Supplemental Site Investigation and Remedial Action Documentation Report

Keller Property/Proposed Tennyson Ridge Redevelopment

Tennyson Lane/Whitman Lane

Madison, Dane County, Wisconsin

June 20, 2023

Prepared for:

Wisconsin Housing Preservation Corporation, Astar Capital Management, Inc., and Cardinal Capital Management, Inc.
Madison, Wisconsin

Prepared by:

Terracon Consultants, Inc.
Franklin, Wisconsin

June 20, 2023

Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

Attention: Ms. Danielle Keller
Phone: (608) 224-4537
Email: danielle.keller@wiconsin.gov

Re: Supplemental Site Investigation and Remedial Action Documentation Report
Keller Property/Proposed Tennyson Ridge Redevelopment
Tennyson Lane/Whitman Lane
Madison, Dane County, Wisconsin
BRRTS #03-13-553975
Terracon Project No. 58167157

Dear Ms. Keller:

Terracon Consultants, Inc. (Terracon) has completed this Supplemental Site Investigation (SSI) and Remedial Action Documentation Report (RADR) for the above-referenced property. The scope of services was presented in the Site Investigation (SI) Status Report and Remedial Action Plan (RAP) submitted to the Wisconsin Department of Natural Resources (WDNR) on October 13, 2016. WDNR approved the SI Status Report and RAP in an October 24, 2016 letter. This report documents implementation of the RAP during redevelopment of the site.

Terracon appreciates the opportunity to submit these data to WDNR. If you have any questions or comments regarding our report, please contact us at (414) 423-0255.

Sincerely,

Paul A. Lenaker
Project Geologist

Edmund A. Buc, P.E.
Department Manager

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APPENDICES

SUPPLEMENTAL SITE INVESTIGATION AND REMEDIAL ACTION DOCUMENTATION REPORT
KELLER PROPERTY/PROPOSED TENNYSON RIDGE REDEVELOPMENT
TENNYSON LANE/WHITMAN LANE
MADISON, DANE COUNTY, WISCONSIN

JUNE 20, 2023
TERRACON PROJECT NO. 58167157
BRRTS #03-13-553975

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) was retained by Tennyson Terrace, LLC to implement remediation activities at the Keller Property (the site), located at 1902 Tennyson Lane, Madison, Wisconsin. The remedy was implemented during redevelopment of the site, as part a materials management plan approved by the Wisconsin Department of Natural Resources (WDNR). Terracon completed supplemental investigation concurrently with the soil management activities. This report was prepared to document the supplemental site investigation and remediation activities.

1.1 Background Information

The site is located at 1902 Tennyson Lane, Madison, Dane County, Wisconsin. A topographic map is presented as Exhibit 1, Appendix A. A Site Diagram is presented as Exhibit 2, Appendix A.

The site is the location of an open leaking underground storage tank/leaking aboveground storage tank (LUST/LAST) case (BRRTS #03-13-553975). Terracon reviewed the contents of the WDNR case file, which included a Phase I Environmental Site Assessment (ESA) report prepared by Liesch dated October 2005. Based on review of the report, the ESA encompassed the parcel for the site at 1902 Tennyson Lane and also the adjoining parcel to the east of the site (formerly identified as 3802 Packers Avenue). The details of the parcel located at 3802 Packers Avenue are not discussed herein since it is not a part of the site. The parcel at 1902 Tennyson Lane contained 10 buildings.

During their site reconnaissance, Liesch observed automobiles, construction materials, heating, ventilation, and air conditioning (HVAC) equipment, motors, and other items. These items were observed primarily on the 1902 Tennyson Lane parcel. In addition, in the area north of the buildings, Liesch observed HVAC units, scrap metal, motors, automobiles, trailers, tanks, and chicken sheds. The chicken sheds contained several chemical substances in intact containers, including but not limited to paints, solvents, adhesives, asphalt, glycol ether, isopropyl alcohol,

and latex underlayment liquid. Liesch observed lawn care equipment and automotive parts and supplies, including engines, transmissions, exhaust pipes, tires, and wheels, as well as numerous miscellaneous hardware items inside a building located in the central portion of the site.

Based on information obtained during the Phase I ESA, Liesch identified the following recognized environmental conditions (RECs) related to the 1902 Tennyson Lane parcel: seven former and current underground storage tanks (USTs) and aboveground storage tanks (ASTs) (which contained fuel oil, gasoline, diesel fuel, and unknown contents) located at the building complex, hazardous substances stored in various locations, spills of unidentified oily substances in the vicinity of the auto repair shop, a floor drain in the auto shop and a storm grate outside that discharged to the soil surface, and biological agents stored in a containment area in Building 3. In addition, Liesch identified a propane AST at the 1902 Tennyson Lane parcel as a historical REC.

The Phase I ESA also identified items of environmental note that may require existing or future environmental compliance activities. These items included: the property listing in the database report for handling radioactive material, various items stored for salvage or reuse, fluorescent lighting fixtures throughout the facility, fluorescent lighting ballasts, suspected asbestos containing materials (ACM), and potential ozone-depleting materials in various appliances. Finally, the Phase I ESA recommended the following: properly abandon and close unused ASTs and USTs including the collection of soil samples for analysis; collect and analyze soil samples and/or groundwater samples to address the various RECs; conduct an ACM survey prior to building renovation or demolition activities; develop an inventory of hazardous substances for proper handling and disposal, develop a method of managing infectious substances associated with research; dispose of used fluorescent lamps; replace, recharge, and/or dismantle HVAC units; and determine the nature, history, and status of radioactive materials at the property.

Liesch subsequently conducted a Phase II ESA in 2005 to assess the RECs identified in the Phase I ESA. The investigation included using a Geoprobe® or hand augers to collect soil samples from 13 locations across the site in the vicinity of the RECs. One soil boring was located near the southeast corner of Building 1 on the site (B-1). Boring B-1 was intended to evaluate whether the AST present in the southeast corner of Building 1 had experienced a release. Borings B-2, B-2A, and B-2B were intended to evaluate an existing fuel oil UST located beneath the southwest corner of Building 3. Boring B-3 was advanced to evaluate the former fuel oil UST located at the northwest corner of Building 3. Boring 4 was advanced to evaluate possible releases from a former UST and AST, both used for fuel oil containment north of the center of Building 7. Borings B-5 and B-5A were advanced to evaluate potential releases from an oily stain observed north of Building 7. Boring B-6 was advanced to evaluate potential releases from a former gasoline UST located north of Building 9. Boring B-7 was advanced to the east of Building 3 near a drain tile discharge point where oily staining was observed. Boring B-8 was advanced on the east side of the existing fuel oil UST located west of the loading dock for Building 3. Boring B-9 was advanced

in a former animal burial area located in the vacant land northeast of the buildings. Boring B-10 was advanced near a transformer pad east of Building 6.

Borings were advanced to depths of approximately 4 to 16 feet below ground surface (bgs). Soil samples were collected continuously and screened on-site using an organic vapor meter (OVM). The soil types were variable, but predominantly sandy soils were encountered. Select soil samples were submitted for analysis of gasoline range organics (GRO), diesel range organics (DRO), petroleum volatile organic compounds (PVOCs), volatile organic compounds (VOCs), Resource Conservation and Recovery Act (RCRA) metals, polychlorinated biphenyls (PCB), and/or formaldehyde. The soil samples submitted for analysis were collected from depths that varied from near ground surface to 14-16 feet bgs. Groundwater samples were not collected for analysis.

According to a December 13, 2005 report, elevated OVM readings and petroleum odors or staining were observed in borings B-2, B-5, B-5A, B-7, and B-8. Analytical results confirmed that elevated concentrations of petroleum products were present in soil samples collected from borings B-2B, B-5, B-5A, B-7, and B-8. The report recommended that additional sampling be conducted to define the extent of contamination. Specifically, the report noted that the impacts near boring B-2B were associated with a UST that was beneath the building such that further investigation could not be performed. Instead, The report recommended that the UST be removed and investigation be performed if the building is demolished. The report recommended further investigation near boring B-5 and B-5A. However, they indicated that debris in the area would have to be removed to allow access for the investigation. Impacts were also noted in borings B-7 and B-8. Boring B-8 was reportedly associated with a fuel oil UST located in an area between two buildings. The report recommended removal/investigation similar to the recommendation for the UST located near boring B-2. Boring B-7 is located east of the buildings in an area of oil-stained soil (Exhibit 2).

The LUST case file also included several documents prepared by Pioneer Environmental, Inc. The documents discuss various environmental tasks needed to proceed with redevelopment of the site.

The Phase I and Phase II ESA reports and the Pioneer Environmental, Inc. documents were provided to the WDNR on July 24, 2009 by Alderperson Satya Rhodes-Conway. Reportedly, the Alderperson became involved when she received complaints regarding the safety of the site. In response to the information provided to the WDNR, the LUST case was opened on July 24, 2009.

It appeared no further action had taken place at the site to specifically address the open LUST case. Terracon performed three Phase I ESAs for southwest and western portions of the site, which the owner was proposing to be subdivided from the site, and the adjoining property to the east. Based on the findings of those Phase I ESAs, investigations were conducted and three Limited Site Investigation (LSI) reports were prepared:

- Limited Site Investigation, Lot 2 of Proposed CSM, Part of 802 Packers Avenue and 1902 Tennyson Lane, Madison, Dane County, Wisconsin dated September 13, 2013, Terracon Project No. 58137074.

