	102	90	70-130	10	20		
trans-1,3-Dichloropropene	ug/kg	<26.0	1340	1670	1080	1320	81	79	70-130	19	20		
Trichloroethene	ug/kg	<26.0	1340	1670	1270	1440	95	86	70-130	13	20		
Trichlorofluoromethane	ug/kg	<26.0	1340	1670	1300	1470	98	88	40-150	12	31		
Vinyl chloride	ug/kg	<26.0	1340	1670	1260	1440	94	86	26-130	14	20		
Xylene (Total)	ug/kg	<78.1	4010	5010	3840	4420	96	88	70-130	14	20		
4-Bromofluorobenzene (S)	%						100	96	48-138				
Dibromofluoromethane (S)	%						111	100	53-165				
Toluene-d8 (S)	%						107	104	54-163				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

QC Batch: 240187 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40141216001, 40141216002, 40141216003

METHOD BLANK: 1422709 Matrix: Solid

Associated Lab Samples: 40141216001, 40141216002, 40141216003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/03/16 10:45	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/03/16 10:45	
Acenaphthene	ug/kg	<3.9	12.9	11/03/16 10:45	
Acenaphthylene	ug/kg	<3.3	11.0	11/03/16 10:45	
Anthracene	ug/kg	<5.7	19.0	11/03/16 10:45	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/03/16 10:45	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/03/16 10:45	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/03/16 10:45	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/03/16 10:45	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/03/16 10:45	
Chrysene	ug/kg	<3.4	11.2	11/03/16 10:45	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/03/16 10:45	
Fluoranthene	ug/kg	<5.2	17.4	11/03/16 10:45	
Fluorene	ug/kg	<4.1	13.8	11/03/16 10:45	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/03/16 10:45	
Naphthalene	ug/kg	<8.4	28.1	11/03/16 10:45	
Phenanthrene	ug/kg	<11.6	38.8	11/03/16 10:45	
Pyrene	ug/kg	<4.5	15.0	11/03/16 10:45	
2-Fluorobiphenyl (S)	%	74	26-130	11/03/16 10:45	
Terphenyl-d14 (S)	%	94	10-130	11/03/16 10:45	

LABORATORY CONTROL SAMPLE: 1422710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	330	99	48-130	
2-Methylnaphthalene	ug/kg	333	305	91	49-130	
Acenaphthene	ug/kg	333	290	87	54-130	
Acenaphthylene	ug/kg	333	285	85	56-130	
Anthracene	ug/kg	333	351	105	70-130	
Benzo(a)anthracene	ug/kg	333	299	90	58-130	
Benzo(a)pyrene	ug/kg	333	334	100	58-130	
Benzo(b)fluoranthene	ug/kg	333	335	100	50-130	
Benzo(g,h,i)perylene	ug/kg	333	346	104	39-130	
Benzo(k)fluoranthene	ug/kg	333	377	113	57-130	
Chrysene	ug/kg	333	366	110	64-130	
Dibenz(a,h)anthracene	ug/kg	333	358	107	44-130	
Fluoranthene	ug/kg	333	325	97	59-130	
Fluorene	ug/kg	333	290	87	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	368	110	45-130	
Naphthalene	ug/kg	333	295	89	46-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

LABORATORY CONTROL SAMPLE: 1422710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	315	95	56-130	
Pyrene	ug/kg	333	339	102	59-130	
2-Fluorobiphenyl (S)	%			92	26-130	
Terphenyl-d14 (S)	%			98	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1422711 1422712

Parameter	Units	40141216002		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/kg	<4.8	399	399	334	346	84	87	41-130	3	24		
2-Methylnaphthalene	ug/kg	<6.0	399	399	325	337	82	84	42-130	3	25		
Acenaphthene	ug/kg	<4.6	399	399	308	328	77	82	49-130	6	27		
Acenaphthylene	ug/kg	<3.9	399	399	302	324	76	81	52-130	7	26		
Anthracene	ug/kg	<6.8	399	399	366	386	92	97	61-130	5	29		
Benzo(a)anthracene	ug/kg	<3.8	399	399	311	333	77	83	45-130	7	28		
Benzo(a)pyrene	ug/kg	<3.0	399	399	344	366	86	92	39-130	6	34		
Benzo(b)fluoranthene	ug/kg	<3.4	399	399	326	353	82	88	30-130	8	43		
Benzo(g,h,i)perylene	ug/kg	<2.4	399	399	353	375	88	94	24-130	6	34		
Benzo(k)fluoranthene	ug/kg	<3.0	399	399	413	441	103	111	41-130	7	32		
Chrysene	ug/kg	<4.0	399	399	378	407	95	102	46-130	7	37		
Dibenz(a,h)anthracene	ug/kg	<2.7	399	399	365	391	91	98	33-130	7	34		
Fluoranthene	ug/kg	<6.2	399	399	340	363	85	91	41-130	6	25		
Fluorene	ug/kg	<5.0	399	399	305	328	76	82	49-130	7	30		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.6	399	399	375	400	94	100	30-130	6	28		
Naphthalene	ug/kg	<10.1	399	399	320	315	80	79	39-130	1	26		
Phenanthrene	ug/kg	<13.9	399	399	342	365	85	91	47-130	6	26		
Pyrene	ug/kg	<5.4	399	399	336	388	84	97	37-130	14	30		
2-Fluorobiphenyl (S)	%						77	74	26-130				
Terphenyl-d14 (S)	%						83	83	10-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141216

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141216001	B-7 (16-18)	EPA 3050	240239	EPA 6010	240323
40141216002	B-11 (12-14)	EPA 3050	240239	EPA 6010	240323
40141216003	B-14 (14-15)	EPA 3050	240239	EPA 6010	240323
40141216001	B-7 (16-18)	EPA 7471	240456	EPA 7471	240475
40141216002	B-11 (12-14)	EPA 7471	240456	EPA 7471	240475
40141216003	B-14 (14-15)	EPA 7471	240456	EPA 7471	240475
40141216001	B-7 (16-18)	EPA 3546	240187	EPA 8270 by SIM	240216
40141216002	B-11 (12-14)	EPA 3546	240187	EPA 8270 by SIM	240216
40141216003	B-14 (14-15)	EPA 3546	240187	EPA 8270 by SIM	240216
40141216001	B-7 (16-18)	EPA 5035/5030B	240236	EPA 8260	240247
40141216002	B-11 (12-14)	EPA 5035/5030B	240236	EPA 8260	240247
40141216003	B-14 (14-15)	EPA 5035/5030B	240236	EPA 8260	240247
40141216001	B-7 (16-18)	ASTM D2974-87	240547		
40141216002	B-11 (12-14)	ASTM D2974-87	240547		
40141216003	B-14 (14-15)	ASTM D2974-87	240547		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

*Handwritten initials*

40141216

Page: \_\_\_\_\_ of \_\_\_\_\_

### Section A

Required Client Information:

### Section B

Required Project Information:

### Section C

Invoice Information:

Company: Giles Engineering Associates, Inc.	Report To: Kevin Bugel (kbugel@gilesengr.com)	Attention:
Address: N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Copy To: Kelly Hayden (kayden@gilesengr.com)	Company Name:
Email To: kbugel@gilesengr.com	Purchase Order No.:	Address:
Phone: 1-262-544-0118 Fax: _____	Project Name: The Couture, Milwaukee, WI	Pace Quote Reference:
Requested Due Date/TAT: Standard 7 day turn	Project Number: 1E-1610007	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY		
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER _____
Site Location	WI	
STATE:	WI	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other		PAHs	VOCs	As, Se, Pb, Hg										
1	001 B-7 (16-18)	S G	10/31/16	12:45					3	X								X	X	X	1-40 MUVF, H402pA, H402agA											
2	002 B-11 (12-14)	S G	10/31/16	10:50					3	X								X	X	X												
3	003 B-14 (14-15)	S G	10/31/16	11:55					3	X								X	X	X												
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>CS Logistics</i>	11/1/16	1715	<i>Suzanne Wolfe Pace</i>	11/2/16	0805	ROI	X	X	X

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Kelly Hayden	SIGNATURE of SAMPLER: <i>Kelly Hayden</i>				
DATE Signed (MM/DD/YY): 11/1/16					

Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Client Name: Giles Engineering Project # \_\_\_\_\_

WO#: **40141216**

Courier:  Fed Ex  UPS  Client  Pace Other Stamps Plus  
Tracking #: 1047110116



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Unconf: ROI /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no  no

Person examining contents:

Date: 11-2-16  
Initials: STW

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AMH for DM Date: 11/2/16

December 12, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory between October 22, 2016 and October 26, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

---

### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40140826001	B-3 (14-18')	Solid	10/25/16 09:40	10/26/16 09:25
40140826003	B-6 (14-16')	Solid	10/25/16 11:35	10/26/16 09:25
40140679004	B-8 (12-14')	Solid	10/21/16 14:40	10/22/16 07:30
40140679005	B-9 (10-12')	Solid	10/21/16 09:30	10/22/16 07:30
40140679007	B-12 (14-16')	Solid	10/21/16 15:50	10/22/16 07:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140826001	B-3 (14-18')	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140826003	B-6 (14-16')	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40140679004	B-8 (12-14')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40140679005	B-9 (10-12')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40140679007	B-12 (14-16')	EPA 6010	DLB	3	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40140826001</b>	<b>B-3 (14-18')</b>					
EPA 6010	Arsenic	5.8	mg/kg	5.6	12/08/16 13:08	
EPA 6010	Lead	7.6	mg/kg	1.5	12/08/16 13:08	
ASTM D2974-87	Percent Moisture	16.6	%	0.10	10/28/16 14:53	
<b>40140826003</b>	<b>B-6 (14-16')</b>					
EPA 6010	Arsenic	1.4J	mg/kg	5.6	12/08/16 13:10	
EPA 6010	Lead	1.8	mg/kg	1.5	12/08/16 13:10	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	10/28/16 14:53	
<b>40140679004</b>	<b>B-8 (12-14')</b>					
EPA 6010	Arsenic	3.1J	mg/kg	5.3	12/08/16 13:00	
EPA 6010	Lead	3.5	mg/kg	1.4	12/08/16 13:00	
EPA 8270 by SIM	Anthracene	8.3J	ug/kg	20.9	10/26/16 10:15	
EPA 8270 by SIM	Benzo(a)anthracene	9.0J	ug/kg	11.7	10/26/16 10:15	
EPA 8270 by SIM	Benzo(a)pyrene	7.1J	ug/kg	9.2	10/26/16 10:15	
EPA 8270 by SIM	Benzo(b)fluoranthene	9.5J	ug/kg	10.3	10/26/16 10:15	
EPA 8270 by SIM	Benzo(g,h,i)perylene	4.7J	ug/kg	7.4	10/26/16 10:15	
EPA 8270 by SIM	Benzo(k)fluoranthene	4.8J	ug/kg	9.2	10/26/16 10:15	
EPA 8270 by SIM	Chrysene	11.4J	ug/kg	12.3	10/26/16 10:15	
EPA 8270 by SIM	Fluoranthene	21.0	ug/kg	19.1	10/26/16 10:15	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	3.8J	ug/kg	8.1	10/26/16 10:15	
EPA 8270 by SIM	1-Methylnaphthalene	5.5J	ug/kg	14.7	10/26/16 10:15	
EPA 8270 by SIM	2-Methylnaphthalene	8.2J	ug/kg	18.4	10/26/16 10:15	
EPA 8270 by SIM	Phenanthrene	24.0J	ug/kg	42.7	10/26/16 10:15	
EPA 8270 by SIM	Pyrene	17.2	ug/kg	16.5	10/26/16 10:15	
ASTM D2974-87	Percent Moisture	9.0	%	0.10	10/25/16 12:39	
<b>40140679005</b>	<b>B-9 (10-12')</b>					
EPA 6010	Arsenic	1.9J	mg/kg	5.0	12/08/16 13:03	
EPA 6010	Lead	2.7	mg/kg	1.3	12/08/16 13:03	
EPA 8270 by SIM	Chrysene	3.7J	ug/kg	11.5	10/26/16 10:33	
ASTM D2974-87	Percent Moisture	2.5	%	0.10	10/25/16 12:39	
<b>40140679007</b>	<b>B-12 (14-16')</b>					
EPA 6010	Arsenic	7.9	mg/kg	6.7	12/08/16 13:05	
EPA 6010	Lead	120	mg/kg	1.8	12/08/16 13:05	
EPA 6010	Selenium	2.0J	mg/kg	6.7	12/08/16 13:05	
EPA 7471	Mercury	0.84	mg/kg	0.18	10/25/16 13:17	
EPA 8270 by SIM	Acenaphthene	112	ug/kg	80.2	10/26/16 15:24	
EPA 8270 by SIM	Acenaphthylene	232	ug/kg	68.3	10/26/16 15:24	
EPA 8270 by SIM	Anthracene	395	ug/kg	118	10/26/16 15:24	
EPA 8270 by SIM	Benzo(a)anthracene	1010	ug/kg	65.9	10/26/16 15:24	
EPA 8270 by SIM	Benzo(a)pyrene	1300	ug/kg	52.0	10/26/16 15:24	
EPA 8270 by SIM	Benzo(b)fluoranthene	1190	ug/kg	58.5	10/26/16 15:24	
EPA 8270 by SIM	Benzo(g,h,i)perylene	691	ug/kg	42.1	10/26/16 15:24	
EPA 8270 by SIM	Benzo(k)fluoranthene	496	ug/kg	51.9	10/26/16 15:24	
EPA 8270 by SIM	Chrysene	1060	ug/kg	69.6	10/26/16 15:24	
EPA 8270 by SIM	Dibenz(a,h)anthracene	169	ug/kg	46.3	10/26/16 15:24	
EPA 8270 by SIM	Fluoranthene	1480	ug/kg	108	10/26/16 15:24	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40140679007</b>	<b>B-12 (14-16')</b>					
EPA 8270 by SIM	Fluorene	115	ug/kg	85.7	10/26/16 15:24	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	562	ug/kg	45.5	10/26/16 15:24	
EPA 8270 by SIM	1-Methylnaphthalene	83.0J	ug/kg	83.3	10/26/16 15:24	
EPA 8270 by SIM	2-Methylnaphthalene	131	ug/kg	104	10/26/16 15:24	
EPA 8270 by SIM	Naphthalene	438	ug/kg	175	10/26/16 15:24	
EPA 8270 by SIM	Phenanthrene	851	ug/kg	241	10/26/16 15:24	
EPA 8270 by SIM	Pyrene	1750	ug/kg	93.2	10/26/16 15:24	
EPA 8260	Toluene	101	ug/kg	93.2	10/24/16 17:29	
ASTM D2974-87	Percent Moisture	35.6	%	0.10	10/25/16 12:39	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