- Limited Site Investigation, Dedicated Area: Between Lot 3 and Lot 4 of Proposed CSM, Part of 1902 Tennyson Lane, Madison, Dane County, Wisconsin dated September 19, 2013, Terracon Project No. 58137075.

- Limited Site Investigation, Tennyson Ridge, Tennyson Lane and Eliot Lane, Madison, Dane County, Wisconsin dated August 11, 2016, Terracon Project No. 58167119.

The data collected from these LSIs indicated the impacts associated with the open LUST case had not migrated to the southwest and western portions of the site and the adjoining property to the east.

Terracon used the available Phase II ESA and LSI data to evaluate the extent of contamination, develop a conceptual site model, and develop a strategy for remediation to support development of the site. Terracon provided a *Site Investigation Status Report and Remedial Action Plan* to the WDNR on October 13, 2016. The remedy included the following elements:

- Completion of supplemental site investigation activities;
- Removal of structural impediments so two fuel oil USTs located near borings B-2 and B-8 could be removed;
- On-site management of up to 2,500 cubic yards of excavated, contaminated soil in accordance with NR 718, Wisconsin Administrative Code (WAC);
- Off-site disposal of excavated, contaminated soil that could be reused on-site at a licensed landfill;
- Use of elements of the development as an engineered barrier to manage potential direct-contact risk; and
- Use of natural attenuation to address the residual contamination

The *Site Investigation Status Report and Remedial Action Plan* included a material management plan to guide the evaluation, segregation, and placement of soil during construction.

In an October 24, 2016 letter, WDNR approved the *Site Investigation Status Report and Remedial Action Plan*. The WDNR-approved Remedial Action Plan included the on-site reuse of up to 2,500 cubic yards of excavated, contaminated soil.

1.2 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal.

1.3 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this investigation. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.4 Reliance

This report is prepared for the exclusive use and reliance of Tennyson Terrace, LLC. Use or reliance by any other party is prohibited without the written authorization of Tennyson Terrace, LLC and Terracon Consultants, Inc.

Reliance on this report by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

2.0 FIELD ACTIVITIES

2.1 Confirmation Soil Sampling and Remedial Excavations

2.1.1 Soil Boring B-7 Area

On October 31, 2016, Terracon utilized an on-site excavator operated by Parisi Construction to perform test pits for the collection of soil samples from the soil boring B-7 location. In addition, Terracon performed test pits in the cardinal directions 15 feet from B-7 in an attempt to delineate the impacts previously documented at this location. Soil samples were screened using a photoionization detector (PID) (RAE Systems, MiniRAE 3000) equipped with a 10.6 electron volt (e.V.) lamp to detect the presence of volatile organic compounds (VOCs). The PID was calibrated according to the manufacturer's instructions using isobutylene gas at a concentration of 100 parts per million volume (ppmv) prior to beginning the test pits. No PID readings were recorded over 1 ppmv. One soil sample was collected from each test pit (A, AN, AS, AE, and AW). The soil samples were collected at depths of 4 feet bgs (A), and 2 feet bgs (AN, AS, AE, and AW). The soil samples were collected in laboratory-supplied containers, placed in an ice chest to cool to approximately four degrees Celsius (4°C), and transported under chain-of-custody protocol to a Wisconsin-certified laboratory. The soil samples were submitted to the laboratory for analysis of VOCs by EPA method 8260, lead by EPA method 6010, and PAHs by EPA Method 8270. The locations of the B-7 test pits/soil samples are depicted on Exhibit 3, Appendix A.

VOCs were not detected in any of the samples collected from the B-7 area test pits. PAHs and lead were detected in one or more samples collected, however, the detections of most PAHs and lead were below their respective Residual Contaminant Levels (RCLs) and/or background threshold values (BTVs). The only PAH that exceeded its non-industrial direct contact RCL was from sample A collected at a depth of 4 feet bgs. The PAH and lead detections are summarized in Table 1, Appendix B. Laboratory reports are included in Appendix E. Because the only detection above a RCL was collected at 4 feet bgs in the test pit samples, the excavation boundaries for the B-7 area would extend to the test pit sample locations (BN, BS, BE, and BW) to a depth of 4 feet bgs.

On November 14, 2016, Terracon supervised Parisi Construction during the excavation and movement of soil from the soil boring B-7 area to the location that was excavated from the east tank. The reuse of this soil was conducted in accordance with the remedial action plan and WDNR-approved reuse of up to 2,500 cubic yards of excavated, contaminated soil. Prior to moving the excavated soil from the B-7 area, soils from the east tank area were excavated and disposed at a licensed landfill on November 10, 2016 (discussed in Tank System Site Assessments section below). This excavation area was fenced off and left open such that the soils from B-7 could be transferred into the excavation. Parisi Construction utilized an excavator and earth mover to transfer the soil from the soil boring B-7 area to the excavation area created by the east tank soil disposal excavation. An area that extended 15 feet in each direction from

boring B-7 (to the test pit sample locations collected on October 31, 2016) and to 4 feet bgs was transferred to the area where soil was disposed in the excavation from the east tank area. All the soil that was transferred from the B-7 area that was placed in the excavation was at a depth greater than 4 feet bgs to allow for 4 feet of soil cover over the B-7 soil prior to site grading. A total of approximately 140 cubic yards of soil was transferred to the east tank excavation area.

2.1.2 Soil Boring B-5/B5A Area

On October 31, 2016, Terracon utilized an on-site excavator operated by Parisi Construction to perform test pits for the collection of soil samples from the soil boring B-5/B5A location. In addition, Terracon performed test pits in the cardinal directions 15 feet from B-5/B-5A in an attempt to delineate the impacts previously documented at this location. Soil samples were screened using a PID to detect the presence of VOCs. No PID readings were recorded over 1 ppmv. One soil sample was collected from each test pit (B, BN, BS, BE, and BW). The soil samples were collected at depths of 4 feet bgs (B), and 2 feet bgs (BN, BS, BE, and BW). The soil samples were collected in laboratory-supplied containers, placed in an ice chest to cool to approximately 4°C, and transported under chain-of-custody protocol to a Wisconsin-certified laboratory. The soil samples were submitted to the laboratory for analysis of VOCs by EPA method 8260, lead by EPA method 6010, and PAHs by EPA Method 8270. The locations of the B-5/B-5A test pits/soil samples are depicted on Exhibit 3.

VOCs were not detected in any of the samples collected from the B-5/B-5A area test pits. PAHs and lead were detected in one or more samples collected, however, the detections of PAHs and lead were below their respective (RCLs and/or BTVs. The PAH and lead detections are summarized in Table 1, Appendix B. Laboratory reports are included in Appendix E. Because there were no detections above RCLs and/or BTVs in the test pit samples, the excavation boundaries for the B-5/B-5A area would extend to the test pit sample locations (BN, BS, BE, and BW) to a depth of 4 feet bgs.

On December 1, 2016, Terracon supervised Parisi Construction during the excavation and movement of soil from the soil boring B-5/B-5A area to the location under the proposed asphalt parking area south of the soil boring B-5/B-5A area. The reuse of this soil was conducted in accordance with the remedial action plan and WDNR-approved reuse of up to 2,500 cubic yards of excavated, contaminated soil. Prior to moving the excavated soil from the B-5/B-5A area, an area was excavated to approximately 10 feet bgs under the proposed asphalt area to create a vault for the soil to be placed. Once the excavation under the proposed asphalt area was completed, Parisi Construction utilized an excavator with a large bucket to transfer the soil from the B-5/B-5A excavation to the location of the vault under the asphalt area. An area that extended 15 feet in each direction from soil boring B-5/B-5A (to the test pit sample locations collected on October 31, 2016) and to 4 feet bgs was transferred to the vault area under the asphalt parking area. All the soil that was transferred from the B-5/B-5A area that was placed in the excavation vault was at a depth greater than 4 feet bgs to allow for 4 feet of soil cover over the B-5/B5A soil

prior to the asphalt placement. A total of approximately 133 cubic yards of soil was transferred to the area under the asphalt cover. Photographs of the excavation area and vault area are included in Appendix C.

2.1.3 Soil Boring B-10 Area

On November 9, 2016, Terracon utilized an on-site excavator operated by Parisi Construction to perform test pits for the collection of soil samples from the soil boring B-10 location. In addition, soil samples from the soil boring B-10 location were collected for landfill analysis to obtain a soil profile for disposal. Terracon collected soil samples from locations 20 feet to the northwest, southwest, northeast, and southeast of soil boring location B-10 to determine if potential PCB impacts extended away from the former transformer pad. (Exhibit 3). Soil samples were screened using a PID to detect the presence of VOCs. No PID readings were recorded over 1 ppmv. One soil sample was collected from each test pit (PCB area, NW, NE, SE, and SW). The soil samples were collected at depths of 4 feet bgs (PCB area), and 2 feet bgs (NW, NE, SE, and SW). The soil samples were collected in laboratory-supplied containers, placed in an ice chest to cool to approximately 4°C, and transported under chain-of-custody protocol to a Wisconsin-certified laboratory. The soil samples were submitted to the laboratory for analysis of PCBs by EPA method 8082. The PCB area sample for obtaining a landfill profile was analyzed for diesel range organics (DRO) and benzene by WI MOD DRO method, and WI MOD GRO, respectively. The locations of the B-10 test pits/soil samples are depicted on Exhibit 3, Appendix A.