**Sample: B-3 (14-18')**      **Lab ID: 40140826001**      Collected: 10/25/16 09:40      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<b>5.8</b>	mg/kg	5.6	1.2	1	12/07/16 15:48	12/08/16 13:08	7440-38-2	
Lead	<b>7.6</b>	mg/kg	1.5	0.49	1	12/07/16 15:48	12/08/16 13:08	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<b>&lt;4.7</b>	ug/kg	15.5	4.7	1	11/30/16 09:24	12/01/16 08:59	83-32-9	H2
Acenaphthylene	<b>&lt;4.0</b>	ug/kg	13.2	4.0	1	11/30/16 09:24	12/01/16 08:59	208-96-8	H2
Anthracene	<b>&lt;6.8</b>	ug/kg	22.8	6.8	1	11/30/16 09:24	12/01/16 08:59	120-12-7	H2
Benzo(a)anthracene	<b>&lt;3.8</b>	ug/kg	12.7	3.8	1	11/30/16 09:24	12/01/16 08:59	56-55-3	H2
Benzo(a)pyrene	<b>&lt;3.0</b>	ug/kg	10.0	3.0	1	11/30/16 09:24	12/01/16 08:59	50-32-8	H2
Benzo(b)fluoranthene	<b>&lt;3.4</b>	ug/kg	11.3	3.4	1	11/30/16 09:24	12/01/16 08:59	205-99-2	H2
Benzo(g,h,i)perylene	<b>&lt;2.4</b>	ug/kg	8.1	2.4	1	11/30/16 09:24	12/01/16 08:59	191-24-2	H2
Benzo(k)fluoranthene	<b>&lt;3.0</b>	ug/kg	10.0	3.0	1	11/30/16 09:24	12/01/16 08:59	207-08-9	H2
Chrysene	<b>&lt;4.0</b>	ug/kg	13.4	4.0	1	11/30/16 09:24	12/01/16 08:59	218-01-9	H2
Dibenz(a,h)anthracene	<b>&lt;2.7</b>	ug/kg	8.9	2.7	1	11/30/16 09:24	12/01/16 08:59	53-70-3	H2
Fluoranthene	<b>&lt;6.2</b>	ug/kg	20.9	6.2	1	11/30/16 09:24	12/01/16 08:59	206-44-0	H2
Fluorene	<b>&lt;5.0</b>	ug/kg	16.6	5.0	1	11/30/16 09:24	12/01/16 08:59	86-73-7	H2
Indeno(1,2,3-cd)pyrene	<b>&lt;2.6</b>	ug/kg	8.8	2.6	1	11/30/16 09:24	12/01/16 08:59	193-39-5	H2
1-Methylnaphthalene	<b>&lt;4.8</b>	ug/kg	16.1	4.8	1	11/30/16 09:24	12/01/16 08:59	90-12-0	H2
2-Methylnaphthalene	<b>&lt;6.0</b>	ug/kg	20.0	6.0	1	11/30/16 09:24	12/01/16 08:59	91-57-6	H2,L2
Naphthalene	<b>&lt;10.1</b>	ug/kg	33.7	10.1	1	11/30/16 09:24	12/01/16 08:59	91-20-3	1q,H2
Phenanthrene	<b>&lt;14.0</b>	ug/kg	46.5	14.0	1	11/30/16 09:24	12/01/16 08:59	85-01-8	H2
Pyrene	<b>&lt;5.4</b>	ug/kg	18.0	5.4	1	11/30/16 09:24	12/01/16 08:59	129-00-0	H2
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	75	%	26-130		1	11/30/16 09:24	12/01/16 08:59	321-60-8	
Terphenyl-d14 (S)	88	%	10-130		1	11/30/16 09:24	12/01/16 08:59	1718-51-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>16.6</b>	%	0.10	0.10	1		10/28/16 14:53		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

**Sample: B-6 (14-16')**      **Lab ID: 40140826003**      Collected: 10/25/16 11:35      Received: 10/26/16 09:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<b>1.4J</b>	mg/kg	5.6	1.2	1	12/07/16 15:48	12/08/16 13:10	7440-38-2	
Lead	<b>1.8</b>	mg/kg	1.5	0.49	1	12/07/16 15:48	12/08/16 13:10	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<b>&lt;4.6</b>	ug/kg	15.2	4.6	1	11/30/16 09:24	12/01/16 09:16	83-32-9	H2
Acenaphthylene	<b>&lt;3.9</b>	ug/kg	13.0	3.9	1	11/30/16 09:24	12/01/16 09:16	208-96-8	H2
Anthracene	<b>&lt;6.7</b>	ug/kg	22.4	6.7	1	11/30/16 09:24	12/01/16 09:16	120-12-7	H2
Benzo(a)anthracene	<b>&lt;3.7</b>	ug/kg	12.5	3.7	1	11/30/16 09:24	12/01/16 09:16	56-55-3	H2
Benzo(a)pyrene	<b>&lt;3.0</b>	ug/kg	9.9	3.0	1	11/30/16 09:24	12/01/16 09:16	50-32-8	H2
Benzo(b)fluoranthene	<b>&lt;3.3</b>	ug/kg	11.1	3.3	1	11/30/16 09:24	12/01/16 09:16	205-99-2	H2
Benzo(g,h,i)perylene	<b>&lt;2.4</b>	ug/kg	8.0	2.4	1	11/30/16 09:24	12/01/16 09:16	191-24-2	H2
Benzo(k)fluoranthene	<b>&lt;3.0</b>	ug/kg	9.9	3.0	1	11/30/16 09:24	12/01/16 09:16	207-08-9	H2
Chrysene	<b>&lt;4.0</b>	ug/kg	13.2	4.0	1	11/30/16 09:24	12/01/16 09:16	218-01-9	H2
Dibenz(a,h)anthracene	<b>&lt;2.6</b>	ug/kg	8.8	2.6	1	11/30/16 09:24	12/01/16 09:16	53-70-3	H2
Fluoranthene	<b>&lt;6.1</b>	ug/kg	20.5	6.1	1	11/30/16 09:24	12/01/16 09:16	206-44-0	H2
Fluorene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	11/30/16 09:24	12/01/16 09:16	86-73-7	H2
Indeno(1,2,3-cd)pyrene	<b>&lt;2.6</b>	ug/kg	8.6	2.6	1	11/30/16 09:24	12/01/16 09:16	193-39-5	H2
1-Methylnaphthalene	<b>&lt;4.7</b>	ug/kg	15.8	4.7	1	11/30/16 09:24	12/01/16 09:16	90-12-0	H2
2-Methylnaphthalene	<b>&lt;5.9</b>	ug/kg	19.7	5.9	1	11/30/16 09:24	12/01/16 09:16	91-57-6	H2,L2
Naphthalene	<b>&lt;9.9</b>	ug/kg	33.1	9.9	1	11/30/16 09:24	12/01/16 09:16	91-20-3	1q,H2
Phenanthrene	<b>&lt;13.7</b>	ug/kg	45.8	13.7	1	11/30/16 09:24	12/01/16 09:16	85-01-8	H2
Pyrene	<b>&lt;5.3</b>	ug/kg	17.7	5.3	1	11/30/16 09:24	12/01/16 09:16	129-00-0	H2
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	76	%	26-130		1	11/30/16 09:24	12/01/16 09:16	321-60-8	
Terphenyl-d14 (S)	89	%	10-130		1	11/30/16 09:24	12/01/16 09:16	1718-51-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>15.2</b>	%	0.10	0.10	1		10/28/16 14:53		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

**Sample: B-8 (12-14')**      **Lab ID: 40140679004**      Collected: 10/21/16 14:40      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>3.1J</b>	mg/kg	5.3	1.1	1	12/07/16 15:48	12/08/16 13:00	7440-38-2	
Lead	<b>3.5</b>	mg/kg	1.4	0.46	1	12/07/16 15:48	12/08/16 13:00	7439-92-1	
Selenium	<b>&lt;1.2</b>	mg/kg	5.3	1.2	1	12/07/16 15:48	12/08/16 13:00	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.039</b>	mg/kg	0.13	0.039	1	10/25/16 08:24	10/25/16 13:10	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.3</b>	ug/kg	14.2	4.3	1	10/24/16 09:38	10/26/16 10:15	83-32-9	
Acenaphthylene	<b>&lt;3.6</b>	ug/kg	12.1	3.6	1	10/24/16 09:38	10/26/16 10:15	208-96-8	
Anthracene	<b>8.3J</b>	ug/kg	20.9	6.3	1	10/24/16 09:38	10/26/16 10:15	120-12-7	
Benzo(a)anthracene	<b>9.0J</b>	ug/kg	11.7	3.5	1	10/24/16 09:38	10/26/16 10:15	56-55-3	
Benzo(a)pyrene	<b>7.1J</b>	ug/kg	9.2	2.8	1	10/24/16 09:38	10/26/16 10:15	50-32-8	
Benzo(b)fluoranthene	<b>9.5J</b>	ug/kg	10.3	3.1	1	10/24/16 09:38	10/26/16 10:15	205-99-2	
Benzo(g,h,i)perylene	<b>4.7J</b>	ug/kg	7.4	2.2	1	10/24/16 09:38	10/26/16 10:15	191-24-2	
Benzo(k)fluoranthene	<b>4.8J</b>	ug/kg	9.2	2.8	1	10/24/16 09:38	10/26/16 10:15	207-08-9	
Chrysene	<b>11.4J</b>	ug/kg	12.3	3.7	1	10/24/16 09:38	10/26/16 10:15	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.5</b>	ug/kg	8.2	2.5	1	10/24/16 09:38	10/26/16 10:15	53-70-3	
Fluoranthene	<b>21.0</b>	ug/kg	19.1	5.7	1	10/24/16 09:38	10/26/16 10:15	206-44-0	
Fluorene	<b>&lt;4.6</b>	ug/kg	15.2	4.6	1	10/24/16 09:38	10/26/16 10:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>3.8J</b>	ug/kg	8.1	2.4	1	10/24/16 09:38	10/26/16 10:15	193-39-5	
1-Methylnaphthalene	<b>5.5J</b>	ug/kg	14.7	4.4	1	10/24/16 09:38	10/26/16 10:15	90-12-0	
2-Methylnaphthalene	<b>8.2J</b>	ug/kg	18.4	5.5	1	10/24/16 09:38	10/26/16 10:15	91-57-6	
Naphthalene	<b>&lt;9.3</b>	ug/kg	30.9	9.3	1	10/24/16 09:38	10/26/16 10:15	91-20-3	
Phenanthrene	<b>24.0J</b>	ug/kg	42.7	12.8	1	10/24/16 09:38	10/26/16 10:15	85-01-8	
Pyrene	<b>17.2</b>	ug/kg	16.5	5.0	1	10/24/16 09:38	10/26/16 10:15	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	73	%	26-130		1	10/24/16 09:38	10/26/16 10:15	321-60-8	
Terphenyl-d14 (S)	80	%	10-130		1	10/24/16 09:38	10/26/16 10:15	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 16:21	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 16:21	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 16:21	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	74-87-3	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Sample: B-8 (12-14') Lab ID: 40140679004 Collected: 10/21/16 14:40 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 16:21	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 16:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 16:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:21	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

**Sample: B-8 (12-14')**      **Lab ID: 40140679004**      Collected: 10/21/16 14:40      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 16:21	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	53-165		1	10/24/16 07:45	10/24/16 16:21	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	10/24/16 07:45	10/24/16 16:21	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-138		1	10/24/16 07:45	10/24/16 16:21	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>9.0</b>	%	0.10	0.10	1		10/25/16 12:39		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

**Sample: B-9 (10-12')**      **Lab ID: 40140679005**      Collected: 10/21/16 09:30      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>1.9J</b>	mg/kg	5.0	1.0	1	12/07/16 15:48	12/08/16 13:03	7440-38-2	
Lead	<b>2.7</b>	mg/kg	1.3	0.43	1	12/07/16 15:48	12/08/16 13:03	7439-92-1	
Selenium	<b>&lt;1.1</b>	mg/kg	5.0	1.1	1	12/07/16 15:48	12/08/16 13:03	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>&lt;0.035</b>	mg/kg	0.12	0.035	1	10/25/16 08:24	10/25/16 13:12	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.0</b>	ug/kg	13.2	4.0	1	10/24/16 09:38	10/26/16 10:33	83-32-9	
Acenaphthylene	<b>&lt;3.4</b>	ug/kg	11.3	3.4	1	10/24/16 09:38	10/26/16 10:33	208-96-8	
Anthracene	<b>&lt;5.9</b>	ug/kg	19.5	5.9	1	10/24/16 09:38	10/26/16 10:33	120-12-7	
Benzo(a)anthracene	<b>&lt;3.3</b>	ug/kg	10.9	3.3	1	10/24/16 09:38	10/26/16 10:33	56-55-3	
Benzo(a)pyrene	<b>&lt;2.6</b>	ug/kg	8.6	2.6	1	10/24/16 09:38	10/26/16 10:33	50-32-8	
Benzo(b)fluoranthene	<b>&lt;2.9</b>	ug/kg	9.7	2.9	1	10/24/16 09:38	10/26/16 10:33	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;2.1</b>	ug/kg	6.9	2.1	1	10/24/16 09:38	10/26/16 10:33	191-24-2	
Benzo(k)fluoranthene	<b>&lt;2.6</b>	ug/kg	8.6	2.6	1	10/24/16 09:38	10/26/16 10:33	207-08-9	
Chrysene	<b>3.7J</b>	ug/kg	11.5	3.5	1	10/24/16 09:38	10/26/16 10:33	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;2.3</b>	ug/kg	7.6	2.3	1	10/24/16 09:38	10/26/16 10:33	53-70-3	
Fluoranthene	<b>&lt;5.3</b>	ug/kg	17.9	5.3	1	10/24/16 09:38	10/26/16 10:33	206-44-0	
Fluorene	<b>&lt;4.2</b>	ug/kg	14.2	4.2	1	10/24/16 09:38	10/26/16 10:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;2.3</b>	ug/kg	7.5	2.3	1	10/24/16 09:38	10/26/16 10:33	193-39-5	
1-Methylnaphthalene	<b>&lt;4.1</b>	ug/kg	13.7	4.1	1	10/24/16 09:38	10/26/16 10:33	90-12-0	
2-Methylnaphthalene	<b>&lt;5.1</b>	ug/kg	17.1	5.1	1	10/24/16 09:38	10/26/16 10:33	91-57-6	
Naphthalene	<b>&lt;8.6</b>	ug/kg	28.8	8.6	1	10/24/16 09:38	10/26/16 10:33	91-20-3	
Phenanthrene	<b>&lt;12.0</b>	ug/kg	39.8	12.0	1	10/24/16 09:38	10/26/16 10:33	85-01-8	
Pyrene	<b>&lt;4.6</b>	ug/kg	15.4	4.6	1	10/24/16 09:38	10/26/16 10:33	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	67	%	26-130		1	10/24/16 09:38	10/26/16 10:33	321-60-8	
Terphenyl-d14 (S)	80	%	10-130		1	10/24/16 09:38	10/26/16 10:33	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 16:43	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 16:43	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 16:43	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	74-87-3	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Sample: B-9 (10-12') Lab ID: 40140679005 Collected: 10/21/16 09:30 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 16:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 16:43	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 16:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 16:43	75-01-4	W

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

**Sample: B-9 (10-12')**      **Lab ID: 40140679005**      Collected: 10/21/16 09:30      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 16:43	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	88	%	53-165		1	10/24/16 07:45	10/24/16 16:43	1868-53-7	
Toluene-d8 (S)	91	%	54-163		1	10/24/16 07:45	10/24/16 16:43	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-138		1	10/24/16 07:45	10/24/16 16:43	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>2.5</b>	%	0.10	0.10	1		10/25/16 12:39		