Data from the test pit sampling contained no detections above the laboratory method detection limits for PCBs. Data from the PCB area sample contained DRO at a concentration of 2 mg/kg and GRO was not detected above the laboratory method detection limits. Laboratory reports are included in Appendix E. Because there were no PCB detections in the test pit samples, the excavation boundaries for the B-10 area would extend to the test pit sample locations (NW, NE, SW, and SE) to a depth of 2 feet bgs.

On December 1, 2016, Terracon supervised Parisi Construction during the excavation of potential PCB-impacted soils from the location around soil boring B-10. Excavation of soils was limited to an area corresponding to the test pit soil samples collected on November 9, 2016. The excavation area included the location of soil boring B-10 and out 20 feet out in all directions from B-10 (to the test pit sample locations) and to a depth of 2 feet bgs. Ten trucks were loaded with soil and transported to Waste Management Madison Prairie Landfill in Sun Prairie, Wisconsin. A total of 157.95 tons (approximately 119 cubic yards) of soil was disposed at the landfill from the area around soil boring B-10. Soil disposal documentation is included in Appendix D. Photographs of the excavation are included in Appendix C.

2.2 Materials Management Implementation

As part of the approved Remedial Action Plan, a materials management plan was implemented during site construction. Terracon was on site when excavation of new soils occurred to visually observe and to screen any newly excavated soils using a PID. To determine if soils were impacted, Terracon visually observed the soils being excavated and collected an aliquot of soil to screen using a PID at a frequency of approximately every 200 cubic yards excavated. Screening criteria included observation of visual impacts and/or a PID reading over 10 ppm in the soils excavated. If either of these conditions occurred the soils exhibiting these criteria would be temporarily stockpiled on site pending the decision for proper on-site management or off-site disposal. Terracon was on site 35 times between October 31, 2016 and June 1, 2017. There were no visual observations of impacts and no PID readings above 10 ppm in the soils observed outside of previously known impacts while Terracon was at the site. As such, no additional soils were stockpiled or disposed in addition to the known areas of impact.

2.3 Tank System Site Assessments (TSSA)

Future Environmental, Inc. of Franklin, Wisconsin, deployed a vacuum truck on November 9, 2016 to remove remaining apparent product and water/product mixtures from the USTs prior to the USTs being cleaned with soapy water and a pressure washer. The west tank (1,000-gallon fuel oil UST) contained approximately 200 gallons of clear liquid and the east tank (550-gallon fuel oil UST) contained approximately 150 gallons of clear liquid. The fluid generated from the cleaning of the USTs was also removed with the vacuum truck. The fluids were subsequently properly disposed. In total, approximately 400 gallons of liquid were removed from the two USTs prior to and during cleaning of the tanks. Disposal documentation for the residual tank liquid and cleaning liquids is included in Appendix D.

Following cleaning of the interior of the USTs, Southeast Tank, LLC supervised the removal of the two USTs. A copy of Part A of the Tank System Service and Closure Assessment Report (form ERS-8951 revised July 2013) is included in Appendix C. A copy of Part B of the ERS form 8951 is also included in Appendix C. Additionally, copies of form 7437, “Underground Flammable/Combustible/Hazardous Liquid Storage Tank Registration,” are attached in Appendix D.

Removal of the USTs required excavations to varying depths. Once the west fuel oil UST was removed, there was no staining, odors, or PID readings to suggest a release had occurred so a base and sidewall samples were collected on each side and at the base of the tank (soil confirmation samples West N, West S, West E, West W, and West Base). The soil excavated in the process of removing the west UST was placed back into the UST basin once the UST was removed, as evidence of a release from this tank was not apparent.

Upon removal of the east fuel oil UST, obvious staining and odors were noted beneath the UST.

Therefore, the excavation was expanded to a maximum depth of 18 feet bgs, and to the east of the tank approximately 22 feet. The excavation was advanced to the south of the tank approximately 12 feet, to the north approximately 6 feet, and to the west approximately 6 feet. Base and sidewall samples were collected from the native soil at the termination of the excavation (soil confirmation samples East N, East S, East E, East W, and East Base). Soil that was excavated from the east tank area was placed into dump trucks and hauled to Waste Management Prairie Landfill in Sun Prairie, Wisconsin. In addition, two soil investigative derived waste 55-gallon drums that were located on site (presumably from when Leisch performed the initial investigations) was also disposed with the soil from the east tank excavation. A total of 8 loads (184.58 tons) of soil was excavated and disposed at Waste Management Madison Prairie Landfill in Sun Prairie, Wisconsin. Documentation of the soil disposed at the landfill are attached in Appendix D. Photographs of the excavation are included in Appendix C.

Upon completion of the excavation, the areas were backfilled with clean material from the site. In addition, the soil excavated from the soil boring B-7 area was transferred into the base of the excavation such that the B-7 area soil was backfilled at a depth greater than 4 feet bgs to the final grade. Backfilling was done in 1-foot lifts and mechanically compacted using the excavator bucket.

The UST closure assessment activities were performed in general accordance with SPS 310, WAC, and the Assessment and Reporting of Suspected and Obvious Releases from Underground and Aboveground Storage Tank Systems form 10874 dated July 2013. The confirmation soil samples were collected from the limits of the excavation to document conditions of the soil left in place. The soil samples selected for laboratory analysis were placed in laboratory supplied containers, placed in an ice chest to cool to approximately 4°C, and transferred under chain-of-custody protocol to a Wisconsin-certified laboratory for analysis. Since the USTs appeared to previously contain fuel oil, the soil samples were submitted for laboratory analysis of VOCs as recommended in the “Assessment and Reporting of Suspected and Obvious Releases from Underground and Aboveground Storage Tank Systems” guidance document dated July 2013. In addition, as part of the approved RAP for the site, the confirmation soil samples were analyzed for PAHs and lead.

Lead was detected in all the confirmation samples collected as part of the TSSA, however, concentrations were below their respective RCLs and BTV. Lead concentrations ranged from 2.5 to 13.6 milligrams per kilogram (mg/kg) and were considered to be representative of background concentrations in the soil in this part of the state. There were no detections of VOCs or PAHs from the samples collected from the west tank confirmation samples. Multiple VOCs and PAHs were detected in the samples collected from the east tank confirmation samples. Concentrations of the VOCs and PAHs detected were all below their respective RCLs, indicating the excavation was successful at removing impacted soil from this area. The results of the confirmation soil sampling are summarized in Tables 2 and 3, Appendix B. Photographs are provided in Appendix C. The laboratory reports are included in Appendix E.

3.0 SOIL MANAGEMENT AND ENGINEERED BARRIER

The WDNR-approved Remedial Action Plan included the on-site reuse of up to 2,500 cubic yards of excavated, contaminated soil. As noted earlier, approximately 140 cubic yards of excavated soil was transferred from the boring B-7 area to partially backfill the fuel oil UST excavation. Approximately 130 cubic yards of soil was transferred from the soil boring B-5/B-5A area to the proposed asphalt parking area south of the soil boring B-5/B-5A area. Based on visual observations and PID readings, additional contaminated soil was not encountered during site development. The total volume of contaminated soil managed on-site was approximately 270 cubic yards, well below the 2,500 cubic yard volume approved for reuse under NR 718, WAC.

Approximately 157.95 tons of soil were excavated from the boring B-10 area and disposed of at the Waste Management Madison Prairie Landfill in Sun Prairie, Wisconsin. An additional 184.58 tons of soil were excavated from the east fuel oil UST area and disposed of at the Waste Management Madison Prairie Landfill. In total, approximately 342.53 tons of soil was excavated and disposed of at a licensed landfill.

The contaminated soil reused on the site was placed at a depth greater than 4 feet below ground surface. Clean soil and elements of the development were placed over each area. The surface cap consists of asphalt pavement associated with access roads and parking areas. Photographs of the engineered barrier elements are included in Appendix C. The locations of the reused soil and caps are shown on Exhibit 4.

4.0 SUMMARY AND RECOMMENDATIONS

The objective of this SSI/RADR was to delineate and remove or manage the known impacted soil in the vicinity of soil borings P-7, P-5/P-5A, and B-10, to close/remove two known USTs from the site, and to evaluate soil excavated during development of the site for potential impacts.

Test pits were excavated to obtain soil samples for delineation of the known impacts. Soil samples from test pits were generally below RCLs and/or background threshold values. The excavations for the known impacts at soil boring locations P-7, P-5/P-5A, and B-10 were performed as proposed, and the soil was either disposed at a licensed landfill (B-10 area) or transferred into vaults such that the impacted soil was placed at a depth greater than 4 feet bgs (B-5/B-5A and B-7 areas) and capped with elements of the development. Two previously identified fuel oil USTs were located, evacuated, cleaned, and removed. Based on apparent petroleum-impacted soil that was only observed beneath the east tank, additional soil was excavated. The east tank UST basin excavation was deepened an additional 18 feet. Potentially impacted soil was excavated and transported to a licensed landfill for disposal. Sidewall and base samples were collected, which indicated the impacts were removed with no soil remaining with concentrations exceeding their RCLs.

The WDNR-approved Remedial Action Plan included the on-site reuse of up to 2,500 cubic yards of excavated, contaminated soil. Approximately 140 cubic yards of excavated soil was transferred from the boring B-7 area to partially backfill the fuel oil UST excavation. Approximately 130 cubic yards of soil was transferred from the soil boring B-5/B-5A area to the proposed asphalt parking area south of the soil boring B-5/B-5A area. Based on visual observations and PID readings, additional contaminated soil was not encountered during site development. The total volume of contaminated soil managed on-site was approximately 270 cubic yards, well below the 2,500 cubic yard volume approved for reuse under NR 718, WAC.

The proposed supplemental investigation and subsequent remedy was successfully implemented, and the site was successfully redeveloped. Since the impacted soil was delineated during the test pit activities, removed from the site and properly disposed, or buried in vaults greater than 4 feet bgs and further capped with the development, it is Terracon's opinion that additional investigation or remediation is not needed. A request for site closure will be submitted.

5.0 GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained during this investigation and laboratory chemical analyses at the indicated locations discussed in this report. This report does not reflect variations in subsurface stratigraphy, hydrogeology, and contaminant distribution that may occur across the site. Actual subsurface conditions may vary and may not become evident without further investigation.

This report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon.

6.0 CERTIFICATIONS

I, Edmund A. Buc, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

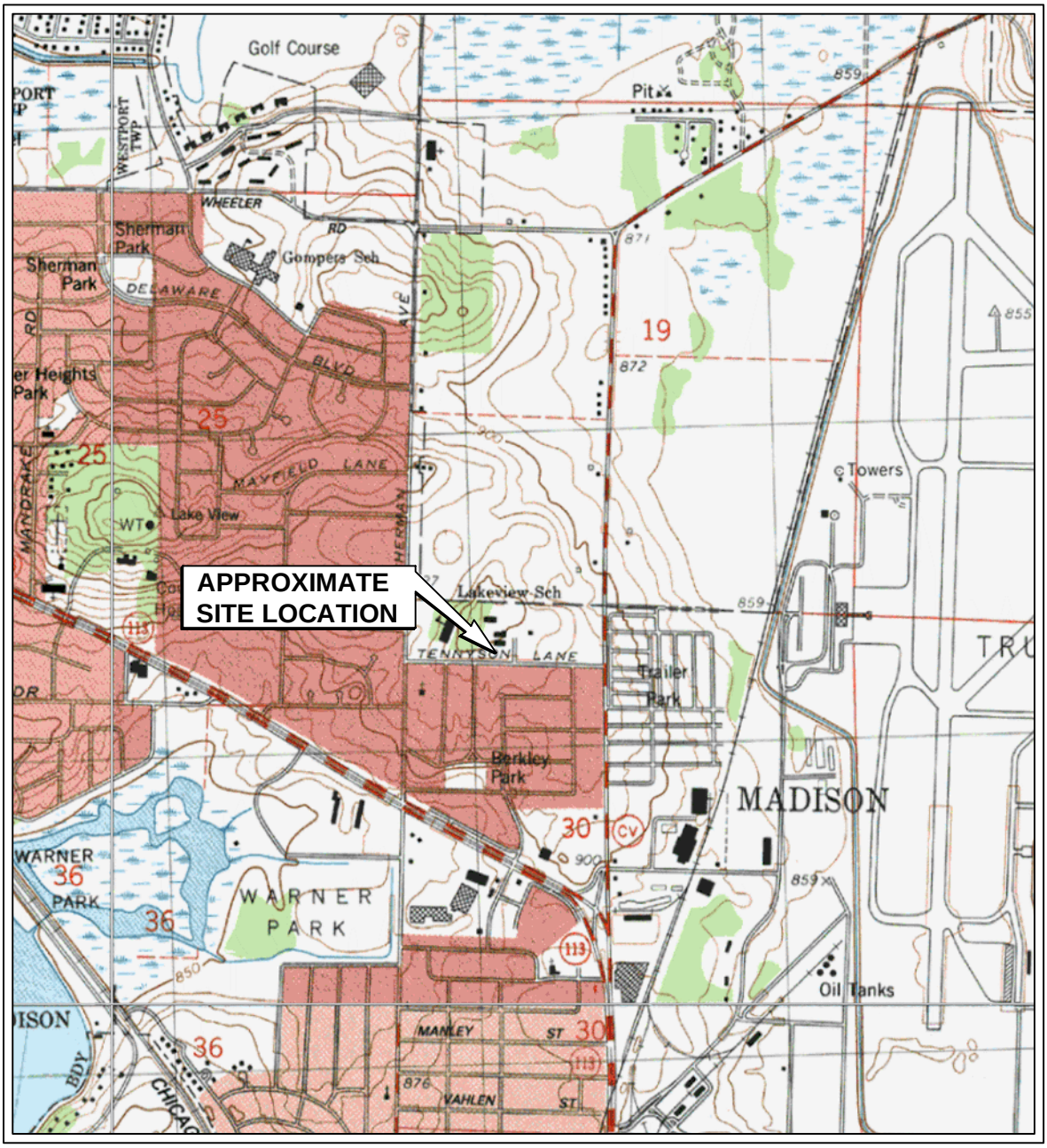
E-32096
Signature and P.E. number

Project Engineer
Title

Appendix A

Exhibits

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DE FOREST QUADRANGLE
DANE COUNTY
1983
7.5 MINUTE SERIES (TOPOGRAPHIC)

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	BRS
Drawn By:	JLM (41)
Checked By:	RMV
Approved By:	BRS

Project No.	58167157
Scale:	AS SHOWN
File No.	58167157
Date:	8/2017

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

TOPOGRAPHIC MAP

KELLER PROPERTY /PROPOSED TENNYSON RIDGE REDEVELOPMENT
1818 AND 1910 TENNYSON LANE
MADISON, WISCONSIN

EXHIBIT

1

(TOPOGRAPHIC)

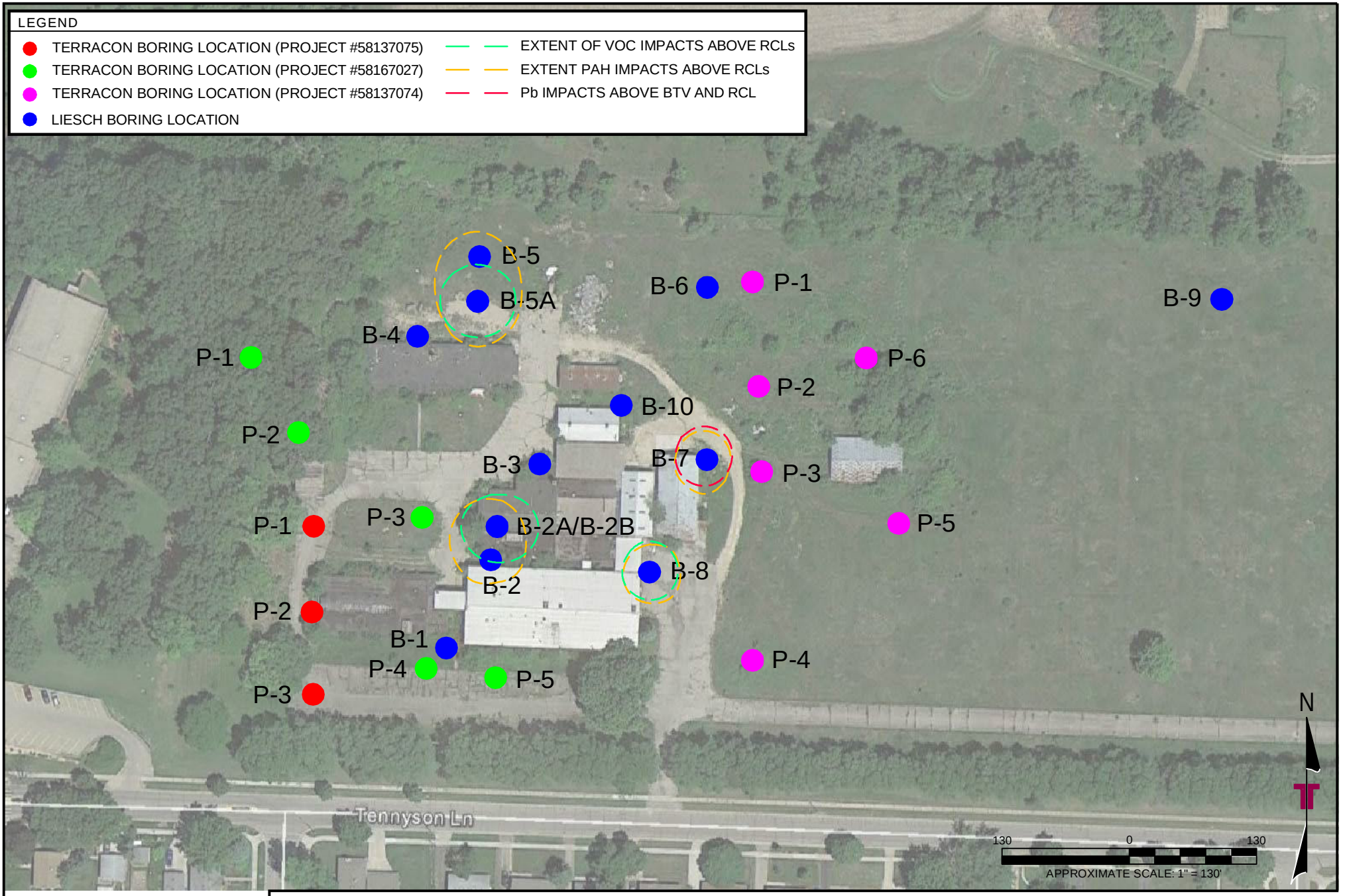


IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	BRS
Drawn By:	JLM (41)
Checked By:	PAL
Approved By:	BRS