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

**Sample: B-12 (14-16')**      **Lab ID: 40140679007**      Collected: 10/21/16 15:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3050									
Arsenic	<b>7.9</b>	mg/kg	6.7	1.4	1	12/07/16 15:48	12/08/16 13:05	7440-38-2	
Lead	<b>120</b>	mg/kg	1.8	0.58	1	12/07/16 15:48	12/08/16 13:05	7439-92-1	
Selenium	<b>2.0J</b>	mg/kg	6.7	1.5	1	12/07/16 15:48	12/08/16 13:05	7782-49-2	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.84</b>	mg/kg	0.18	0.052	1	10/25/16 08:24	10/25/16 13:17	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<b>112</b>	ug/kg	80.2	24.1	4	10/24/16 09:38	10/26/16 15:24	83-32-9	
Acenaphthylene	<b>232</b>	ug/kg	68.3	20.5	4	10/24/16 09:38	10/26/16 15:24	208-96-8	
Anthracene	<b>395</b>	ug/kg	118	35.5	4	10/24/16 09:38	10/26/16 15:24	120-12-7	
Benzo(a)anthracene	<b>1010</b>	ug/kg	65.9	19.7	4	10/24/16 09:38	10/26/16 15:24	56-55-3	
Benzo(a)pyrene	<b>1300</b>	ug/kg	52.0	15.6	4	10/24/16 09:38	10/26/16 15:24	50-32-8	
Benzo(b)fluoranthene	<b>1190</b>	ug/kg	58.5	17.5	4	10/24/16 09:38	10/26/16 15:24	205-99-2	
Benzo(g,h,i)perylene	<b>691</b>	ug/kg	42.1	12.6	4	10/24/16 09:38	10/26/16 15:24	191-24-2	
Benzo(k)fluoranthene	<b>496</b>	ug/kg	51.9	15.6	4	10/24/16 09:38	10/26/16 15:24	207-08-9	
Chrysene	<b>1060</b>	ug/kg	69.6	21.0	4	10/24/16 09:38	10/26/16 15:24	218-01-9	
Dibenz(a,h)anthracene	<b>169</b>	ug/kg	46.3	13.9	4	10/24/16 09:38	10/26/16 15:24	53-70-3	
Fluoranthene	<b>1480</b>	ug/kg	108	32.4	4	10/24/16 09:38	10/26/16 15:24	206-44-0	
Fluorene	<b>115</b>	ug/kg	85.7	25.7	4	10/24/16 09:38	10/26/16 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>562</b>	ug/kg	45.5	13.7	4	10/24/16 09:38	10/26/16 15:24	193-39-5	
1-Methylnaphthalene	<b>83.0J</b>	ug/kg	83.3	25.0	4	10/24/16 09:38	10/26/16 15:24	90-12-0	
2-Methylnaphthalene	<b>131</b>	ug/kg	104	31.1	4	10/24/16 09:38	10/26/16 15:24	91-57-6	
Naphthalene	<b>438</b>	ug/kg	175	52.3	4	10/24/16 09:38	10/26/16 15:24	91-20-3	
Phenanthrene	<b>851</b>	ug/kg	241	72.4	4	10/24/16 09:38	10/26/16 15:24	85-01-8	
Pyrene	<b>1750</b>	ug/kg	93.2	28.0	4	10/24/16 09:38	10/26/16 15:24	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	26-130		4	10/24/16 09:38	10/26/16 15:24	321-60-8	
Terphenyl-d14 (S)	60	%	10-130		4	10/24/16 09:38	10/26/16 15:24	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	10/24/16 07:45	10/24/16 17:29	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	10/24/16 07:45	10/24/16 17:29	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	10/24/16 07:45	10/24/16 17:29	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	74-87-3	W

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Sample: B-12 (14-16') Lab ID: 40140679007 Collected: 10/21/16 15:50 Received: 10/22/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/24/16 07:45	10/24/16 17:29	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/24/16 07:45	10/24/16 17:29	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	127-18-4	W
Toluene	101	ug/kg	93.2	38.8	1	10/24/16 07:45	10/24/16 17:29	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/24/16 07:45	10/24/16 17:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/24/16 07:45	10/24/16 17:29	75-01-4	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

**Sample: B-12 (14-16')**      **Lab ID: 40140679007**      Collected: 10/21/16 15:50      Received: 10/22/16 07:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Xylene (Total)	<b>&lt;75.0</b>	ug/kg	180	75.0	1	10/24/16 07:45	10/24/16 17:29	1330-20-7	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	76	%	53-165		1	10/24/16 07:45	10/24/16 17:29	1868-53-7	
Toluene-d8 (S)	80	%	54-163		1	10/24/16 07:45	10/24/16 17:29	2037-26-5	
4-Bromofluorobenzene (S)	68	%	48-138		1	10/24/16 07:45	10/24/16 17:29	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>35.6</b>	%	0.10	0.10	1		10/25/16 12:39		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

QC Batch: 239018 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 40140679004, 40140679005, 40140679007

METHOD BLANK: 1416483 Matrix: Solid  
Associated Lab Samples: 40140679004, 40140679005, 40140679007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0050		10/25/16 12:37	

LABORATORY CONTROL SAMPLE: 1416484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.83	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416485 1416486

Parameter	Units	40140677002		40140677002		40140677002		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Mercury	mg/kg	0.044J	.94	.94	1.1	1.0	112	104	85-115	7	20

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

QC Batch: 243559 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 40140679004, 40140679005, 40140679007, 40140826001, 40140826003

METHOD BLANK: 1442641 Matrix: Solid  
Associated Lab Samples: 40140679004, 40140679005, 40140679007, 40140826001, 40140826003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	12/08/16 12:29	
Lead	mg/kg	<0.43	1.3	12/08/16 12:29	
Selenium	mg/kg	<1.1	5.0	12/08/16 12:29	

LABORATORY CONTROL SAMPLE & LCSD: 1442642 1442877

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	50	48.0	48.0	96	96	80-120	0	20	
Lead	mg/kg	50	48.6	49.6	97	99	80-120	2	20	
Selenium	mg/kg	50	49.6	50.0	99	100	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442643 1442644

Parameter	Units	40142893001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	ND	70.2	70.2	72.0	69.3	97	93	75-125	4	20	
Lead	mg/kg	16.3	70.2	70.2	80.3	86.4	91	100	75-125	7	20	
Selenium	mg/kg	ND	70.2	70.2	69.9	69.6	100	99	75-125	1	20	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

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QC Batch: 239057 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 40140679004, 40140679005, 40140679007

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METHOD BLANK: 1416592 Matrix: Solid

Associated Lab Samples: 40140679004, 40140679005, 40140679007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/24/16 09:30	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/24/16 09:30	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/24/16 09:30	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/24/16 09:30	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/24/16 09:30	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/24/16 09:30	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/24/16 09:30	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/24/16 09:30	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/24/16 09:30	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/24/16 09:30	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/24/16 09:30	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/24/16 09:30	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/24/16 09:30	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/24/16 09:30	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/24/16 09:30	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/24/16 09:30	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/24/16 09:30	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/24/16 09:30	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/24/16 09:30	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/24/16 09:30	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/24/16 09:30	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/24/16 09:30	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/24/16 09:30	
Benzene	ug/kg	<9.2	20.0	10/24/16 09:30	
Bromobenzene	ug/kg	<20.6	50.0	10/24/16 09:30	
Bromochloromethane	ug/kg	<21.4	50.0	10/24/16 09:30	
Bromodichloromethane	ug/kg	<9.8	50.0	10/24/16 09:30	
Bromoform	ug/kg	<19.8	50.0	10/24/16 09:30	
Bromomethane	ug/kg	<69.9	250	10/24/16 09:30	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/24/16 09:30	
Chlorobenzene	ug/kg	<14.8	50.0	10/24/16 09:30	
Chloroethane	ug/kg	<67.0	250	10/24/16 09:30	
Chloroform	ug/kg	<46.4	250	10/24/16 09:30	
Chloromethane	ug/kg	<20.4	50.0	10/24/16 09:30	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/24/16 09:30	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/24/16 09:30	
Dibromochloromethane	ug/kg	<17.9	50.0	10/24/16 09:30	
Dibromomethane	ug/kg	<19.3	50.0	10/24/16 09:30	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/24/16 09:30	
Diisopropyl ether	ug/kg	<17.7	50.0	10/24/16 09:30	
Ethylbenzene	ug/kg	<12.4	50.0	10/24/16 09:30	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40140826

METHOD BLANK: 1416592 Matrix: Solid  
Associated Lab Samples: 40140679004, 40140679005, 40140679007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	10/24/16 09:30	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/24/16 09:30	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/24/16 09:30	
Methylene Chloride	ug/kg	<16.2	50.0	10/24/16 09:30	
n-Butylbenzene	ug/kg	<10.5	50.0	10/24/16 09:30	
n-Propylbenzene	ug/kg	<11.6	50.0	10/24/16 09:30	
Naphthalene	ug/kg	<40.0	250	10/24/16 09:30	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/24/16 09:30	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/24/16 09:30	
Styrene	ug/kg	<9.0	50.0	10/24/16 09:30	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/24/16 09:30	
Tetrachloroethene	ug/kg	<12.9	50.0	10/24/16 09:30	
Toluene	ug/kg	<11.2	50.0	10/24/16 09:30	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/24/16 09:30	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/24/16 09:30	
Trichloroethene	ug/kg	<23.6	50.0	10/24/16 09:30	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/24/16 09:30	
Vinyl chloride	ug/kg	<21.1	50.0	10/24/16 09:30	
Xylene (Total)	ug/kg	<48.4	150	10/24/16 09:30	
4-Bromofluorobenzene (S)	%	88	48-138	10/24/16 09:30	
Dibromofluoromethane (S)	%	96	53-165	10/24/16 09:30	
Toluene-d8 (S)	%	99	54-163	10/24/16 09:30	

LABORATORY CONTROL SAMPLE: 1416593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2220	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2490	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2420	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2340	94	70-133	
1,1-Dichloroethene	ug/kg	2500	1900	76	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2230	89	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2020	81	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	93	70-138	
1,2-Dichloropropane	ug/kg	2500	2570	103	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2560	102	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2630	105	70-130	
Bromodichloromethane	ug/kg	2500	2400	96	70-130	
Bromoform	ug/kg	2500	2130	85	68-130	
Bromomethane	ug/kg	2500	1900	76	25-163	
Carbon tetrachloride	ug/kg	2500	2180	87	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

LABORATORY CONTROL SAMPLE: 1416593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2540	102	70-130	
Chloroethane	ug/kg	2500	2150	86	34-151	
Chloroform	ug/kg	2500	2380	95	70-130	
Chloromethane	ug/kg	2500	1780	71	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2360	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Dibromochloromethane	ug/kg	2500	2310	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1080	43	27-150	
Ethylbenzene	ug/kg	2500	2480	99	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2610	104	70-130	
Methylene Chloride	ug/kg	2500	2050	82	70-131	
Styrene	ug/kg	2500	2530	101	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2570	103	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2210	88	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2340	94	70-130	
Trichloroethene	ug/kg	2500	2320	93	70-130	
Trichlorofluoromethane	ug/kg	2500	1950	78	50-150	
Vinyl chloride	ug/kg	2500	1980	79	57-130	
Xylene (Total)	ug/kg	7500	7700	103	70-130	
4-Bromofluorobenzene (S)	%			91	48-138	
Dibromofluoromethane (S)	%			100	53-165	
Toluene-d8 (S)	%			100	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416594 1416595

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140679003	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1520	1520	1200	1230	78	81	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1520	1520	1670	1430	109	94	70-130	15	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1520	1520	1380	1430	91	94	70-130	3	20		
1,1-Dichloroethane	ug/kg	<25.0	1520	1520	1350	1300	89	86	64-133	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1520	1520	1030	1060	68	69	56-130	3	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1520	1520	1540	1440	101	95	70-130	7	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1520	1520	1300	1160	85	76	50-150	12	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1520	1520	1510	1510	99	99	70-130	0	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1520	1520	1650	1500	108	99	70-130	9	20		
1,2-Dichloroethane	ug/kg	<25.0	1520	1520	1410	1360	93	89	70-138	4	20		
1,2-Dichloropropane	ug/kg	<25.0	1520	1520	1510	1460	99	96	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1520	1520	1680	1510	110	99	70-130	11	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1520	1520	1650	1490	108	98	70-130	10	20		
Benzene	ug/kg	<25.0	1520	1520	1530	1540	100	101	70-130	0	20		
Bromodichloromethane	ug/kg	<25.0	1520	1520	1360	1370	89	90	70-130	1	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Parameter	Units	40140679003		1416594		1416595		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Bromoform	ug/kg	<25.0	1520	1520	1330	1300	87	85	65-130	3	20		
Bromomethane	ug/kg	<69.9	1520	1520	1140	1160	75	76	11-163	2	21		
Carbon tetrachloride	ug/kg	<25.0	1520	1520	1200	1150	79	75	70-130	4	20		
Chlorobenzene	ug/kg	<25.0	1520	1520	1500	1480	99	97	70-130	2	20		
Chloroethane	ug/kg	<67.0	1520	1520	1100	1120	72	73	17-151	2	20		
Chloroform	ug/kg	<46.4	1520	1520	1420	1400	93	92	70-130	1	20		
Chloromethane	ug/kg	<25.0	1520	1520	871	887	57	58	13-130	2	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1520	1520	1450	1410	95	92	70-130	3	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1520	1520	1400	1380	92	91	70-130	1	20		
Dibromochloromethane	ug/kg	<25.0	1520	1520	1360	1350	89	89	70-130	1	20		
Dichlorodifluoromethane	ug/kg	<25.0	1520	1520	571	558	37	37	10-150	2	21		
Ethylbenzene	ug/kg	<25.0	1520	1520	1370	1380	90	91	70-130	1	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1520	1520	1440	1410	94	93	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1520	1520	1540	1480	101	97	70-130	4	20		
Methylene Chloride	ug/kg	<25.0	1520	1520	1250	1220	82	80	70-131	3	20		
Styrene	ug/kg	<25.0	1520	1520	1480	1440	97	95	70-130	3	20		
Tetrachloroethene	ug/kg	<25.0	1520	1520	1270	1310	84	86	70-130	2	20		
Toluene	ug/kg	<25.0	1520	1520	1470	1480	96	96	70-130	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1520	1520	1230	1230	80	81	70-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1520	1520	1380	1360	91	89	70-130	2	20		
Trichloroethene	ug/kg	<25.0	1520	1520	1300	1310	85	86	70-130	1	20		
Trichlorofluoromethane	ug/kg	<25.0	1520	1520	1080	1030	71	68	40-150	5	31		
Vinyl chloride	ug/kg	<25.0	1520	1520	1060	1050	69	69	26-130	1	20		
Xylene (Total)	ug/kg	<75.0	4570	4570	4420	4440	96	97	70-130	0	20		
4-Bromofluorobenzene (S)	%						85	81	48-138				
Dibromofluoromethane (S)	%						95	94	53-165				
Toluene-d8 (S)	%						93	91	54-163				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

QC Batch: 239016 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40140679004, 40140679005, 40140679007

METHOD BLANK: 1416452 Matrix: Solid

Associated Lab Samples: 40140679004, 40140679005, 40140679007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	10/25/16 14:11	
2-Methylnaphthalene	ug/kg	<5.0	16.7	10/25/16 14:11	
Acenaphthene	ug/kg	<3.9	12.9	10/25/16 14:11	
Acenaphthylene	ug/kg	<3.3	11.0	10/25/16 14:11	
Anthracene	ug/kg	<5.7	19.0	10/25/16 14:11	
Benzo(a)anthracene	ug/kg	<3.2	10.6	10/25/16 14:11	
Benzo(a)pyrene	ug/kg	<2.5	8.4	10/25/16 14:11	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	10/25/16 14:11	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	10/25/16 14:11	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	10/25/16 14:11	
Chrysene	ug/kg	<3.4	11.2	10/25/16 14:11	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	10/25/16 14:11	
Fluoranthene	ug/kg	<5.2	17.4	10/25/16 14:11	
Fluorene	ug/kg	<4.1	13.8	10/25/16 14:11	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	10/25/16 14:11	
Naphthalene	ug/kg	<8.4	28.1	10/25/16 14:11	
Phenanthrene	ug/kg	<11.6	38.8	10/25/16 14:11	
Pyrene	ug/kg	<4.5	15.0	10/25/16 14:11	
2-Fluorobiphenyl (S)	%	73	26-130	10/25/16 14:11	
Terphenyl-d14 (S)	%	92	10-130	10/25/16 14:11	

LABORATORY CONTROL SAMPLE: 1416453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	254	76	48-130	
2-Methylnaphthalene	ug/kg	333	243	73	49-130	
Acenaphthene	ug/kg	333	250	75	54-130	
Acenaphthylene	ug/kg	333	246	74	56-130	
Anthracene	ug/kg	333	320	96	70-130	
Benzo(a)anthracene	ug/kg	333	264	79	58-130	
Benzo(a)pyrene	ug/kg	333	331	99	58-130	
Benzo(b)fluoranthene	ug/kg	333	308	92	50-130	
Benzo(g,h,i)perylene	ug/kg	333	217	65	39-130	
Benzo(k)fluoranthene	ug/kg	333	361	108	57-130	
Chrysene	ug/kg	333	354	106	64-130	
Dibenz(a,h)anthracene	ug/kg	333	265	79	44-130	
Fluoranthene	ug/kg	333	312	94	59-130	
Fluorene	ug/kg	333	257	77	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	267	80	45-130	
Naphthalene	ug/kg	333	232	70	46-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