Project No.	58167157
Scale:	AS SHOWN
File No.	58167157C1
Date:	8/2017

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

SAMPLE LOCATION MAP

KELLER PROPERTY /PROPOSED TENNYSON RIDGE REDEVELOPMENT
1818 AND 1910 TENNYSON LANE
MADISON, WISCONSIN

EXHIBIT
2

LEGEND

× TEST PITS AND SAMPLING LOCATIONS

APPROXIMATE EXCAVATION EXTENTS

IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	PAL
Drawn By:	JLM (41)
Checked By:	PAL
Approved By:	BRS

Project No.	58167157
Scale:	AS SHOWN
File No.	58167157C1
Date:	8/2017

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

TEST PITS, SAMPLING MAP AND EXCAVATION EXTENT

KELLER PROPERTY/ PROPOSED TENNYSON RIDGE REDEVELOPMENT
1818 AND 1910 TENNYSON LANE
MADISON, WISCONSIN

EXHIBIT 3

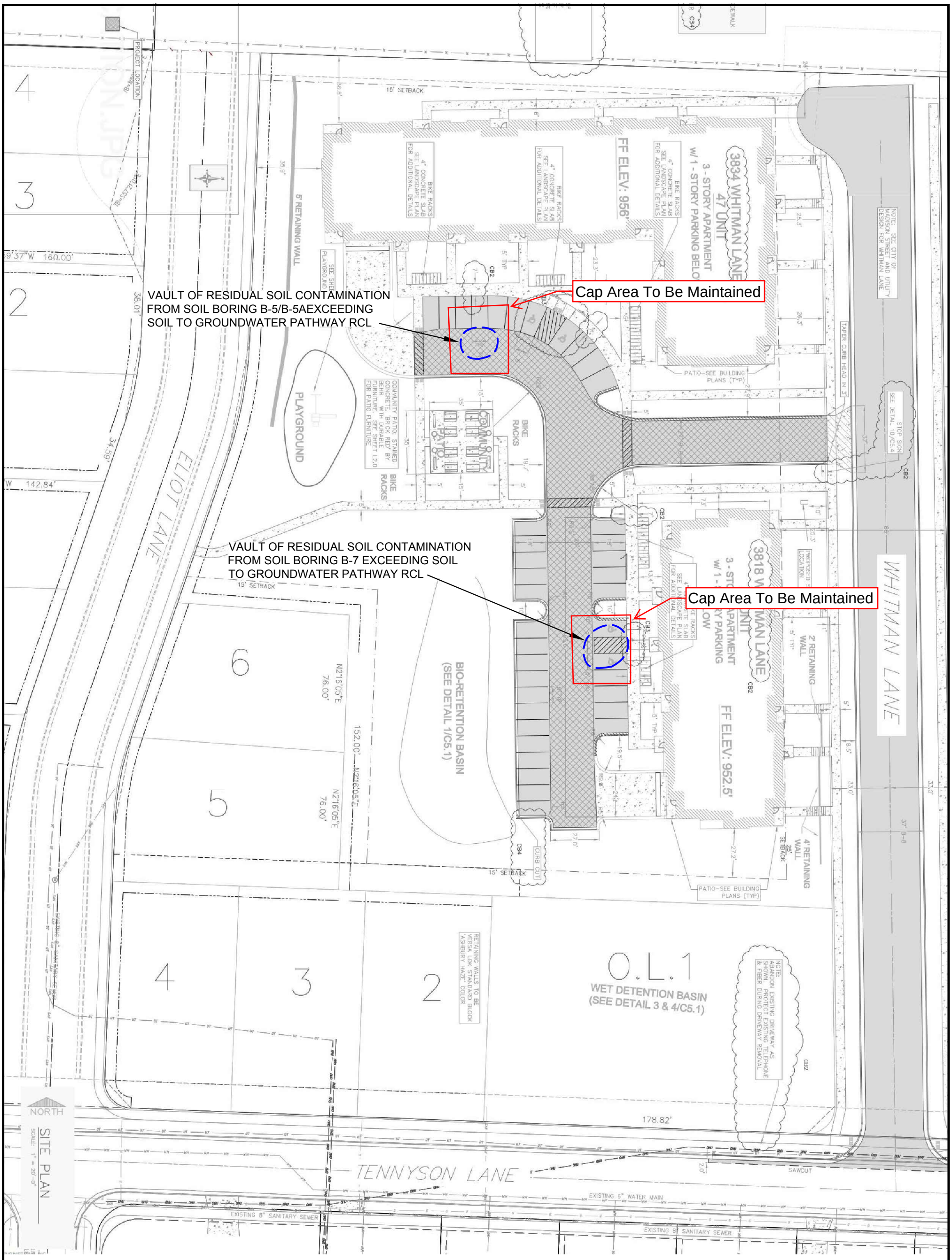


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	PAL
Drawn By:	JLM (41)
Checked By:	PAL
Approved By:	BRS
Project No.	58167157
Scale:	AS SHOWN
File No.	58167157C1
Date:	10/2017

Terracon
Consulting Engineers and Scientists
3535 HOFFMAN ROAD E WHITE BEAR LAKE, MN 55110
PH. (651) 770-1500 FAX. (651) 770-1657

LOCATION MAP

KELLER PROPERTY/ PROPOSED TENNYSON RIDGE REDEVELOPMENT
1818 AND 1910 TENNYSON LANE
MADISON, WISCONSIN

EXHIBIT 4

Appendix B

Tables

Table 1
Soil Analytical Test Results Summary for PAHs and Lead
Detected Compounds Only

Keller Property/Proposed Tennyson Ridge Redevelopment
Tennyson Lane/Whitman Lane
Madison, Wisconsin
Terracon Project No. 58167157

Sample ID	Sample Depth (feet)	Sample Date	PAHs (ug/kg)																	Lead (mg/kg)
			Acenapthene	Acenaphthylene	Anthracene	Benzo(a)anthrcene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Lead
A (4')	4	10/31/2016	9.2	13.9	40.1	129	**118**	186	81.0	52.8	139	27.2	196	10.3	62.6	65.9	96.7	61.4	218	186	13.9
AN (2')	2	10/31/2016	<4.9	<4.2	<7.2	<4.0	3.5	5.2	4.3	<3.2	<4.3	<2.8	<6.6	<5.2	3.4	<5.1	<6.3	<10.6	<14.7	<5.7	13.3
AS (2')	2	10/31/2016	<4.8	<4.1	<7.1	<4.0	<3.1	<3.5	<2.5	<3.1	<4.2	<2.8	<6.5	<5.2	<2.7	<5.0	<6.2	<10.5	<14.5	<5.6	13.7
AE (2')	2	10/31/2016	<5.0	<4.2	<7.3	9.5	12.2	19.9	19.5	7.2	15.4	4.1	27.0	<5.3	8.8	<5.1	<6.4	<10.8	<14.9	20.5	14.2
AW (2')	2	10/31/2016	<4.9	<4.2	<7.2	<4.0	<3.2	<3.6	<2.6	<3.2	<4.3	<2.8	<6.6	<5.2	<2.8	<5.1	<6.3	<10.7	<14.8	<5.7	15.1
B (4')	4	10/31/2016	<4.0	<3.4	<5.8	<3.2	<2.6	<2.9	<2.1	<2.6	<3.4	<2.3	<5.3	<4.2	<2.2	<4.1	<5.1	<8.6	<11.9	<4.6	0.77
BN (2')	2	10/31/2016	<4.1	<3.5	<6.0	<3.3	<2.6	<3.0	<2.1	<2.6	<3.5	<2.4	<5.5	<4.4	<2.3	<4.2	<5.3	<8.9	<12.2	<4.7	1.3
BS (2')	2	10/31/2016	<4.2	<3.5	<6.1	<3.4	<2.7	<3.0	<2.2	<2.7	<3.6	<2.4	<5.6	<4.5	<2.4	<4.3	<5.4	<9.1	<12.5	<4.9	3.1
BE (2')	2	10/31/2016	<4.1	<3.5	<6.0	<3.3	<2.6	4.0	4.2	4.0	3.8	<2.4	6.5	<4.4	<2.3	<4.2	<5.3	<8.9	<12.3	5.6	2.1
BW (2')	2	10/31/2016	<4.2	<3.5	<6.1	<3.4	<2.7	<3.0	4.8	<2.7	<3.6	<2.4	<5.6	<4.4	<2.4	<4.3	<5.4	<9.0	<12.5	<4.8	1.5
Non-Industrial Direct Contact RCL[1]			**3,590,000**	**--**	**17,900,000**	**1,140**	**115**	**1,150**	**--**	**11,500**	**115,000**	**115**	**2,390,000**	**2,390,000**	**1,150**	**17,600**	**239,000**	**5,520**	**--**	**1,790,000**	**400**
Industrial Direct Contact RCL[2]			45,200,000	--	100,000,000	20,800	2,110	21,100	--	211,000	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100		22,600,000	800
Soil to Groundwater Pathway RCL[3]			--	--	*196,949.2*	--	*470*	*478.1*	--	--	*144.2*	--	*88,877.8*	*14,829.9*	--	--	--	*658.2*	--	*54,545.5.*	*27*

Notes:

Samples designated with an "A" are from soil boring B-7 location (Liesch, 2005) and samples designated with a "B" are from soil boring B-5 location (Liesch, 2005)

PAH=Polycyclic Aromatic Hydrocarbons

PAH results expressed in micrograms per kilogram (ug/kg)

Lead results expressed in milligrams per kilogram (mg/kg)

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[2] Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[3] Protection of Groundwater RCLs (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December, 2018).

XX.XX	Bold and brown = Exceeds Non-Industrial Direct Contact RCL
XX.XX	Underlined and pink = Exceeds Industrial Direct Contact RCL
XX.XX	Italicized and blue = Exceeds Soil to Groundwater Pathway RCL
--	Dashed lines = No established standard

Table 2
Soil Analytical Test Results Summary for VOCs
Detected Compounds Only
Tank System Site Assessment Confirmation Samples
Keller Property/Proposed Tennyson Ridge Redevelopment
Tennyson Lane/Whinman Lane
Madison, Wisconsin
Terracon Project No. 58167157

Boring ID	Sample Depth (feet)	Matrix (Fill or Native Soil)	Saturated / Unsaturated	Sample Date	PID (ppmv)	VOCs										
						n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	o-Xylene
West Tank (1,000 Gallon Fuel Oil)																
West N	5	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
West S	5	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
West E	5	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
West W	5	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
West Base	6	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
East Tank (550 Gallon Fuel Oil)																
East N	4	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
East W	4	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
East E	4	Native	Unsaturated	4/26/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
East Base	18	Native	Unsaturated	4/26/2017	890	270	332	41.2	74.2	179	383	131	381	97.0	143	33.2
East S	6	Native	Unsaturated	4/25/2017	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0
Non-Industrial Direct Contact RCL[1]						**108,000**	**145,000**	**8,020**	**268,000**	**162,000**	**5,520**	**264,000**	**219,000**	**182,000**	**260,000**	
Industrial Direct Contact RCL[2]						108,000	145,000	35,400	268,000	162,000	24,100	264,000	219,000	182,000	260,000	
Soil to Groundwater Pathway RCL[3]						--	--	*1,570*	--	--	*658.2*	--	*1,378.7*		*3,960*	

Notes:
VOCs = Volatile Organic Compounds
PID = Photoionization Detector
ppmv = parts per million by volume
µg/kg = micrograms per kilogram

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).
[2] Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[3] Protection of Groundwater RCLs per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated March 2017).

XX.XX	Bold and brown = Exceeds Non-Industrial Direct Contact RCL
XX.XX	Underlined and Pink = Exceeds Industrial Direct Contact RCL
XX.XX	Italicized and blue = Exceeds Soil to Groundwater Pathway RCL
--	Dashed lines = No established standard or not sampled

Table 3
Soil Analytical Test Results Summary for PAHs and Lead
Detected Compounds Only
Tank System Site Assessment Confirmation Samples
Keller Property/Proposed Tennyson Ridge Redevelopment
Madison, Wisconsin
Terracon Project No. 58167157

Sample ID	Sample Depth (feet)	Matrix (Fill or Native Soil)	Saturated or Unsaturated	Sample Date	PID (ppmv)	PAH (ug/kg) Acenaphthene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Lead (mg/kg) Lead
West Tank (1,000 Gallon Fuel Oil)																					
West N	5	Native	Unsaturated	4/26/2017	<1	<4.7	<3.9	<3.0	<3.4	<2.5	<3.0	<4.1	<6.3	<5.0	<2.7	<4.9	<6.1	<10.2	<14.1	<5.5	10.8
West S	5	Native	Unsaturated	4/26/2017	<1	<4.8	<3.9	<3.1	<3.5	<2.5	<3.1	<4.2	<6.5	<5.1	<2.7	<5.0	<6.2	<10.4	<14.4	<5.6	12.2
West E	5	Native	Unsaturated	4/26/2017	<1	<4.7	<3.8	<3.0	<3.4	<2.4	<3.0	<4.1	<6.3	<5.0	<2.7	<4.9	<6.0	<10.2	<14.0	<5.4	9.6
West W	5	Native	Unsaturated	4/26/2017	<1	<4.6	<3.8	<3.0	<3.4	<2.4	<3.0	<4.0	<6.2	<4.9	<2.6	<4.8	<6.0	<10.1	<13.9	<5.4	13.6
West Base	6	Native	Unsaturated	4/26/2017	<1	<4.3	<3.5	<2.8	<3.1	<2.2	<2.8	<3.7	<5.8	<4.6	<2.4	<4.5	<5.5	<9.3	<12.9	<5.0	3.1
East Tank (550 Gallon Fuel Oil)																					
East N	4	Native	Unsaturated	4/26/2017	<1	<4.3	<3.5	<2.8	<3.1	<2.2	<2.8	<3.7	<5.7	<4.5	<2.4	<4.4	<5.5	<9.3	<12.8	<5.0	3.8
East W	4	Native	Unsaturated	4/26/2017	<1	<4.2	<3.5	4.0	7.0	6.4	3.4	<3.7	<5.7	<4.5	4.7	<4.4	<5.5	<9.2	<12.7	<4.9	2.5
East E	4	Native	Unsaturated	4/26/2017	<1	<4.3	4.4	4.2	7.6	5.5	3.6	5.8	8.4	<4.6	4.3	<4.5	<5.5	<9.3	<12.9	5.9	3.3
East Base	18	Native	Unsaturated	4/26/2017	890	65.5	<33.8	<26.8	<30.1	<21.7	<26.8	<36.0	<55.5	147	<23.4	542	658	200	381	237	3.3
East S	6	Native	Unsaturated	4/25/2017	<1	<4.5	<3.7	<2.9	<3.3	<2.4	<2.9	<3.9	<6.1	<4.8	<2.6	18.7	26.5	50.0	<13.6	<5.3	6.6
Non-Industrial Direct Contact RCL[1]						**3,590,000**	**1,140**	**115**	**1,150**	**--**	**11,500**	**115,000**	**2,390,000**	**2,390,000**	**1,150**	**17,600**	**239,000**	**5,520**	**--**	**1,790,000**	**400**
Industrial Direct Contact RCL[2]						45,200,000	20,800	2,110	21,100	--	211,000	2,110,000	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	--	22,600,000	800
Soil to Groundwater Pathway RCL[3]						--	--	*470*	*478.1*	--	--	*144.2*	*88,877.8*	*14,829.9*	--	--	--	*658.2*	--	*54,545.5*	*27*
Statewide Background Threshold Value [4]						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**52**

Notes:
PID=Photoionization Detector
PAH=Polycyclic Aromatic Hydrocarbons
DRO=Diesel Range Organics
ppmv = parts per million by volume
Results expressed in micrograms per kilogram (ug/kg)
DRO and Lead results expressed in milligrams per kilogram (mg/kg)

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[2] Industrial Residual Contaminant Levels (RCLs) for Direct Contact (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[3] Protection of Groundwater RCLs (June 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[4]Wisconsin Department of Natural Resources Statewide Background Threshold Value (BTV), July 2015

XX.XX	Bold and brown = Exceeds Non-Industrial Direct Contact RCL
XX.XX	Underlined and pink = Exceeds Industrial Direct Contact RCL
XX.XX	Italicized and blue = Exceeds Soil to Groundwater Pathway RCL
XX.XX	Bold only = Exceeds BTV
--	Dashed lines = No established standard or not sampled

Appendix C

Photographic Log of Remediation Activities

Photo #1 View looking west at B-5/B-5A area prior to excavation.

Photo #2 View looking south at B-5/B-5A excavation area.

Photo #3 View looking south at B-5/B-5A excavation area.

Photo #4 View looking south at B-5/B-5A excavation area after excavation was completed.

Photo #5 View of “vault area” where soil excavated from B-5/B-5A area was placed.

Photo #6 View looking east at B-10 excavation area prior to excavation

Photo #7 View looking north east at B-10 excavation area during excavation.

Photo #8 View looking east at B-10 excavation area during excavation.

Photo #9 View looking east at B-10 excavation area after excavation was completed.

Photo #10 View of west tank prior to removal.

Photo #11 View of west tank prior to removal, after liquid removal and cleaning.

Photo #12 View of west tank excavation after west tank removed.

Photo #13 View looking north west at east tank during liquid removal/cleaning prior to removal.

Photo #14 View looking west of east tank during liquid removal/cleaning prior to removal.

Photo #15 View looking west at east tank excavation after west tank removed.

Photo #16 View looking east at east tank excavation after west tank removed. This is the “vault” for the soil excavated from soil boring B-7 area.

Photo #17 View looking at east tank excavation.

Photo #18 View looking north from south west corner of site after remedial activities completed and during redevelopment.

Photo #19 View looking north from south west corner of site after remedial activities completed and during redevelopment.

Photo #20 View looking south from Elliot Lane during construction of Elliot Lane

Photo #21 View looking east at redevelopment activities near north portion of site.

Photo #22 View looking south towards retention pond in south portion of site.

Photo #23 View looking south east towards retention pond in south portion of site.

Photo #24 View looking north from central portion of site showing redevelopment activities.

Photo #25 View looking south at southern cap area.

Photo #26 View looking north at southern cap area.

Photo #27 View looking east at southern cap area.

Photo #28 View looking west at southern cap area.

Photo #29 View looking south at northern cap area.

Photo #30 View north at northern cap area.

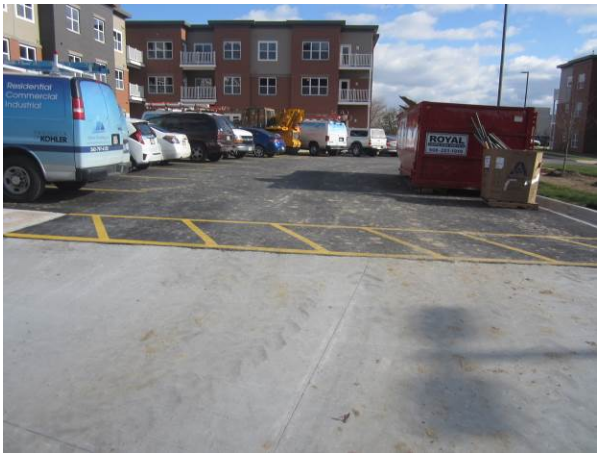


Photo #31 View looking east at northern cap area.