LABORATORY CONTROL SAMPLE: 1416453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	300	90	56-130	
Pyrene	ug/kg	333	307	92	59-130	
2-Fluorobiphenyl (S)	%			75	26-130	
Terphenyl-d14 (S)	%			92	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416454 1416455

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40140679003 Result	Spike Conc.	Spike Conc.	Result								
1-Methylnaphthalene	ug/kg	<4.9	406	406	319	291	79	72	41-130	9	24		
2-Methylnaphthalene	ug/kg	<6.1	406	406	310	280	76	69	42-130	10	25		
Acenaphthene	ug/kg	<4.7	406	406	292	261	72	64	49-130	11	27		
Acenaphthylene	ug/kg	<4.0	406	406	294	261	72	64	52-130	12	26		
Anthracene	ug/kg	<7.0	406	406	343	301	84	74	61-130	13	29		
Benzo(a)anthracene	ug/kg	<3.9	406	406	295	269	72	65	45-130	9	28		
Benzo(a)pyrene	ug/kg	<3.1	406	406	337	305	83	75	39-130	10	34		
Benzo(b)fluoranthene	ug/kg	<3.4	406	406	344	322	84	79	30-130	6	43		
Benzo(g,h,i)perylene	ug/kg	<2.5	406	406	156	125	38	31	24-130	22	34		
Benzo(k)fluoranthene	ug/kg	<3.1	406	406	404	358	99	88	41-130	12	32		
Chrysene	ug/kg	4.8J	406	406	360	315	87	76	46-130	13	37		
Dibenz(a,h)anthracene	ug/kg	<2.7	406	406	207	174	51	43	33-130	17	34		
Fluoranthene	ug/kg	<6.4	406	406	328	294	80	72	41-130	11	25		
Fluorene	ug/kg	<5.0	406	406	293	263	72	65	49-130	11	30		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.7	406	406	199	165	49	41	30-130	19	28		
Naphthalene	ug/kg	<10.3	406	406	301	274	74	67	39-130	9	26		
Phenanthrene	ug/kg	<14.2	406	406	329	293	80	71	47-130	12	26		
Pyrene	ug/kg	<5.5	406	406	333	301	81	74	37-130	10	30		
2-Fluorobiphenyl (S)	%						72	63	26-130				
Terphenyl-d14 (S)	%						80	72	10-130				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

QC Batch: 242789 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40140826001, 40140826003

METHOD BLANK: 1438523 Matrix: Solid

Associated Lab Samples: 40140826001, 40140826003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/30/16 16:13	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/30/16 16:13	
Acenaphthene	ug/kg	<3.9	12.9	11/30/16 16:13	
Acenaphthylene	ug/kg	<3.3	11.0	11/30/16 16:13	
Anthracene	ug/kg	<5.7	19.0	11/30/16 16:13	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/30/16 16:13	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/30/16 16:13	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/30/16 16:13	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/30/16 16:13	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/30/16 16:13	
Chrysene	ug/kg	<3.4	11.2	11/30/16 16:13	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/30/16 16:13	
Fluoranthene	ug/kg	<5.2	17.4	11/30/16 16:13	
Fluorene	ug/kg	<4.1	13.8	11/30/16 16:13	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/30/16 16:13	
Naphthalene	ug/kg	<8.4	28.1	11/30/16 16:13	
Phenanthrene	ug/kg	<11.6	38.8	11/30/16 16:13	
Pyrene	ug/kg	<4.5	15.0	11/30/16 16:13	
2-Fluorobiphenyl (S)	%	72	26-130	11/30/16 16:13	
Terphenyl-d14 (S)	%	96	10-130	11/30/16 16:13	

LABORATORY CONTROL SAMPLE: 1438524

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	191	57	48-130	
2-Methylnaphthalene	ug/kg	333	158	47	49-130	L0
Acenaphthene	ug/kg	333	233	70	54-130	
Acenaphthylene	ug/kg	333	211	63	56-130	
Anthracene	ug/kg	333	245	74	70-130	
Benzo(a)anthracene	ug/kg	333	220	66	58-130	
Benzo(a)pyrene	ug/kg	333	300	90	58-130	
Benzo(b)fluoranthene	ug/kg	333	297	89	50-130	
Benzo(g,h,i)perylene	ug/kg	333	286	86	39-130	
Benzo(k)fluoranthene	ug/kg	333	412	124	57-130	
Chrysene	ug/kg	333	351	105	64-130	
Dibenz(a,h)anthracene	ug/kg	333	312	94	44-130	
Fluoranthene	ug/kg	333	257	77	59-130	
Fluorene	ug/kg	333	240	72	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	280	84	45-130	
Naphthalene	ug/kg	333	197	59	46-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

LABORATORY CONTROL SAMPLE: 1438524

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	236	71	56-130	
Pyrene	ug/kg	333	237	71	59-130	
2-Fluorobiphenyl (S)	%			69	26-130	
Terphenyl-d14 (S)	%			91	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438525 1438526

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40142438008 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	5.1J	378	378	378	220	264	57	68	41-130	18	24	
2-Methylnaphthalene	ug/kg	<5.7	378	378	378	199	244	51	63	42-130	21	25	
Acenaphthene	ug/kg	<4.4	378	378	378	230	284	61	75	49-130	21	27	
Acenaphthylene	ug/kg	<3.7	378	378	378	219	269	58	71	52-130	20	26	
Anthracene	ug/kg	<6.5	378	378	378	231	294	61	78	61-130	24	29	
Benzo(a)anthracene	ug/kg	4.0J	378	378	378	200	256	52	67	45-130	25	28	
Benzo(a)pyrene	ug/kg	<2.9	378	378	378	176	255	46	67	39-130	37	34	R1
Benzo(b)fluoranthene	ug/kg	9.7J	378	378	378	193	269	49	68	30-130	33	43	
Benzo(g,h,i)perylene	ug/kg	5.4J	378	378	378	253	317	65	82	24-130	22	34	
Benzo(k)fluoranthene	ug/kg	4.7J	378	378	378	277	340	72	89	41-130	20	32	
Chrysene	ug/kg	12.4J	378	378	378	290	360	73	92	46-130	22	37	
Dibenz(a,h)anthracene	ug/kg	<2.5	378	378	378	250	320	66	85	33-130	25	34	
Fluoranthene	ug/kg	11.0J	378	378	378	229	290	58	74	41-130	24	25	
Fluorene	ug/kg	<4.7	378	378	378	228	287	60	76	49-130	23	30	
Indeno(1,2,3-cd)pyrene	ug/kg	3.9J	378	378	378	230	293	60	76	30-130	24	28	
Naphthalene	ug/kg	<9.6	378	378	378	206	240	53	62	39-130	16	26	
Phenanthrene	ug/kg	<13.2	378	378	378	220	272	56	70	47-130	21	26	
Pyrene	ug/kg	6.3J	378	378	378	212	272	54	70	37-130	25	30	
2-Fluorobiphenyl (S)	%							61	73	26-130			
Terphenyl-d14 (S)	%							64	85	10-130			

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

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QC Batch:	239683	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40140826001, 40140826003		

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SAMPLE DUPLICATE: 1419965

Parameter	Units	40140819002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.5	18.9	2	10	

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### WORKORDER QUALIFIERS

WO: 40140826

[1] PAH was requested for B-3 and B-6 after the holding time had expired.

### ANALYTE QUALIFIERS

1q Analysis was requested on sample past sample hold time.

H2 Extraction or preparation was conducted outside of the recognized method holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40140826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40140679004	B-8 (12-14')	EPA 3050	243559	EPA 6010	243642
40140679005	B-9 (10-12')	EPA 3050	243559	EPA 6010	243642
40140679007	B-12 (14-16')	EPA 3050	243559	EPA 6010	243642
40140826001	B-3 (14-18')	EPA 3050	243559	EPA 6010	243642
40140826003	B-6 (14-16')	EPA 3050	243559	EPA 6010	243642
40140679004	B-8 (12-14')	EPA 7471	239018	EPA 7471	239168
40140679005	B-9 (10-12')	EPA 7471	239018	EPA 7471	239168
40140679007	B-12 (14-16')	EPA 7471	239018	EPA 7471	239168
40140679004	B-8 (12-14')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679005	B-9 (10-12')	EPA 3546	239016	EPA 8270 by SIM	239196
40140679007	B-12 (14-16')	EPA 3546	239016	EPA 8270 by SIM	239196
40140826001	B-3 (14-18')	EPA 3546	242789	EPA 8270 by SIM	242846
40140826003	B-6 (14-16')	EPA 3546	242789	EPA 8270 by SIM	242846
40140679004	B-8 (12-14')	EPA 5035/5030B	239057	EPA 8260	239059
40140679005	B-9 (10-12')	EPA 5035/5030B	239057	EPA 8260	239059
40140679007	B-12 (14-16')	EPA 5035/5030B	239057	EPA 8260	239059
40140679004	B-8 (12-14')	ASTM D2974-87	239225		
40140679005	B-9 (10-12')	ASTM D2974-87	239225		
40140679007	B-12 (14-16')	ASTM D2974-87	239225		
40140826001	B-3 (14-18')	ASTM D2974-87	239683		
40140826003	B-6 (14-16')	ASTM D2974-87	239683		

### REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project #:

WO#: 40140826



Client Name: Giles Eng.

Courier:  Fed Ex  UPS  Client  Pace Other: CS Logistics

Tracking #: 1885.102516

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: NA Type of Ice: Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT /Corr: --- Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 10/26/16  
Initials: BT

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>cool depth on IDs is (16-18) ood 1-40mlUF no depth in ID</u> <u>BT 10/26/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #/ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:  If checked, see attached form for additional comments  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AmH for DM Date: 10/26/16





Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project #: **WO#: 40140679**

Client Name: Giles Eng.

Courier:  Fed Ex  UPS  Client  Pace Other: CS Logistics  
Tracking #: 1910.102116



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT /Corr: - Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no

Person examining contents:  
Date: 10/22/16  
Initials: BIT

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>typed only BIT 10/22/16</u>
Sample Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>001 time 1325</u> <u>005 1-4oz bag<sup>A</sup> no depth in ID + no collect time</u>
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	<u>BIT 10/22/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:  If checked, see attached form for additional comments  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AMH for DM Date: 10/22/16

## **APPENDIX D**

### **Groundwater Analytical Laboratory Reports & Chain-of-Custody Documentation**

November 07, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141215

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for  
Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141215001	TWB-1	Water	11/01/16 13:40	11/02/16 08:05
40141215002	TWB-5	Water	11/01/16 12:30	11/02/16 08:05
40141215003	TWB-7	Water	11/01/16 12:05	11/02/16 08:05
40141215004	TWB-10	Water	11/01/16 10:50	11/02/16 08:05
40141215005	TWB-11	Water	11/01/16 13:10	11/02/16 08:05
40141215006	TWB-13	Water	11/01/16 11:35	11/02/16 08:05
40141215007	TWB-14	Water	11/01/16 11:10	11/02/16 08:05
40141215008	MW-3	Water	11/01/16 14:55	11/02/16 08:05

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141215

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141215001	TWB-1	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215002	TWB-5	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215003	TWB-7	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215004	TWB-10	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215005	TWB-11	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215006	TWB-13	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215007	TWB-14	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G
40141215008	MW-3	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	63	PASI-G