Photo #32 View looking west at northern cap area.

Appendix D

Documentation

B-10 Excavation area Manifests

Date	Profile #	Manifest #	Ticket #	Material	Facility	Tons / Tonnes	Material Quantity	Material Unit
12/01/2016	V126254WI	8	346070	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	23.06	23.06	TON
12/01/2016	V126254WI	7	346069	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	19.28	19.28	TON
12/01/2016	V126254WI	6	346068	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	18.77	18.77	TON
12/01/2016	V126254WI	5	346067	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	19.60	19.60	TON
12/01/2016	V126254WI	4	346061	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	18.79	18.79	TON
12/01/2016	V126254WI	3	346060	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	23.16	23.16	TON
12/01/2016	V126254WI	2	346055	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	18.21	18.21	TON
12/01/2016	V126254WI	1	346054	LOW LEVEL PCB CONTAMINATED SOIL	Madison Prairie RDF	17.08	17.08	TON

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935 DANE	WMNA 1
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone
Missy 63		
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address MADISON PRAIRIE LANDFILL 6002 NELSON RD SUN PRAIRIE, WI 53590	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 414-529-6180

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			17.08	Tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Venaleer	Pat on behalf of Tennyson Ridge LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott Waugh	Scott Waugh	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lisa Olson	Lisa Olson	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935
DANE

A. Manifest Number WMNA 2

B. State Generator's ID

5. Transporter 1 Company Name Missy 59

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MADISON PRAIRIE LANDFILL
6002 NELSON RD
SUN PRAIRIE, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	4. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			18.21	TNS	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Vendeln	Paul Vendeln on behalf of Tennyson Ridge LLC	12	1	16

TRANSPORTER

17. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Mike Anderson	Mike Anderson	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Missy	Missy	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935 DANE	WMNA 03
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
MISSI #63		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
MADISON PRAIRIE LANDFILL 6002 NELSON RD SUN PRAIRIE, WI 53590		H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			23.16	tons	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Lemmler	on behalf of Tennyson Ridge LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Scott Waugh	Scott Waugh	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935
DANE

A. Manifest Number WMNA 4

B. State Generator's ID

5. Transporter 1 Company Name Missy 59

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MADISON PRAIRIE LANDFILL
6002 NELSON RD
SUN PRAIRIE, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			18.79	TN	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Linder	PL on behalf of Tennyson Ridge, LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Mike Anderson	Mike Anderson	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935
DANE

A. Manifest Number WMNA 5

B. State Generator's ID

5. Transporter 1 Company Name MISSI 63

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MADISON PRAIRIE LANDFILL
6002 NELSON RD
SUN PRAIRIE, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			19.10	TN	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Lendon	PL on behalf of Tennyson Ridge, LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott Waugh	Scott Waugh	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935
DANE

A. Manifest Number WMNA 6

B. State Generator's ID

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name Missy 59

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MADISON PRAIRIE LANDFILL
6002 NELSON RD
SUN PRAIRIE, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 414-529-6180

GENERATOR 11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			18.77	tm	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Grala	PL on behalf of Tennyson Ridge, LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Mike Anderson	[signature]	12	6	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lisa Oks	[signature]	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 54935 DANE	WMNA 7
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Missy 13		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
MADISON PRAIRIE LANDFILL 6002 NELSON RD SUN PRAIRIE, WI 53590		H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			19.28	TON	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Wade	Tennyson Ridge LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott Waugh	Scott Waugh	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lisa Wise	Lisa Wise	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY

Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 54935
DANE

A. Manifest Number WMNA 8

B. State Generator's ID

5. Transporter 1 Company Name Missy 59

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MADISON PRAIRIE LANDFILL
6002 NELSON RD
SUN PRAIRIE, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 414-529-6180

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. LOW LEVEL PCB CONTAMINATED SOIL V126254WI			23.06	TONS	
b. Waste Name WM Profile #					
c. Waste Name WM Profile #					
d. Waste Name WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature] Tennyson Ridge, LLC	12	1	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Mike Anderson	Mike Anderson	12	1	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[illegible]	[signature]	12	1	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

CITY OF MADISON FIRE DEPARTMENT

Fire Prevention Division
30 W. Mifflin St. – 9th Floor, Madison, WI 53703-2579
Phone: 608-266-4420 • FAX: 608-267-1153

RECEIVED
NOV 10 2016
MADISON FIRE DEPARTMENT
FIRE PREVENTION

TANK CLOSURE APPLICATION

ANTICIPATED DATE OF CLOSURE

Application is made to the Madison Fire Department to:
- ☐ place tank system temporarily out of service
- ☒ close tank system by removal
- ☐ close tank system in place (approval required prior to submittal of application)
- ☐ use a UST system to store a non-regulated substance (change-in-service)

APPROVAL REQUIRED: Approval is required for the closure of any tank system. "Tank system" includes aboveground and underground storage tanks in excess of 60 gallons and system components to include but not limited to piping, vents, leak detection, cathodic protection and spill/over fill protection systems. Approval of the closure plan is required at least 15 days in advance of the closure date.
DIRECTIONS: Submit this form, three copies of the site plot plan and the required fee to the address in the upper right corner of this page. The check is to be made payable to: City of Madison, Treasurer. Each submittal must include a plot plan drawn to scale and showing: 1) property lines, 2) buildings, 3) tanks, 4) piping, 5) streets, 6) overhead and underground utilities, 7) limits of the excavation, 8) temporary location of excavated dirt and backfill.

FEES: Plan review..... $50.00
Site inspection..... first tank $75.00 *(Fees will be doubled upon failure to initiate approval prior to closure.)*
Each additional tank..... $50.00

NOTICE OF APPROVAL: Two copies of the plans and a letter of approval or conditional approval will be returned to the closure company after review.
GENERAL REQUIREMENTS: Individual holding remover certification must be on-site. Portable fire extinguishers with a rating of 2A-40B:C must be on-site. Closure company is required to have a calibrated flammable vapor indicator or equivalent instrumentation to determine the percentage of the lower explosive limit, and/or the percentage of oxygen.

(Please Print)

1. INSTALLATION NAME		2. OWNER NAME	
Tennyson Terrace LLC		Same	
☒ CITY ☐ VILLAGE ☐ TOWN OF:		OWNER STREET ADDRESS	
Madison		448 W. Washington Ave	
INSTALLATION STREET ADDRESS	☒ CITY ☐ VILLAGE ☐ TOWN OF:	STATE	ZIP CODE
1902 Tennyson Ln	Madison	WI	53703

STATE	ZIP CODE	COUNTY	COUNTY	TELEPHONE NO. (Include Area Code)
Wisconsin	53704	Dane	Dane	

3. CLOSURE COMPANY NAME	CLOSURE COMPANY STREET ADDRESS, CITY, STATE, ZIP CODE
Southeast Tank LLC	W150 S8234 Harvest Ct

COMPANY TELEPHONE NO. (Include Area Code)	CERTIFIED REMOVER NAME	REMOVER CERTIFICATION NO.
414-257-0030	Brian James	401529

4. NAME OF COMPANY PERFORMING CLOSURE ASSESSMENT	ASSESSMENT COMPANY STREET ADDRESS, CITY, STATE, ZIP CODE
Terracon Consultants Inc.	9856 S. 57th St Franklin, WI

COMPANY TELEPHONE NO. (Include Area Code)	CERTIFIED ASSESSOR NAME	ASSESSOR CERTIFICATION NO.
414-423-0255		

TANK I.D. #	CLOSURE	TEMPORARY CLOSURE	CLOSURE IN PLACE	TANK CAPACITY	CONTENTS*	CLOSURE ASSESSMENT
1. N/a	☒	☐	☐	1000	04	☒ Yes ☐ No
2. N/A	☒	☐	☐	550	04	☒ Yes ☐ No
3.	☐	☐	☐			☐ Yes ☐ No
4.	☐	☐	☐			☐ Yes ☐ No
5.	☐	☐	☐			☐ Yes ☐ No
6.	☐	☐	☐			☐ Yes ☐ No

*Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste Oil; 13-Chemical (Indicate the chemical name(s) or number(s) _____); 14-Kerosene; 15-Aviation

Is right of way encroachment required? ☐ Yes ☐ No
Is site contamination suspected ☐ Yes ☐ No
Was Diggers Hotline contacted? ☒ Yes ☐ No
Has a site safety plan been prepared? ☐ Yes ☐ No

SIGNATURE OF CERTIFIED REMOVER	DATE
Brian James	11/05/2016
CLOSURE APPLICATION APPROVED BY:	DATE
MADISON FIRE PROTECTION ENGINEERING UNIT	FIRTKR-2016-01051 11/5/16

TR-WM-121 (12/15)
Formerly ERS-9198 (R. 7/13)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures, Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.115
§ATCP 93.350

ATCP 93 NOTIFICATION RECORD

Personal information you provide may be used for purposes other than that for which it was originally collected (s.15.04 (1)(m) Wis. Stats.).