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40141215001</b>	<b>TWB-1</b>					
EPA 8270 by HVI	Anthracene	0.025J	ug/L	0.049	11/04/16 14:42	
EPA 8270 by HVI	Benzo(a)anthracene	0.021J	ug/L	0.036	11/04/16 14:42	
EPA 8270 by HVI	Benzo(a)pyrene	0.028J	ug/L	0.050	11/04/16 14:42	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.030	ug/L	0.027	11/04/16 14:42	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.025J	ug/L	0.032	11/04/16 14:42	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.023J	ug/L	0.036	11/04/16 14:42	
EPA 8270 by HVI	Chrysene	0.043J	ug/L	0.062	11/04/16 14:42	
EPA 8270 by HVI	Fluoranthene	0.057	ug/L	0.050	11/04/16 14:42	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.019J	ug/L	0.083	11/04/16 14:42	
EPA 8270 by HVI	2-Methylnaphthalene	0.0062J	ug/L	0.023	11/04/16 14:42	
EPA 8270 by HVI	Phenanthrene	0.033J	ug/L	0.065	11/04/16 14:42	
EPA 8270 by HVI	Pyrene	0.059	ug/L	0.036	11/04/16 14:42	
<b>40141215002</b>	<b>TWB-5</b>					
EPA 8270 by HVI	Naphthalene	0.018J	ug/L	0.086	11/04/16 14:58	
<b>40141215003</b>	<b>TWB-7</b>					
EPA 6010	Arsenic	9.0J	ug/L	25.0	11/04/16 09:35	
<b>40141215004</b>	<b>TWB-10</b>					
EPA 8270 by HVI	Anthracene	0.014J	ug/L	0.048	11/04/16 15:31	
EPA 8270 by HVI	Benzo(a)anthracene	0.021J	ug/L	0.034	11/04/16 15:31	
EPA 8270 by HVI	Benzo(a)pyrene	0.017J	ug/L	0.048	11/04/16 15:31	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.018J	ug/L	0.026	11/04/16 15:31	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.019J	ug/L	0.031	11/04/16 15:31	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.015J	ug/L	0.034	11/04/16 15:31	
EPA 8270 by HVI	Chrysene	0.018J	ug/L	0.059	11/04/16 15:31	
EPA 8270 by HVI	Fluoranthene	0.047J	ug/L	0.048	11/04/16 15:31	
EPA 8270 by HVI	Phenanthrene	0.030J	ug/L	0.063	11/04/16 15:31	
EPA 8270 by HVI	Pyrene	0.049	ug/L	0.035	11/04/16 15:31	
EPA 8260	p-Isopropyltoluene	2.2	ug/L	1.0	11/04/16 16:09	
EPA 8260	Toluene	2.0	ug/L	1.0	11/04/16 16:09	
<b>40141215005</b>	<b>TWB-11</b>					
EPA 6010	Arsenic	10.1J	ug/L	25.0	11/04/16 09:40	
<b>40141215006</b>	<b>TWB-13</b>					
EPA 6010	Lead	5.1J	ug/L	13.0	11/04/16 09:42	
EPA 8270 by HVI	Acenaphthene	0.059	ug/L	0.030	11/04/16 20:25	
EPA 8270 by HVI	Anthracene	0.021J	ug/L	0.052	11/04/16 20:25	
EPA 8270 by HVI	Fluoranthene	0.028J	ug/L	0.053	11/04/16 20:25	
EPA 8270 by HVI	Fluorene	0.034J	ug/L	0.040	11/04/16 20:25	
EPA 8270 by HVI	1-Methylnaphthalene	0.014J	ug/L	0.030	11/04/16 20:25	
EPA 8270 by HVI	2-Methylnaphthalene	0.0060J	ug/L	0.024	11/04/16 20:25	
EPA 8270 by HVI	Naphthalene	0.051J	ug/L	0.092	11/04/16 20:25	
EPA 8270 by HVI	Phenanthrene	0.10	ug/L	0.069	11/04/16 20:25	
EPA 8270 by HVI	Pyrene	0.021J	ug/L	0.038	11/04/16 20:25	
<b>40141215008</b>	<b>MW-3</b>					
EPA 8270 by HVI	Benzo(b)fluoranthene	0.014J	ug/L	0.027	11/04/16 16:37	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40141215008</b>	<b>MW-3</b>					
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.0093J	ug/L	0.032	11/04/16 16:37	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.0078J	ug/L	0.036	11/04/16 16:37	
EPA 8270 by HVI	Chrysene	0.022J	ug/L	0.062	11/04/16 16:37	
EPA 8270 by HVI	Fluoranthene	0.029J	ug/L	0.050	11/04/16 16:37	
EPA 8270 by HVI	2-Methylnaphthalene	0.0056J	ug/L	0.023	11/04/16 16:37	
EPA 8270 by HVI	Phenanthrene	0.018J	ug/L	0.065	11/04/16 16:37	
EPA 8270 by HVI	Pyrene	0.033J	ug/L	0.036	11/04/16 16:37	
EPA 8260	Toluene	0.77J	ug/L	1.0	11/04/16 17:37	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample:** TWB-1      **Lab ID:** 40141215001      Collected: 11/01/16 13:40      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:30	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:30	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI    Preparation Method: EPA 3510							
Acenaphthene	<0.0057	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 14:42	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	11/03/16 12:30	11/04/16 14:42	208-96-8	
Anthracene	0.025J	ug/L	0.049	0.0099	1	11/03/16 12:30	11/04/16 14:42	120-12-7	
Benzo(a)anthracene	0.021J	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 14:42	56-55-3	
Benzo(a)pyrene	0.028J	ug/L	0.050	0.0099	1	11/03/16 12:30	11/04/16 14:42	50-32-8	
Benzo(b)fluoranthene	0.030	ug/L	0.027	0.0054	1	11/03/16 12:30	11/04/16 14:42	205-99-2	
Benzo(g,h,i)perylene	0.025J	ug/L	0.032	0.0064	1	11/03/16 12:30	11/04/16 14:42	191-24-2	
Benzo(k)fluoranthene	0.023J	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 14:42	207-08-9	
Chrysene	0.043J	ug/L	0.062	0.012	1	11/03/16 12:30	11/04/16 14:42	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.047	0.0095	1	11/03/16 12:30	11/04/16 14:42	53-70-3	
Fluoranthene	0.057	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 14:42	206-44-0	
Fluorene	<0.0075	ug/L	0.038	0.0075	1	11/03/16 12:30	11/04/16 14:42	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019J	ug/L	0.083	0.017	1	11/03/16 12:30	11/04/16 14:42	193-39-5	
1-Methylnaphthalene	<0.0056	ug/L	0.028	0.0056	1	11/03/16 12:30	11/04/16 14:42	90-12-0	
2-Methylnaphthalene	0.0062J	ug/L	0.023	0.0046	1	11/03/16 12:30	11/04/16 14:42	91-57-6	
Naphthalene	<0.017	ug/L	0.086	0.017	1	11/03/16 12:30	11/04/16 14:42	91-20-3	
Phenanthrene	0.033J	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 14:42	85-01-8	
Pyrene	0.059	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 14:42	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	25-130		1	11/03/16 12:30	11/04/16 14:42	321-60-8	
Terphenyl-d14 (S)	47	%	13-158		1	11/03/16 12:30	11/04/16 14:42	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:04	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 15:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 15:04	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:04	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 15:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 15:04	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 15:04	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 15:04	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 15:04	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 15:04	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample:** TWB-1      **Lab ID:** 40141215001      Collected: 11/01/16 13:40      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 15:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 15:04	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 15:04	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 15:04	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 15:04	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:04	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:04	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 15:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 15:04	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 15:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:04	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:04	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 15:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 15:04	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 15:04	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 15:04	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:04	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 15:04	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:04	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 15:04	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 15:04	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:04	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 15:04	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 15:04	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/04/16 15:04	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		11/04/16 15:04	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/04/16 15:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-5**      **Lab ID: 40141215002**      Collected: 11/01/16 12:30      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:32	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:32	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI    Preparation Method: EPA 3510							
Acenaphthene	<0.0057	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 14:58	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	11/03/16 12:30	11/04/16 14:58	208-96-8	
Anthracene	<0.0099	ug/L	0.049	0.0099	1	11/03/16 12:30	11/04/16 14:58	120-12-7	
Benzo(a)anthracene	<0.0071	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 14:58	56-55-3	
Benzo(a)pyrene	<0.0099	ug/L	0.050	0.0099	1	11/03/16 12:30	11/04/16 14:58	50-32-8	
Benzo(b)fluoranthene	<0.0054	ug/L	0.027	0.0054	1	11/03/16 12:30	11/04/16 14:58	205-99-2	
Benzo(g,h,i)perylene	<0.0064	ug/L	0.032	0.0064	1	11/03/16 12:30	11/04/16 14:58	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 14:58	207-08-9	
Chrysene	<0.012	ug/L	0.062	0.012	1	11/03/16 12:30	11/04/16 14:58	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.047	0.0095	1	11/03/16 12:30	11/04/16 14:58	53-70-3	
Fluoranthene	<0.010	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 14:58	206-44-0	
Fluorene	<0.0075	ug/L	0.038	0.0075	1	11/03/16 12:30	11/04/16 14:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.083	0.017	1	11/03/16 12:30	11/04/16 14:58	193-39-5	
1-Methylnaphthalene	<0.0056	ug/L	0.028	0.0056	1	11/03/16 12:30	11/04/16 14:58	90-12-0	
2-Methylnaphthalene	<0.0046	ug/L	0.023	0.0046	1	11/03/16 12:30	11/04/16 14:58	91-57-6	
Naphthalene	0.018J	ug/L	0.086	0.017	1	11/03/16 12:30	11/04/16 14:58	91-20-3	
Phenanthrene	<0.013	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 14:58	85-01-8	
Pyrene	<0.0072	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 14:58	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	25-130		1	11/03/16 12:30	11/04/16 14:58	321-60-8	
Terphenyl-d14 (S)	95	%	13-158		1	11/03/16 12:30	11/04/16 14:58	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 15:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 15:25	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 15:25	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 15:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 15:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 15:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 15:25	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 15:25	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample:** TWB-5      **Lab ID:** 40141215002      Collected: 11/01/16 12:30      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 15:25	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 15:25	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 15:25	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 15:25	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 15:25	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:25	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:25	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 15:25	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 15:25	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 15:25	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:25	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 15:25	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 15:25	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 15:25	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 15:25	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 15:25	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:25	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:25	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 15:25	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 15:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:25	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:25	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 15:25	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 15:25	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/16 15:25	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		1		11/04/16 15:25	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		11/04/16 15:25	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Sample: TWB-7 Lab ID: 40141215003 Collected: 11/01/16 12:05 Received: 11/02/16 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	9.0J	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:35	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:35	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0058	ug/L	0.029	0.0058	1	11/03/16 12:30	11/04/16 15:15	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.024	0.0047	1	11/03/16 12:30	11/04/16 15:15	208-96-8	
Anthracene	<0.010	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 15:15	120-12-7	
Benzo(a)anthracene	<0.0072	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 15:15	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 15:15	50-32-8	
Benzo(b)fluoranthene	<0.0055	ug/L	0.027	0.0055	1	11/03/16 12:30	11/04/16 15:15	205-99-2	
Benzo(g,h,i)perylene	<0.0065	ug/L	0.032	0.0065	1	11/03/16 12:30	11/04/16 15:15	191-24-2	
Benzo(k)fluoranthene	<0.0072	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 15:15	207-08-9	
Chrysene	<0.012	ug/L	0.062	0.012	1	11/03/16 12:30	11/04/16 15:15	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.048	0.0095	1	11/03/16 12:30	11/04/16 15:15	53-70-3	
Fluoranthene	<0.010	ug/L	0.051	0.010	1	11/03/16 12:30	11/04/16 15:15	206-44-0	
Fluorene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 15:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.084	0.017	1	11/03/16 12:30	11/04/16 15:15	193-39-5	
1-Methylnaphthalene	<0.0056	ug/L	0.028	0.0056	1	11/03/16 12:30	11/04/16 15:15	90-12-0	
2-Methylnaphthalene	<0.0047	ug/L	0.023	0.0047	1	11/03/16 12:30	11/04/16 15:15	91-57-6	
Naphthalene	<0.017	ug/L	0.087	0.017	1	11/03/16 12:30	11/04/16 15:15	91-20-3	
Phenanthrene	<0.013	ug/L	0.066	0.013	1	11/03/16 12:30	11/04/16 15:15	85-01-8	
Pyrene	<0.0073	ug/L	0.036	0.0073	1	11/03/16 12:30	11/04/16 15:15	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	51	%	25-130		1	11/03/16 12:30	11/04/16 15:15	321-60-8	
Terphenyl-d14 (S)	83	%	13-158		1	11/03/16 12:30	11/04/16 15:15	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 15:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 15:47	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 15:47	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 15:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 15:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 15:47	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 15:47	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 15:47	106-93-4	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-7**      **Lab ID: 40141215003**      Collected: 11/01/16 12:05      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 15:47	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 15:47	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 15:47	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 15:47	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 15:47	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:47	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 15:47	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 15:47	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 15:47	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 15:47	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 15:47	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 15:47	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 15:47	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 15:47	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 15:47	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:47	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 15:47	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 15:47	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 15:47	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 15:47	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 15:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 15:47	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 15:47	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 15:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 15:47	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		11/04/16 15:47	460-00-4	
Dibromofluoromethane (S)	90	%	70-130		1		11/04/16 15:47	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/04/16 15:47	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-10**      **Lab ID: 40141215004**      Collected: 11/01/16 10:50      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:37	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:37	7439-92-1	
<b>8270 MSSV PAH by HVI</b> Analytical Method: EPA 8270 by HVI      Preparation Method: EPA 3510									
Acenaphthene	<0.0055	ug/L	0.028	0.0055	1	11/03/16 12:30	11/04/16 15:31	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.023	0.0045	1	11/03/16 12:30	11/04/16 15:31	208-96-8	
Anthracene	0.014J	ug/L	0.048	0.0095	1	11/03/16 12:30	11/04/16 15:31	120-12-7	
Benzo(a)anthracene	0.021J	ug/L	0.034	0.0069	1	11/03/16 12:30	11/04/16 15:31	56-55-3	
Benzo(a)pyrene	0.017J	ug/L	0.048	0.0096	1	11/03/16 12:30	11/04/16 15:31	50-32-8	
Benzo(b)fluoranthene	0.018J	ug/L	0.026	0.0052	1	11/03/16 12:30	11/04/16 15:31	205-99-2	
Benzo(g,h,i)perylene	0.019J	ug/L	0.031	0.0062	1	11/03/16 12:30	11/04/16 15:31	191-24-2	
Benzo(k)fluoranthene	0.015J	ug/L	0.034	0.0069	1	11/03/16 12:30	11/04/16 15:31	207-08-9	
Chrysene	0.018J	ug/L	0.059	0.012	1	11/03/16 12:30	11/04/16 15:31	218-01-9	
Dibenz(a,h)anthracene	<0.0091	ug/L	0.046	0.0091	1	11/03/16 12:30	11/04/16 15:31	53-70-3	
Fluoranthene	0.047J	ug/L	0.048	0.0097	1	11/03/16 12:30	11/04/16 15:31	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 15:31	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.080	0.016	1	11/03/16 12:30	11/04/16 15:31	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	11/03/16 12:30	11/04/16 15:31	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	11/03/16 12:30	11/04/16 15:31	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	11/03/16 12:30	11/04/16 15:31	91-20-3	
Phenanthrene	0.030J	ug/L	0.063	0.013	1	11/03/16 12:30	11/04/16 15:31	85-01-8	
Pyrene	0.049	ug/L	0.035	0.0070	1	11/03/16 12:30	11/04/16 15:31	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	25-130		1	11/03/16 12:30	11/04/16 15:31	321-60-8	
Terphenyl-d14 (S)	69	%	13-158		1	11/03/16 12:30	11/04/16 15:31	1718-51-0	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 16:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 16:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 16:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 16:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 16:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 16:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 16:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 16:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 16:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 16:09	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-10**      **Lab ID: 40141215004**      Collected: 11/01/16 10:50      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 16:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 16:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 16:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 16:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 16:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 16:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 16:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 16:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 16:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 16:09	98-82-8	
p-Isopropyltoluene	2.2	ug/L	1.0	0.50	1		11/04/16 16:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 16:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 16:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 16:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:09	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 16:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	127-18-4	
Toluene	2.0	ug/L	1.0	0.50	1		11/04/16 16:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 16:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 16:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 16:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 16:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 16:09	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	82	%	70-130		1		11/04/16 16:09	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		11/04/16 16:09	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/04/16 16:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-11**      **Lab ID: 40141215005**      Collected: 11/01/16 13:10      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Arsenic	<b>10.1J</b>	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:40	7440-38-2	
Lead	<b>&lt;4.3</b>	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:40	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI    Preparation Method: EPA 3510							
Acenaphthene	<b>&lt;0.0057</b>	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 20:09	83-32-9	
Acenaphthylene	<b>&lt;0.0047</b>	ug/L	0.023	0.0047	1	11/03/16 12:30	11/04/16 20:09	208-96-8	
Anthracene	<b>&lt;0.0099</b>	ug/L	0.049	0.0099	1	11/03/16 12:30	11/04/16 20:09	120-12-7	
Benzo(a)anthracene	<b>&lt;0.0071</b>	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 20:09	56-55-3	
Benzo(a)pyrene	<b>&lt;0.0099</b>	ug/L	0.050	0.0099	1	11/03/16 12:30	11/04/16 20:09	50-32-8	
Benzo(b)fluoranthene	<b>&lt;0.0054</b>	ug/L	0.027	0.0054	1	11/03/16 12:30	11/04/16 20:09	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;0.0064</b>	ug/L	0.032	0.0064	1	11/03/16 12:30	11/04/16 20:09	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.0071</b>	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 20:09	207-08-9	
Chrysene	<b>&lt;0.012</b>	ug/L	0.062	0.012	1	11/03/16 12:30	11/04/16 20:09	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.0095</b>	ug/L	0.047	0.0095	1	11/03/16 12:30	11/04/16 20:09	53-70-3	
Fluoranthene	<b>&lt;0.010</b>	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 20:09	206-44-0	
Fluorene	<b>&lt;0.0075</b>	ug/L	0.038	0.0075	1	11/03/16 12:30	11/04/16 20:09	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.017</b>	ug/L	0.083	0.017	1	11/03/16 12:30	11/04/16 20:09	193-39-5	
1-Methylnaphthalene	<b>&lt;0.0056</b>	ug/L	0.028	0.0056	1	11/03/16 12:30	11/04/16 20:09	90-12-0	
2-Methylnaphthalene	<b>&lt;0.0046</b>	ug/L	0.023	0.0046	1	11/03/16 12:30	11/04/16 20:09	91-57-6	
Naphthalene	<b>&lt;0.017</b>	ug/L	0.086	0.017	1	11/03/16 12:30	11/04/16 20:09	91-20-3	
Phenanthrene	<b>&lt;0.013</b>	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 20:09	85-01-8	
Pyrene	<b>&lt;0.0072</b>	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 20:09	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	25-130		1	11/03/16 12:30	11/04/16 20:09	321-60-8	
Terphenyl-d14 (S)	83	%	13-158		1	11/03/16 12:30	11/04/16 20:09	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	71-43-2	
Bromobenzene	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		11/04/16 16:31	108-86-1	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		11/04/16 16:31	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	75-27-4	
Bromoform	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	75-25-2	
Bromomethane	<b>&lt;2.4</b>	ug/L	5.0	2.4	1		11/04/16 16:31	74-83-9	
n-Butylbenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	104-51-8	
sec-Butylbenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		11/04/16 16:31	135-98-8	
tert-Butylbenzene	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		11/04/16 16:31	98-06-6	
Carbon tetrachloride	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	56-23-5	
Chlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	108-90-7	
Chloroethane	<b>&lt;0.37</b>	ug/L	1.0	0.37	1		11/04/16 16:31	75-00-3	
Chloroform	<b>&lt;2.5</b>	ug/L	5.0	2.5	1		11/04/16 16:31	67-66-3	
Chloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	74-87-3	
2-Chlorotoluene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	95-49-8	
4-Chlorotoluene	<b>&lt;0.21</b>	ug/L	1.0	0.21	1		11/04/16 16:31	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		11/04/16 16:31	96-12-8	
Dibromochloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		11/04/16 16:31	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		11/04/16 16:31	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-11**      **Lab ID: 40141215005**      Collected: 11/01/16 13:10      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 16:31	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 16:31	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 16:31	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 16:31	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 16:31	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:31	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:31	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 16:31	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 16:31	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 16:31	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 16:31	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 16:31	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 16:31	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 16:31	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 16:31	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:31	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 16:31	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:31	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 16:31	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 16:31	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 16:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:31	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:31	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 16:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 16:31	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/04/16 16:31	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/04/16 16:31	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/04/16 16:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-13**      **Lab ID: 40141215006**      Collected: 11/01/16 11:35      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:42	7440-38-2	
Lead	5.1J	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:42	7439-92-1	
<b>8270 MSSV PAH by HVI</b> Analytical Method: EPA 8270 by HVI      Preparation Method: EPA 3510									
Acenaphthene	0.059	ug/L	0.030	0.0061	1	11/03/16 12:30	11/04/16 20:25	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	11/03/16 12:30	11/04/16 20:25	208-96-8	
Anthracene	0.021J	ug/L	0.052	0.010	1	11/03/16 12:30	11/04/16 20:25	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:25	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	11/03/16 12:30	11/04/16 20:25	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 20:25	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	11/03/16 12:30	11/04/16 20:25	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:25	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 20:25	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 20:25	53-70-3	
Fluoranthene	0.028J	ug/L	0.053	0.011	1	11/03/16 12:30	11/04/16 20:25	206-44-0	
Fluorene	0.034J	ug/L	0.040	0.0080	1	11/03/16 12:30	11/04/16 20:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	11/03/16 12:30	11/04/16 20:25	193-39-5	
1-Methylnaphthalene	0.014J	ug/L	0.030	0.0059	1	11/03/16 12:30	11/04/16 20:25	90-12-0	
2-Methylnaphthalene	0.0060J	ug/L	0.024	0.0049	1	11/03/16 12:30	11/04/16 20:25	91-57-6	
Naphthalene	0.051J	ug/L	0.092	0.018	1	11/03/16 12:30	11/04/16 20:25	91-20-3	
Phenanthrene	0.10	ug/L	0.069	0.014	1	11/03/16 12:30	11/04/16 20:25	85-01-8	
Pyrene	0.021J	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:25	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	45	%	25-130		1	11/03/16 12:30	11/04/16 20:25	321-60-8	
Terphenyl-d14 (S)	80	%	13-158		1	11/03/16 12:30	11/04/16 20:25	1718-51-0	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 16:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 16:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 16:53	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 16:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 16:53	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 16:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 16:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 16:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 16:53	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 16:53	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-13**      **Lab ID: 40141215006**      Collected: 11/01/16 11:35      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 16:53	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 16:53	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 16:53	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 16:53	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 16:53	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:53	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 16:53	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 16:53	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 16:53	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 16:53	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 16:53	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 16:53	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 16:53	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 16:53	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 16:53	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 16:53	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 16:53	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 16:53	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 16:53	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 16:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 16:53	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 16:53	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 16:53	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 16:53	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/16 16:53	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/04/16 16:53	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/04/16 16:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141215

**Sample: TWB-14**      **Lab ID: 40141215007**      Collected: 11/01/16 11:10      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:45	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:45	7439-92-1	
<b>8270 MSSV PAH by HVI</b> Analytical Method: EPA 8270 by HVI      Preparation Method: EPA 3510									
Acenaphthene	<0.0061	ug/L	0.030	0.0061	1	11/03/16 12:30	11/04/16 20:42	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	11/03/16 12:30	11/04/16 20:42	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	11/03/16 12:30	11/04/16 20:42	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:42	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	11/03/16 12:30	11/04/16 20:42	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 20:42	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	11/03/16 12:30	11/04/16 20:42	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:42	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 20:42	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 20:42	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	11/03/16 12:30	11/04/16 20:42	206-44-0	
Fluorene	<0.0080	ug/L	0.040	0.0080	1	11/03/16 12:30	11/04/16 20:42	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	11/03/16 12:30	11/04/16 20:42	193-39-5	
1-Methylnaphthalene	<0.0059	ug/L	0.030	0.0059	1	11/03/16 12:30	11/04/16 20:42	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	11/03/16 12:30	11/04/16 20:42	91-57-6	
Naphthalene	<0.018	ug/L	0.092	0.018	1	11/03/16 12:30	11/04/16 20:42	91-20-3	
Phenanthrene	<0.014	ug/L	0.069	0.014	1	11/03/16 12:30	11/04/16 20:42	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	11/03/16 12:30	11/04/16 20:42	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	25-130		1	11/03/16 12:30	11/04/16 20:42	321-60-8	
Terphenyl-d14 (S)	109	%	13-158		1	11/03/16 12:30	11/04/16 20:42	1718-51-0	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 17:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 17:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 17:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 17:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 17:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 17:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 17:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 17:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 17:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 17:15	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: TWB-14**      **Lab ID: 40141215007**      Collected: 11/01/16 11:10      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 17:15	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 17:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 17:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 17:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 17:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 17:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 17:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 17:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 17:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 17:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 17:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 17:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 17:15	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 17:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 17:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 17:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 17:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 17:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 17:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 17:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 17:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 17:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 17:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 17:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/04/16 17:15	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		11/04/16 17:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/04/16 17:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: MW-3**      **Lab ID: 40141215008**      Collected: 11/01/16 14:55      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Arsenic	<8.3	ug/L	25.0	8.3	1	11/03/16 15:21	11/04/16 09:52	7440-38-2	
Lead	<4.3	ug/L	13.0	4.3	1	11/03/16 15:21	11/04/16 09:52	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI    Preparation Method: EPA 3510							
Acenaphthene	<0.0057	ug/L	0.029	0.0057	1	11/03/16 12:30	11/04/16 16:37	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	11/03/16 12:30	11/04/16 16:37	208-96-8	
Anthracene	<0.0099	ug/L	0.049	0.0099	1	11/03/16 12:30	11/04/16 16:37	120-12-7	
Benzo(a)anthracene	<0.0071	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 16:37	56-55-3	
Benzo(a)pyrene	<0.0099	ug/L	0.050	0.0099	1	11/03/16 12:30	11/04/16 16:37	50-32-8	
Benzo(b)fluoranthene	0.014J	ug/L	0.027	0.0054	1	11/03/16 12:30	11/04/16 16:37	205-99-2	
Benzo(g,h,i)perylene	0.0093J	ug/L	0.032	0.0064	1	11/03/16 12:30	11/04/16 16:37	191-24-2	
Benzo(k)fluoranthene	0.0078J	ug/L	0.036	0.0071	1	11/03/16 12:30	11/04/16 16:37	207-08-9	
Chrysene	0.022J	ug/L	0.062	0.012	1	11/03/16 12:30	11/04/16 16:37	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.047	0.0095	1	11/03/16 12:30	11/04/16 16:37	53-70-3	
Fluoranthene	0.029J	ug/L	0.050	0.010	1	11/03/16 12:30	11/04/16 16:37	206-44-0	
Fluorene	<0.0075	ug/L	0.038	0.0075	1	11/03/16 12:30	11/04/16 16:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.083	0.017	1	11/03/16 12:30	11/04/16 16:37	193-39-5	
1-Methylnaphthalene	<0.0056	ug/L	0.028	0.0056	1	11/03/16 12:30	11/04/16 16:37	90-12-0	
2-Methylnaphthalene	0.0056J	ug/L	0.023	0.0046	1	11/03/16 12:30	11/04/16 16:37	91-57-6	
Naphthalene	<0.017	ug/L	0.086	0.017	1	11/03/16 12:30	11/04/16 16:37	91-20-3	
Phenanthrene	0.018J	ug/L	0.065	0.013	1	11/03/16 12:30	11/04/16 16:37	85-01-8	
Pyrene	0.033J	ug/L	0.036	0.0072	1	11/03/16 12:30	11/04/16 16:37	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	25-130		1	11/03/16 12:30	11/04/16 16:37	321-60-8	
Terphenyl-d14 (S)	85	%	13-158		1	11/03/16 12:30	11/04/16 16:37	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/04/16 17:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/04/16 17:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/04/16 17:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 17:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/04/16 17:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/04/16 17:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/04/16 17:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/04/16 17:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/04/16 17:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/04/16 17:37	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

**Sample: MW-3**      **Lab ID: 40141215008**      Collected: 11/01/16 14:55      Received: 11/02/16 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/04/16 17:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/04/16 17:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/16 17:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/04/16 17:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/04/16 17:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 17:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/16 17:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/04/16 17:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/04/16 17:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/04/16 17:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/04/16 17:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/04/16 17:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/04/16 17:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/04/16 17:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/04/16 17:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/04/16 17:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/04/16 17:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/04/16 17:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	127-18-4	
Toluene	0.77J	ug/L	1.0	0.50	1		11/04/16 17:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/04/16 17:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/04/16 17:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/04/16 17:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/04/16 17:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/04/16 17:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/04/16 17:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/04/16 17:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/16 17:37	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/04/16 17:37	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/04/16 17:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/04/16 17:37	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

QC Batch: 240144 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40141215001, 40141215002, 40141215003, 40141215004, 40141215005, 40141215006, 40141215007, 40141215008

METHOD BLANK: 1422559 Matrix: Water  
Associated Lab Samples: 40141215001, 40141215002, 40141215003, 40141215004, 40141215005, 40141215006, 40141215007, 40141215008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/04/16 07:04	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/04/16 07:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/04/16 07:04	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/04/16 07:04	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/04/16 07:04	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/04/16 07:04	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/04/16 07:04	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/04/16 07:04	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/04/16 07:04	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/04/16 07:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/04/16 07:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/04/16 07:04	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/04/16 07:04	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/04/16 07:04	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/04/16 07:04	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/04/16 07:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/04/16 07:04	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/04/16 07:04	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/04/16 07:04	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/04/16 07:04	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/04/16 07:04	
2-Chlorotoluene	ug/L	<0.50	1.0	11/04/16 07:04	
4-Chlorotoluene	ug/L	<0.21	1.0	11/04/16 07:04	
Benzene	ug/L	<0.50	1.0	11/04/16 07:04	
Bromobenzene	ug/L	<0.23	1.0	11/04/16 07:04	
Bromochloromethane	ug/L	<0.34	1.0	11/04/16 07:04	
Bromodichloromethane	ug/L	<0.50	1.0	11/04/16 07:04	
Bromoform	ug/L	<0.50	1.0	11/04/16 07:04	
Bromomethane	ug/L	<2.4	5.0	11/04/16 07:04	
Carbon tetrachloride	ug/L	<0.50	1.0	11/04/16 07:04	
Chlorobenzene	ug/L	<0.50	1.0	11/04/16 07:04	
Chloroethane	ug/L	<0.37	1.0	11/04/16 07:04	
Chloroform	ug/L	<2.5	5.0	11/04/16 07:04	
Chloromethane	ug/L	<0.50	1.0	11/04/16 07:04	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/04/16 07:04	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/04/16 07:04	
Dibromochloromethane	ug/L	<0.50	1.0	11/04/16 07:04	
Dibromomethane	ug/L	<0.43	1.0	11/04/16 07:04	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/04/16 07:04	
Diisopropyl ether	ug/L	<0.50	1.0	11/04/16 07:04	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

METHOD BLANK: 1422559

Matrix: Water

Associated Lab Samples: 40141215001, 40141215002, 40141215003, 40141215004, 40141215005, 40141215006, 40141215007, 40141215008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	11/04/16 07:04	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/04/16 07:04	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/04/16 07:04	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/04/16 07:04	
Methylene Chloride	ug/L	<0.23	1.0	11/04/16 07:04	
n-Butylbenzene	ug/L	<0.50	1.0	11/04/16 07:04	
n-Propylbenzene	ug/L	<0.50	1.0	11/04/16 07:04	
Naphthalene	ug/L	<2.5	5.0	11/04/16 07:04	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/04/16 07:04	
sec-Butylbenzene	ug/L	<2.2	5.0	11/04/16 07:04	
Styrene	ug/L	<0.50	1.0	11/04/16 07:04	
tert-Butylbenzene	ug/L	<0.18	1.0	11/04/16 07:04	
Tetrachloroethene	ug/L	<0.50	1.0	11/04/16 07:04	
Toluene	ug/L	<0.50	1.0	11/04/16 07:04	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/04/16 07:04	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/04/16 07:04	
Trichloroethene	ug/L	<0.33	1.0	11/04/16 07:04	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/04/16 07:04	
Vinyl chloride	ug/L	<0.18	1.0	11/04/16 07:04	
Xylene (Total)	ug/L	<1.5	3.0	11/04/16 07:04	
4-Bromofluorobenzene (S)	%	86	70-130	11/04/16 07:04	
Dibromofluoromethane (S)	%	96	70-130	11/04/16 07:04	
Toluene-d8 (S)	%	95	70-130	11/04/16 07:04	

LABORATORY CONTROL SAMPLE: 1422560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.4	91	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	44.5	89	67-130	
1,1,2-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethane	ug/L	50	35.6	71	70-133	
1,1-Dichloroethene	ug/L	50	36.0	72	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.9	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	39.9	80	70-130	
1,2-Dichloropropane	ug/L	50	49.2	98	70-130	
1,3-Dichlorobenzene	ug/L	50	47.3	95	70-130	
1,4-Dichlorobenzene	ug/L	50	46.2	92	70-130	
Benzene	ug/L	50	46.7	93	60-135	
Bromodichloromethane	ug/L	50	48.7	97	70-130	
Bromoform	ug/L	50	52.2	104	70-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

LABORATORY CONTROL SAMPLE: 1422560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	29.5	59	33-130	
Carbon tetrachloride	ug/L	50	44.7	89	70-138	
Chlorobenzene	ug/L	50	49.8	100	70-130	
Chloroethane	ug/L	50	39.5	79	51-130	
Chloroform	ug/L	50	44.5	89	70-130	
Chloromethane	ug/L	50	42.7	85	25-132	
cis-1,2-Dichloroethene	ug/L	50	37.6	75	69-130	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	70-130	
Dibromochloromethane	ug/L	50	50.2	100	70-130	
Dichlorodifluoromethane	ug/L	50	42.2	84	23-130	
Ethylbenzene	ug/L	50	51.2	102	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	70-140	
Methyl-tert-butyl ether	ug/L	50	36.7	73	66-138	
Methylene Chloride	ug/L	50	35.0	70	70-130	
Styrene	ug/L	50	51.9	104	70-133	
Tetrachloroethene	ug/L	50	51.9	104	70-138	
Toluene	ug/L	50	51.4	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	38.3	77	70-131	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	69-130	
Trichloroethene	ug/L	50	49.7	99	70-130	
Trichlorofluoromethane	ug/L	50	38.7	77	50-150	
Vinyl chloride	ug/L	50	44.6	89	49-130	
Xylene (Total)	ug/L	150	155	103	70-135	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			91	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1422561 1422562

Parameter	Units	40141184001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	45.4	45.0	91	90	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	43.0	43.1	86	86	67-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	45.9	46.8	92	94	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	35.8	36.0	72	72	70-134	1	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	35.7	35.9	71	72	68-136	1	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.4	48.8	97	98	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	49.5	49.2	99	98	50-150	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	46.7	47.3	93	95	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.0	47.4	94	95	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	39.8	39.9	80	80	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	49.6	50.2	99	100	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.2	48.5	96	97	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	46.3	46.5	93	93	70-130	0	20		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1422561		1422562		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40141184001 Result	MS Spike Conc.	MSD Spike Conc.									
Benzene	ug/L	<0.50	50	50	47.3	47.7	94	95	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	49.0	49.2	98	98	70-130	0	20		
Bromoform	ug/L	<0.50	50	50	53.4	54.2	107	108	70-130	1	20		
Bromomethane	ug/L	<2.4	50	50	30.2	32.3	60	65	33-130	7	27		
Carbon tetrachloride	ug/L	<0.50	50	50	45.3	45.1	91	90	70-138	0	20		
Chlorobenzene	ug/L	<0.50	50	50	49.5	49.9	99	100	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	35.5	43.1	71	86	51-130	19	20		
Chloroform	ug/L	<2.5	50	50	44.8	45.1	90	90	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	42.6	41.9	85	84	25-132	2	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	38.2	38.3	76	77	61-140	0	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	50.6	50.8	101	102	70-130	0	20		
Dibromochloromethane	ug/L	<0.50	50	50	49.5	51.1	99	102	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	38.4	37.5	77	75	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	50.1	50.9	100	101	70-138	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.0	51.6	102	103	70-152	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	36.3	36.3	73	73	66-139	0	20		
Methylene Chloride	ug/L	<0.23	50	50	36.1	35.3	72	71	70-130	2	20		
Styrene	ug/L	<0.50	50	50	51.4	50.9	103	102	70-138	1	20		
Tetrachloroethene	ug/L	<0.50	50	50	49.1	50.2	98	100	70-148	2	20		
Toluene	ug/L	129	50	50	174	177	90	96	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	38.5	37.6	77	75	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.7	49.6	93	99	69-130	6	20		
Trichloroethene	ug/L	<0.33	50	50	49.2	48.7	98	97	70-131	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	36.7	36.3	73	73	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	44.0	44.2	88	88	49-133	0	20		
Xylene (Total)	ug/L	<1.5	150	150	153	154	102	103	70-135	1	20		
4-Bromofluorobenzene (S)	%							96	95	70-130			
Dibromofluoromethane (S)	%							90	89	70-130			
Toluene-d8 (S)	%							94	95	70-130			

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

QC Batch: 240221 Analysis Method: EPA 8270 by HVI  
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI  
 Associated Lab Samples: 40141215001, 40141215002, 40141215003, 40141215004, 40141215005, 40141215006, 40141215007, 40141215008

METHOD BLANK: 1423015 Matrix: Water  
 Associated Lab Samples: 40141215001, 40141215002, 40141215003, 40141215004, 40141215005, 40141215006, 40141215007, 40141215008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	11/04/16 10:21	
2-Methylnaphthalene	ug/L	<0.0049	0.024	11/04/16 10:21	
Acenaphthene	ug/L	<0.0061	0.030	11/04/16 10:21	
Acenaphthylene	ug/L	<0.0050	0.025	11/04/16 10:21	
Anthracene	ug/L	<0.010	0.052	11/04/16 10:21	
Benzo(a)anthracene	ug/L	<0.0076	0.038	11/04/16 10:21	
Benzo(a)pyrene	ug/L	<0.011	0.053	11/04/16 10:21	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	11/04/16 10:21	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	11/04/16 10:21	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	11/04/16 10:21	
Chrysene	ug/L	<0.013	0.065	11/04/16 10:21	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	11/04/16 10:21	
Fluoranthene	ug/L	<0.011	0.053	11/04/16 10:21	
Fluorene	ug/L	<0.0080	0.040	11/04/16 10:21	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	11/04/16 10:21	
Naphthalene	ug/L	<0.018	0.092	11/04/16 10:21	
Phenanthrene	ug/L	<0.014	0.069	11/04/16 10:21	
Pyrene	ug/L	<0.0076	0.038	11/04/16 10:21	
2-Fluorobiphenyl (S)	%	56	25-130	11/04/16 10:21	
Terphenyl-d14 (S)	%	97	13-158	11/04/16 10:21	

LABORATORY CONTROL SAMPLE: 1423016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	0.93	47	35-130	
2-Methylnaphthalene	ug/L	2	0.96	48	36-130	
Acenaphthene	ug/L	2	0.90	45	41-130	
Acenaphthylene	ug/L	2	0.85	42	41-130	
Anthracene	ug/L	2	1.2	62	38-130	
Benzo(a)anthracene	ug/L	2	1.3	66	49-130	
Benzo(a)pyrene	ug/L	2	1.4	72	69-143	
Benzo(b)fluoranthene	ug/L	2	1.5	74	63-146	
Benzo(g,h,i)perylene	ug/L	2	0.67	33	10-145	
Benzo(k)fluoranthene	ug/L	2	1.4	70	64-152	
Chrysene	ug/L	2	1.6	78	64-156	
Dibenz(a,h)anthracene	ug/L	2	0.62	31	10-143	
Fluoranthene	ug/L	2	1.3	67	54-134	
Fluorene	ug/L	2	0.94	47	44-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

LABORATORY CONTROL SAMPLE: 1423016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	2	1.3	63	39-140	
Naphthalene	ug/L	2	0.97	48	35-130	
Phenanthrene	ug/L	2	1.2	60	51-130	
Pyrene	ug/L	2	1.2	61	61-140	
2-Fluorobiphenyl (S)	%			48	25-130	
Terphenyl-d14 (S)	%			85	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423017 1423018

Parameter	Units	40141102001		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/L	<0.030	2	2	1.0	1.1	52	56	16-130	8	30		
2-Methylnaphthalene	ug/L	<0.024	2	2	1.0	1.1	52	57	33-130	9	30		
Acenaphthene	ug/L	<0.030	2	2	0.94	1.0	47	52	29-130	11	27		
Acenaphthylene	ug/L	<0.025	2	2	0.93	1.0	46	50	33-130	8	27		
Anthracene	ug/L	<0.052	2	2	1.1	1.3	55	65	26-130	16	31		
Benzo(a)anthracene	ug/L	<0.038	2	2	1.1	1.1	53	53	27-130	1	36		
Benzo(a)pyrene	ug/L	<0.053	2	2	0.91	0.94	46	47	16-151	3	44		
Benzo(b)fluoranthene	ug/L	<0.029	2	2	0.99	1.0	49	51	30-142	3	41		
Benzo(g,h,i)perylene	ug/L	<0.034	2	2	0.51	0.50	25	25	10-130	1	50		
Benzo(k)fluoranthene	ug/L	<0.038	2	2	0.93	0.83	46	42	24-152	11	41		
Chrysene	ug/L	<0.065	2	2	1.3	1.3	63	66	40-152	4	33		
Dibenz(a,h)anthracene	ug/L	<0.050	2	2	0.49	0.46	25	23	10-130	7	50		
Fluoranthene	ug/L	<0.053	2	2	1.2	1.3	62	66	39-140	5	30		
Fluorene	ug/L	<0.040	2	2	1.0	1.1	50	54	35-130	7	26		
Indeno(1,2,3-cd)pyrene	ug/L	<0.088	2	2	0.63	0.65	32	32	10-130	2	50		
Naphthalene	ug/L	<0.092	2	2	1.1	1.2	54	58	29-130	7	31		
Phenanthrene	ug/L	<0.069	2	2	1.2	1.3	61	65	48-130	6	25		
Pyrene	ug/L	<0.038	2	2	1.1	1.2	57	61	42-143	6	25		
2-Fluorobiphenyl (S)	%						51	57	25-130				
Terphenyl-d14 (S)	%						73	75	13-158				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141215

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141215001	TWB-1	EPA 3010	240270	EPA 6010	240328
40141215002	TWB-5	EPA 3010	240270	EPA 6010	240328
40141215003	TWB-7	EPA 3010	240270	EPA 6010	240328
40141215004	TWB-10	EPA 3010	240270	EPA 6010	240328
40141215005	TWB-11	EPA 3010	240270	EPA 6010	240328
40141215006	TWB-13	EPA 3010	240270	EPA 6010	240328
40141215007	TWB-14	EPA 3010	240270	EPA 6010	240328
40141215008	MW-3	EPA 3010	240270	EPA 6010	240328
40141215001	TWB-1	EPA 3510	240221	EPA 8270 by HVI	240287
40141215002	TWB-5	EPA 3510	240221	EPA 8270 by HVI	240287
40141215003	TWB-7	EPA 3510	240221	EPA 8270 by HVI	240287
40141215004	TWB-10	EPA 3510	240221	EPA 8270 by HVI	240287
40141215005	TWB-11	EPA 3510	240221	EPA 8270 by HVI	240287
40141215006	TWB-13	EPA 3510	240221	EPA 8270 by HVI	240287
40141215007	TWB-14	EPA 3510	240221	EPA 8270 by HVI	240287
40141215008	MW-3	EPA 3510	240221	EPA 8270 by HVI	240287
40141215001	TWB-1	EPA 8260	240144		
40141215002	TWB-5	EPA 8260	240144		
40141215003	TWB-7	EPA 8260	240144		
40141215004	TWB-10	EPA 8260	240144		
40141215005	TWB-11	EPA 8260	240144		
40141215006	TWB-13	EPA 8260	240144		
40141215007	TWB-14	EPA 8260	240144		
40141215008	MW-3	EPA 8260	240144		

### REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Client Name: Giles Engineering Project #: WO# : 40141215

Courier:  Fed Ex  UPS  Client  Pace Other: JCS Logistics  
Tracking #: 1047110116



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
Custody Seal on Samples Present:  yes  no Seals intact:  yes  no  
Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: N/A Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
Cooler Temperature: Uncorr: ROT / Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 11-2-16  
Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. No trip blank volume 11-2-16 MW
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. 004 - collect time on sample 11/30 006 - 1-500mlag ID TWB IB. 007 ID on samples is only "B-14" 11-2-16
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct 11-2-16 SKW
All containers needing preservation are found to be in compliance with EPA recommendation: (HNO3, H2SO4, NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. Listed on COC - none in shipment.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	_____	11-2-16 SKW

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: Must for DM Date: 11/2/16



November 11, 2016

Kevin Bugel  
Giles Engineering Associates, Inc.  
N8 W22350 Johnson Road  
Suite A1  
Waukesha, WI 53186

RE: Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141481

Dear Kevin Bugel:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141481001	TWB-4	Water	11/04/16 09:35	11/05/16 07:30
40141481002	TRIP BLANK	Water	11/04/16 00:00	11/05/16 07:30

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### SAMPLE ANALYTE COUNT

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141481001	TWB-4	EPA 6010	DLB	2	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
40141481002	TRIP BLANK	EPA 8260	HNW	63	PASI-G
		EPA 8260	HNW	63	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40141481001</b>	<b>TWB-4</b>					
EPA 8270 by HVI	Acenaphthene	0.014J	ug/L	0.032	11/09/16 17:37	
EPA 8270 by HVI	Acenaphthylene	0.032	ug/L	0.026	11/09/16 17:37	
EPA 8270 by HVI	Anthracene	0.064	ug/L	0.054	11/09/16 17:37	
EPA 8270 by HVI	Benzo(a)anthracene	0.13	ug/L	0.039	11/09/16 17:37	
EPA 8270 by HVI	Benzo(a)pyrene	0.12	ug/L	0.055	11/09/16 17:37	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.20	ug/L	0.030	11/09/16 17:37	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.11	ug/L	0.035	11/09/16 17:37	B
EPA 8270 by HVI	Benzo(k)fluoranthene	0.13	ug/L	0.039	11/09/16 17:37	
EPA 8270 by HVI	Chrysene	0.23	ug/L	0.068	11/09/16 17:37	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.017J	ug/L	0.052	11/09/16 17:37	
EPA 8270 by HVI	Fluoranthene	0.36	ug/L	0.056	11/09/16 17:37	
EPA 8270 by HVI	Fluorene	0.012J	ug/L	0.042	11/09/16 17:37	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.082J	ug/L	0.092	11/09/16 17:37	
EPA 8270 by HVI	1-Methylnaphthalene	0.017J	ug/L	0.031	11/09/16 17:37	
EPA 8270 by HVI	2-Methylnaphthalene	0.020J	ug/L	0.026	11/09/16 17:37	
EPA 8270 by HVI	Naphthalene	0.023J	ug/L	0.095	11/09/16 17:37	
EPA 8270 by HVI	Phenanthrene	0.18	ug/L	0.072	11/09/16 17:37	
EPA 8270 by HVI	Pyrene	0.31	ug/L	0.040	11/09/16 17:37	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

**Sample: TWB-4**      **Lab ID: 40141481001**      Collected: 11/04/16 09:35      Received: 11/05/16 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Arsenic, Dissolved	<5.4	ug/L	20.0	5.4	1		11/08/16 12:15	7440-38-2	
Lead, Dissolved	<4.3	ug/L	13.0	4.3	1		11/08/16 12:15	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI      Preparation Method: EPA 3510							
Acenaphthene	<b>0.014J</b>	ug/L	0.032	0.0063	1	11/07/16 12:16	11/09/16 17:37	83-32-9	
Acenaphthylene	<b>0.032</b>	ug/L	0.026	0.0052	1	11/07/16 12:16	11/09/16 17:37	208-96-8	
Anthracene	<b>0.064</b>	ug/L	0.054	0.011	1	11/07/16 12:16	11/09/16 17:37	120-12-7	
Benzo(a)anthracene	<b>0.13</b>	ug/L	0.039	0.0079	1	11/07/16 12:16	11/09/16 17:37	56-55-3	
Benzo(a)pyrene	<b>0.12</b>	ug/L	0.055	0.011	1	11/07/16 12:16	11/09/16 17:37	50-32-8	
Benzo(b)fluoranthene	<b>0.20</b>	ug/L	0.030	0.0060	1	11/07/16 12:16	11/09/16 17:37	205-99-2	
Benzo(g,h,i)perylene	<b>0.11</b>	ug/L	0.035	0.0071	1	11/07/16 12:16	11/09/16 17:37	191-24-2	B
Benzo(k)fluoranthene	<b>0.13</b>	ug/L	0.039	0.0079	1	11/07/16 12:16	11/09/16 17:37	207-08-9	
Chrysene	<b>0.23</b>	ug/L	0.068	0.014	1	11/07/16 12:16	11/09/16 17:37	218-01-9	
Dibenz(a,h)anthracene	<b>0.017J</b>	ug/L	0.052	0.010	1	11/07/16 12:16	11/09/16 17:37	53-70-3	
Fluoranthene	<b>0.36</b>	ug/L	0.056	0.011	1	11/07/16 12:16	11/09/16 17:37	206-44-0	
Fluorene	<b>0.012J</b>	ug/L	0.042	0.0083	1	11/07/16 12:16	11/09/16 17:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>0.082J</b>	ug/L	0.092	0.018	1	11/07/16 12:16	11/09/16 17:37	193-39-5	
1-Methylnaphthalene	<b>0.017J</b>	ug/L	0.031	0.0061	1	11/07/16 12:16	11/09/16 17:37	90-12-0	
2-Methylnaphthalene	<b>0.020J</b>	ug/L	0.026	0.0051	1	11/07/16 12:16	11/09/16 17:37	91-57-6	
Naphthalene	<b>0.023J</b>	ug/L	0.095	0.019	1	11/07/16 12:16	11/09/16 17:37	91-20-3	
Phenanthrene	<b>0.18</b>	ug/L	0.072	0.014	1	11/07/16 12:16	11/09/16 17:37	85-01-8	
Pyrene	<b>0.31</b>	ug/L	0.040	0.0080	1	11/07/16 12:16	11/09/16 17:37	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	25-130		1	11/07/16 12:16	11/09/16 17:37	321-60-8	
Terphenyl-d14 (S)	40	%	13-158		1	11/07/16 12:16	11/09/16 17:37	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/08/16 21:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/08/16 21:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/08/16 21:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/08/16 21:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/08/16 21:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/08/16 21:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/08/16 21:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/08/16 21:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/08/16 21:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/08/16 21:52	106-93-4	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

**Sample:** TWB-4      **Lab ID:** 40141481001      Collected: 11/04/16 09:35      Received: 11/05/16 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/08/16 21:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/08/16 21:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/08/16 21:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/08/16 21:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/08/16 21:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/08/16 21:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/08/16 21:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/08/16 21:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/08/16 21:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/08/16 21:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/08/16 21:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/08/16 21:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/08/16 21:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/08/16 21:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/08/16 21:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/08/16 21:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/08/16 21:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/08/16 21:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/08/16 21:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/08/16 21:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/08/16 21:52	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/08/16 21:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/08/16 21:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 21:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/08/16 21:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/08/16 21:52	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/08/16 21:52	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		11/08/16 21:52	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/08/16 21:52	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

**Sample: TRIP BLANK**      **Lab ID: 40141481002**      Collected: 11/04/16 00:00      Received: 11/05/16 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/08/16 22:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/08/16 22:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/08/16 22:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/08/16 22:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/08/16 22:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/08/16 22:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/08/16 22:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/08/16 22:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/08/16 22:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/08/16 22:15	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/08/16 22:15	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/08/16 22:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/08/16 22:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/08/16 22:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/08/16 22:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/08/16 22:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/08/16 22:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/08/16 22:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/08/16 22:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/08/16 22:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/08/16 22:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/08/16 22:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/08/16 22:15	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/08/16 22:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/08/16 22:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/08/16 22:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/08/16 22:15	630-20-6	

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### ANALYTICAL RESULTS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

**Sample: TRIP BLANK**      **Lab ID: 40141481002**      Collected: 11/04/16 00:00      Received: 11/05/16 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/08/16 22:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/08/16 22:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/08/16 22:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/08/16 22:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/08/16 22:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/08/16 22:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/08/16 22:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/08/16 22:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/08/16 22:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/08/16 22:15	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		11/08/16 22:15	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/08/16 22:15	2037-26-5	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

QC Batch: 240665

Analysis Method: EPA 6010

QC Batch Method: EPA 6010

Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40141481001

METHOD BLANK: 1425813

Matrix: Water

Associated Lab Samples: 40141481001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	11/08/16 11:44	
Lead, Dissolved	ug/L	<4.3	13.0	11/08/16 11:44	

METHOD BLANK: 1425843

Matrix: Water

Associated Lab Samples: 40141481001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	11/08/16 12:13	
Lead, Dissolved	ug/L	<4.3	13.0	11/08/16 12:13	

LABORATORY CONTROL SAMPLE: 1425814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	464	93	80-120	
Lead, Dissolved	ug/L	500	482	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425815 1425816

Parameter	Units	40141375001		40141375001		40141375001		40141375001		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec						
Arsenic, Dissolved	ug/L	9.2J	500	500	482	473	95	93	75-125	2	20		
Lead, Dissolved	ug/L	<4.3	500	500	469	467	93	93	75-125	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU  
Pace Project No.: 40141481

QC Batch: 240598 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40141481001, 40141481002

METHOD BLANK: 1425639 Matrix: Water  
Associated Lab Samples: 40141481001, 40141481002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/08/16 14:48	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/08/16 14:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/08/16 14:48	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/08/16 14:48	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/08/16 14:48	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/08/16 14:48	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/08/16 14:48	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/08/16 14:48	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/08/16 14:48	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/08/16 14:48	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/08/16 14:48	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/08/16 14:48	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/08/16 14:48	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/08/16 14:48	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/08/16 14:48	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/08/16 14:48	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/08/16 14:48	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/08/16 14:48	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/08/16 14:48	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/08/16 14:48	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/08/16 14:48	
2-Chlorotoluene	ug/L	<0.50	1.0	11/08/16 14:48	
4-Chlorotoluene	ug/L	<0.21	1.0	11/08/16 14:48	
Benzene	ug/L	<0.50	1.0	11/08/16 14:48	
Bromobenzene	ug/L	<0.23	1.0	11/08/16 14:48	
Bromochloromethane	ug/L	<0.34	1.0	11/08/16 14:48	
Bromodichloromethane	ug/L	<0.50	1.0	11/08/16 14:48	
Bromoform	ug/L	<0.50	1.0	11/08/16 14:48	
Bromomethane	ug/L	<2.4	5.0	11/08/16 14:48	
Carbon tetrachloride	ug/L	<0.50	1.0	11/08/16 14:48	
Chlorobenzene	ug/L	<0.50	1.0	11/08/16 14:48	
Chloroethane	ug/L	<0.37	1.0	11/08/16 14:48	
Chloroform	ug/L	<2.5	5.0	11/08/16 14:48	
Chloromethane	ug/L	<0.50	1.0	11/08/16 14:48	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/08/16 14:48	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/08/16 14:48	
Dibromochloromethane	ug/L	<0.50	1.0	11/08/16 14:48	
Dibromomethane	ug/L	<0.43	1.0	11/08/16 14:48	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/08/16 14:48	
Diisopropyl ether	ug/L	<0.50	1.0	11/08/16 14:48	
Ethylbenzene	ug/L	<0.50	1.0	11/08/16 14:48	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

METHOD BLANK: 1425639

Matrix: Water

Associated Lab Samples: 40141481001, 40141481002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/08/16 14:48	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/08/16 14:48	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/08/16 14:48	
Methylene Chloride	ug/L	<0.23	1.0	11/08/16 14:48	
n-Butylbenzene	ug/L	<0.50	1.0	11/08/16 14:48	
n-Propylbenzene	ug/L	<0.50	1.0	11/08/16 14:48	
Naphthalene	ug/L	<2.5	5.0	11/08/16 14:48	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/08/16 14:48	
sec-Butylbenzene	ug/L	<2.2	5.0	11/08/16 14:48	
Styrene	ug/L	<0.50	1.0	11/08/16 14:48	
tert-Butylbenzene	ug/L	<0.18	1.0	11/08/16 14:48	
Tetrachloroethene	ug/L	<0.50	1.0	11/08/16 14:48	
Toluene	ug/L	<0.50	1.0	11/08/16 14:48	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/08/16 14:48	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/08/16 14:48	
Trichloroethene	ug/L	<0.33	1.0	11/08/16 14:48	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/08/16 14:48	
Vinyl chloride	ug/L	<0.18	1.0	11/08/16 14:48	
Xylene (Total)	ug/L	<1.5	3.0	11/08/16 14:48	
4-Bromofluorobenzene (S)	%	95	70-130	11/08/16 14:48	
Dibromofluoromethane (S)	%	113	70-130	11/08/16 14:48	
Toluene-d8 (S)	%	97	70-130	11/08/16 14:48	

LABORATORY CONTROL SAMPLE: 1425640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.8	104	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	17.5	88	67-130	
1,1,2-Trichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethane	ug/L	20	21.5	107	70-133	
1,1-Dichloroethene	ug/L	20	21.7	108	70-130	
1,2,4-Trichlorobenzene	ug/L	20	17.7	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	13.7	68	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	18.3	92	70-130	
1,2-Dichlorobenzene	ug/L	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	17.5	88	70-130	
1,3-Dichlorobenzene	ug/L	20	18.5	92	70-130	
1,4-Dichlorobenzene	ug/L	20	18.4	92	70-130	
Benzene	ug/L	20	22.0	110	60-135	
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	20.4	102	70-130	
Bromomethane	ug/L	20	17.4	87	33-130	
Carbon tetrachloride	ug/L	20	21.1	106	70-138	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

LABORATORY CONTROL SAMPLE: 1425640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	21.7	109	51-130	
Chloroform	ug/L	20	22.6	113	70-130	
Chloromethane	ug/L	20	13.7	68	25-132	
cis-1,2-Dichloroethene	ug/L	20	22.5	112	69-130	
cis-1,3-Dichloropropene	ug/L	20	15.1	75	70-130	
Dibromochloromethane	ug/L	20	17.7	88	70-130	
Dichlorodifluoromethane	ug/L	20	12.1	61	23-130	
Ethylbenzene	ug/L	20	19.2	96	70-136	
Isopropylbenzene (Cumene)	ug/L	20	19.3	96	70-140	
Methyl-tert-butyl ether	ug/L	20	20.4	102	66-138	
Methylene Chloride	ug/L	20	22.3	112	70-130	
Styrene	ug/L	20	19.7	99	70-133	
Tetrachloroethene	ug/L	20	20.1	100	70-138	
Toluene	ug/L	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.6	113	70-131	
trans-1,3-Dichloropropene	ug/L	20	13.7	69	69-130	
Trichloroethene	ug/L	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	20	23.3	116	50-150	
Vinyl chloride	ug/L	20	20.3	101	49-130	
Xylene (Total)	ug/L	60	59.6	99	70-135	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425734 1425735

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40141318006 Result	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	59.6	58.5	119	117	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.8	46.1	90	92	67-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.2	49.7	100	99	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	51.5	51.0	103	102	70-134	1	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	52.5	51.9	105	104	68-136	1	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	46.0	47.7	92	95	62-139	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	39.2	41.7	78	83	50-150	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.5	51.0	103	102	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.9	48.6	96	97	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	48.3	48.2	97	96	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	45.4	45.6	91	91	70-130	0	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	47.8	48.4	96	97	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.2	47.5	94	95	70-130	1	20		
Benzene	ug/L	<0.50	50	50	54.3	53.7	109	107	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.4	49.3	97	99	70-130	2	20		

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425734		1425735		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40141318006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromoform	ug/L	<0.50	50	50	48.3	48.3	97	97	70-130	0	20		
Bromomethane	ug/L	<2.4	50	50	44.4	46.9	89	94	33-130	6	27		
Carbon tetrachloride	ug/L	<0.50	50	50	56.7	56.6	113	113	70-138	0	20		
Chlorobenzene	ug/L	<0.50	50	50	52.3	51.3	105	103	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	53.8	52.9	108	106	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	66.6	65.6	133	131	70-130	2	20	M1	
Chloromethane	ug/L	<0.50	50	50	32.6	32.3	65	65	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	66.0	54.3	132	109	61-140	19	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	43.4	44.0	87	88	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	50.5	50.2	101	100	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	29.0	28.4	58	57	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	52.1	50.7	104	101	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.7	51.0	103	102	70-152	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50.3	51.3	101	103	66-139	2	20		
Methylene Chloride	ug/L	<0.23	50	50	54.6	55.1	109	110	70-130	1	20		
Styrene	ug/L	<0.50	50	50	53.3	52.2	107	104	70-138	2	20		
Tetrachloroethene	ug/L	<0.50	50	50	53.8	52.7	108	105	70-148	2	20		
Toluene	ug/L	<0.50	50	50	51.1	50.4	102	101	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	54.5	54.6	109	109	70-133	0	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	37.9	37.9	76	76	69-130	0	20		
Trichloroethene	ug/L	<0.33	50	50	51.7	51.7	103	103	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	55.7	55.3	111	111	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	49.1	49.0	98	98	49-133	0	20		
Xylene (Total)	ug/L	<1.5	150	150	160	157	106	105	70-135	2	20		
4-Bromofluorobenzene (S)	%						101	98	70-130				
Dibromofluoromethane (S)	%						121	119	70-130				
Toluene-d8 (S)	%						99	96	70-130				

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

QC Batch: 240518

Analysis Method: EPA 8270 by HVI

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH by HVI

Associated Lab Samples: 40141481001

METHOD BLANK: 1425414

Matrix: Water

Associated Lab Samples: 40141481001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	11/07/16 16:06	
2-Methylnaphthalene	ug/L	<0.0049	0.024	11/07/16 16:06	
Acenaphthene	ug/L	<0.0061	0.030	11/07/16 16:06	
Acenaphthylene	ug/L	<0.0050	0.025	11/07/16 16:06	
Anthracene	ug/L	<0.010	0.052	11/07/16 16:06	
Benzo(a)anthracene	ug/L	<0.0076	0.038	11/07/16 16:06	
Benzo(a)pyrene	ug/L	<0.011	0.053	11/07/16 16:06	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	11/07/16 16:06	
Benzo(g,h,i)perylene	ug/L	0.023J	0.034	11/07/16 16:06	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	11/07/16 16:06	
Chrysene	ug/L	<0.013	0.065	11/07/16 16:06	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	11/07/16 16:06	
Fluoranthene	ug/L	<0.011	0.053	11/07/16 16:06	
Fluorene	ug/L	<0.0080	0.040	11/07/16 16:06	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	11/07/16 16:06	
Naphthalene	ug/L	<0.018	0.092	11/07/16 16:06	
Phenanthrene	ug/L	<0.014	0.069	11/07/16 16:06	
Pyrene	ug/L	0.025J	0.038	11/07/16 16:06	
2-Fluorobiphenyl (S)	%	59	25-130	11/07/16 16:06	
Terphenyl-d14 (S)	%	105	13-158	11/07/16 16:06	

LABORATORY CONTROL SAMPLE: 1425415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	62	35-130	
2-Methylnaphthalene	ug/L	2	1.3	64	36-130	
Acenaphthene	ug/L	2	1.1	57	41-130	
Acenaphthylene	ug/L	2	1.1	53	41-130	
Anthracene	ug/L	2	1.4	70	38-130	
Benzo(a)anthracene	ug/L	2	1.5	76	49-130	
Benzo(a)pyrene	ug/L	2	1.6	81	69-143	
Benzo(b)fluoranthene	ug/L	2	1.6	82	63-146	
Benzo(g,h,i)perylene	ug/L	2	0.80	40	10-145	
Benzo(k)fluoranthene	ug/L	2	1.6	82	64-152	
Chrysene	ug/L	2	1.9	94	64-156	
Dibenz(a,h)anthracene	ug/L	2	0.74	37	10-143	
Fluoranthene	ug/L	2	1.5	77	54-134	
Fluorene	ug/L	2	1.2	60	44-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	72	39-140	
Naphthalene	ug/L	2	1.2	58	35-130	

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### QUALITY CONTROL DATA

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

LABORATORY CONTROL SAMPLE: 1425415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.4	72	51-130	
Pyrene	ug/L	2	1.5	73	61-140	
2-Fluorobiphenyl (S)	%			58	25-130	
Terphenyl-d14 (S)	%			102	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425416 1425417

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40141323007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/L	<0.0058	1.8	1.8	0.81	0.82	44	45	16-130	1	30	
2-Methylnaphthalene	ug/L	<0.0048	1.8	1.8	0.85	0.83	47	46	33-130	3	30	
Acenaphthene	ug/L	0.013J	1.8	1.8	0.83	0.79	45	43	29-130	4	27	
Acenaphthylene	ug/L	<0.0049	1.8	1.8	0.75	0.75	42	41	33-130	1	27	
Anthracene	ug/L	<0.010	1.8	1.8	0.99	1.0	54	55	26-130	1	31	
Benzo(a)anthracene	ug/L	<0.0074	1.8	1.8	0.79	0.75	43	41	27-130	6	36	
Benzo(a)pyrene	ug/L	<0.010	1.8	1.8	0.56	0.49	30	27	16-151	13	44	
Benzo(b)fluoranthene	ug/L	0.0073J	1.8	1.8	0.59	0.53	32	29	30-142	11	41 M1	
Benzo(g,h,i)perylene	ug/L	0.025J	1.8	1.8	0.36	0.32	19	16	10-130	12	50	
Benzo(k)fluoranthene	ug/L	<0.0074	1.8	1.8	0.55	0.49	30	27	24-152	10	41	
Chrysene	ug/L	<0.013	1.8	1.8	0.92	0.84	50	46	40-152	9	33	
Dibenz(a,h)anthracene	ug/L	<0.0098	1.8	1.8	0.33	0.28	18	16	10-130	16	50	
Fluoranthene	ug/L	0.017J	1.8	1.8	0.91	0.94	49	51	39-140	3	30	
Fluorene	ug/L	<0.0078	1.8	1.8	0.86	0.78	47	43	35-130	10	26	
Indeno(1,2,3-cd)pyrene	ug/L	<0.017	1.8	1.8	0.40	0.31	22	17	10-130	25	50	
Naphthalene	ug/L	<0.018	1.8	1.8	0.85	0.84	46	46	29-130	0	31	
Phenanthrene	ug/L	<0.014	1.8	1.8	1.0	0.99	57	55	48-130	5	25	
Pyrene	ug/L	0.020J	1.8	1.8	1.0	0.88	54	48	42-143	14	25	
2-Fluorobiphenyl (S)	%						48	46	25-130			
Terphenyl-d14 (S)	%						59	53	13-158			

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## QUALIFIERS

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1610007 THE COUTURE, MILWAU

Pace Project No.: 40141481

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141481001	TWB-4	EPA 6010	240665		
40141481001	TWB-4	EPA 3510	240518	EPA 8270 by HVI	240603
40141481001	TWB-4	EPA 8260	240598		
40141481002	TRIP BLANK	EPA 8260	240598		

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Project # **WO#: 40141481**

Client Name: Giles Eng.

Courier:  Fed Ex  UPS  Client  Pace Other: C Logistics



Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROT /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 11/5/16  
Initials: BA

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9. 1-250ml bag was used for Dup PAH volume, top sticker on bottle says it was once HCL preserved at 11/5/16
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>CO</u> , coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>BA</u> Lab Std #/ID of preservative _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>3609</u>		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AMH & DM Date: 11/5/16



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