TO: Fire Prevention MFD **OFFICE LOCATION:** Madison Wisconsin

(Refer to the web site: >http://datcp.wi.gov/Consumer/Weights_and_Measures/Admin_and_Technical_References/Index.aspx < for the authorized agent/department for the specific jurisdiction.)

Note: Only the notification form is required for non-flammable, non-combustible, hazardous liquid, or CERCLA tanks greater than or equal to 5,000 gallon capacity that are under the direct supervision of a qualified engineer. A plan review is not required. (ATCP 93.350(2)(b)).

LOCATION / IDENTIFICATION (Please print or type)

Site Name Tennyson Terrace LLC			**Site Street Address** 1902 Tennyson Ln	
☒ City ☐ Village ☐ Town of: Madison			**State** Wisconsin	**Zip Code** 53704
Facility Number N/A			**Fire Department providing fire protection coverage:** Madison	
Owner Name Tennyson Terrace LLC	**Telephone** ( )		**Email Address**	
Owner Street or P.O. Address 448 Washington Ave	☐ City ☐ Village ☐ Town of: Madison		**State** WI	**Zip Code** 53703

Name of Contractor: Southeast Tank

Address of Contractor: W150 S8234 Harvest Court

City/Town: Muskego, WI 53150

Telephone Number: (414) 257-0030 **Cell Number:** (414) 588-0501

E-mail Address: Southeasttank@gmail.com

Date work is to begin: 11/09/2016

Date/Time Requested for tank inspection: 11/09/2016 Late Morning

ATCP 93 certified installer supervisor or qualified engineer:

Project will involve: *(Check all that apply)*	Check UST	Check AST	Number of tanks	Plan Number	Approval Date
Tank Installation	☐	☐			
Dispenser POS Conversion	☐	☐			
Piping Installation or Upgrade	☐	☐			
Leak Detection Upgrade	☐	☐			
Spill or Overfill Protection	☐	☐			
Cathodic Protection or Interior Lining	☐	☐			
CERCLA Chemical Tank(s) Only	☐	☐		Send notice to DATCP (use address above)	
Tank Closure	☒	☐	2		

Site assessment conducted by: Terracon

Comments:

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures, Permits and Licensing
P.O. Box 7837
Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.560

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

CHECK ONE: ☒ UNDERGROUND ☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE 'N/A' BOX

Complete One Form for **Each System Service Event**

The information you provide may be used for purposes other than for which it was originally intended (s.15.04 (1) (m), Wis. Stats.).

Part A – To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION (Please Print)

1. Facility Name: Keller Property	2. Owner Name: Tennyson Terrace LLC
Facility Street Address (not P.O. Box): 1902 Tennyson Ln	3. Contact Name: Job Title:
Municipality: Madison	Mailing Address: 448 West Washington Ave
☒ City ☐ Village ☐ Town of: Madison	Post Office: Madison State: WI Zip Code: 53704
Zip Code: 53703 County: Dane	County: Dane Telephone No. (include area code): ( )
4. Primary Service Contractor Section A above: Southeast Tank LLC	Service Contractor Street Address: W150 S8234 Harvest Ct
Service Contractor Telephone No. (include area code): (414) 257-0030	Service Contractor City, State, Zip Code: Muskego, WI 53150

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g		h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		If "Yes" to "g", Then Specify Source & Cause of Release[5]	
								Source of Release[3]	Cause of Release[4]
N/A	P	STEEL	COATED STEEL	1000	F.O.	☐ Y	☐ N		
N/A	P	STEEL	COPPER	550	F.O.	☒ Y	☐ N	T	C
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place
2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s):

CAS number(s):

3. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other, UNK = Unknown
4. Cause of release: S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other, UNK = Unknown
5. Has release been reported to the Department of Natural Resources? ☐ Yes ☒ No ☐ Release not evident at this time

Part A Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/16)
Formerly ERS-8951 (R. 07/13)

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 5 days in advance of closure date. ☐ Y ☒ N

All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

☒ UST Form TR-WM-137 or ☐ AST Form TR-WM-116 filed by owner with the DATCP indicating closure. ☒ Y ☐ N ☐ NA

NOTE: TANK INVENTORY FORM TR-WM-137 or TR-WM-116 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST

D.1 ☐ TEMPORARILY OUT-OF-SERVICE 1. Product removed.	Remover Verified	Inspector Verified	NA
a. Product lines drained into tank (or other container) and liquid removed, and	☐Y ☐N	☐Y ☐N	☐
b. All product removed to bottom of suction line, OR	☐Y ☐N	☐Y ☐N	☐
c. All product removed to within 1" of bottom.	☐Y ☐N	☐Y ☐N	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐Y ☐N	☐Y ☐N	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐Y ☐N	☐Y ☐N	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐Y ☐N	☐Y ☐N	☐
5. Vent lines left open.	☐Y ☐N	☐Y ☐N	☐
6. Inventory form filed indicating temporarily out-of-service (TOS) closure.	☐Y ☐N	☐Y ☐N	☐
D.2. ☒ CLOSURE BY REMOVAL OR IN-PLACE			
1. General Requirements			
a. Product from piping drained into tank (or other container).	☒Y ☐N	☒Y ☐N	☐
b. Piping disconnected from tank and removed.	☒Y ☐N	☒Y ☐N	☐
c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps.	☒Y ☐N	☒Y ☐N	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒Y ☐N	☒Y ☐N	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒Y ☐N	☒Y ☐N	☐
f. Vent lines left connected until tanks purged.	☐Y ☐N	☐Y ☐N	☒
g. Tank openings temporarily plugged so vapors exit through vent.	☐Y ☐N	☐Y ☐N	☒
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☒Y ☐N	☒Y ☐N	☐
2. Specific Closure-by-Removal Requirements			
a. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒Y ☐N	☒Y ☐N	☐
b. Tank cleaned before being removed from site.	☒Y ☐N	☒Y ☐N	☐
c. Tank labeled in 2" high letters after removal but before being moved from site.	☒Y ☐N	☒Y ☐N	☐
NOTE: **COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.**			
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☒Y ☐N	☒Y ☐N	☐
e. Site security is provided while the excavation is open.	☒Y ☐N	☒Y ☐N	☐
3. Specific Closure-In-Place Requirements NOTE: **CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP) OR LOCAL AGENT.**			
a. Tank properly cleaned to remove all sludge and residue.	☐Y ☐N	☐Y ☐N	☒
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	☐Y ☐N	☐Y ☐N	☒
c. Vent line disconnected or removed.	☐Y ☐N	☐Y ☐N	☒
d. Inventory form filed by owner with the DATCP indicating closure in-place.	☐Y ☐N	☐Y ☐N	☒

E. ☐ REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 5 days in advance of service date. ☐ Y ☐ N ☐ NA

All local permits were obtained before beginning service. ☐ Y ☐ N ☐ NA

Form TR-WM-137 or ☐ TR-WM-116 filed by owner with the DATCP indicating change-in-service. ☐ Y ☐ N ☐ NA

F. METHOD OF VAPOR FREEING OF TANK

☒ Displacement of vapors by eductor or diffused air blower.
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO_2 or N_2 NOTE: **INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Readings of 10% or less of the lower flammable range (LEL) or 8% oxygen obtained before removing tank from ground.

☒ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☒ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

G. REMOVER/CLEANER INFORMATION

Brian James	[signature]	401528	11/09/2018
Remover/Cleaner Name (print)	Remover/Cleaner Signature	Certification No.	Date Signed

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with ATCP 93.

Company expected to perform soil contamination assessment: Terracon Consultants

H. INSPECTOR INFORMATION

Doug Micks	[signature]	401421	42
Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:

1301	608-261-9849	11/9/16
FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-137 (11/16) Formerly ER8 7437 (3/13)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
PO Box 7837 Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY
TDID#:
Reg Obj #:
Wis. Admin. Code §ATCP 93.140

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated above. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No

If yes, are you correcting/updating information only? ☐ Yes ☐ No

This registration applies to a tank status that is *(check one)*:

☐ In Use ☐ Abandoned with Product (empty) ☐ Closed – Filled with Inert Materials
☐ Newly Installed ☐ Abandon with Water ☐ Ownership Change (Indicate new owner name in block 2 – *attach deed)*
☐ Abandoned with Product ☒ Closed - Tank Removed ☐ Temporarily Out of Service – Provide Date:

Fire Dept. providing fire coverage where tank is located: ☒ CITY ☐ TOWN ☐ VILLAGE

IDENTIFICATION (Please Print)

1. TANK SITE NAME: Keller Property	COUNTY: Dane	PHONE: ( ) -	
SITE STREET ADDRESS: 1902 Tennyson Ln	☒ CITY ☐ VILLAGE ☐ TOWN OF: Madison	STATE: WI	ZIP: 53704
2. TANK OWNER LEGAL NAME: Tennyson Terrace LLC	COUNTY: Dane	PHONE: Check ☐ CELL or ☐ LAND ( ) -	
MAILING ADDRESS: 448 West Washington Ave	☒ CITY ☐ VILLAGE ☐ TOWN OF: Madison	STATE: WI	ZIP: 53703
3. PROPERTY OWNER NAME *(if different from Tank Owner Legal Name #2)*	COUNTY *(if different from County #2)*		
PROPERTY OWNER ADDRESS *(if different from Site Street Address #1)*	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE: WI	ZIP:

4. CLASS A NAME	DOB	CERTIFICATION: (Attach certificate)
5. CLASS B NAME	DOB	CERTIFICATION: (Attach certificate)

SITE ID: N/A	**FACILITY ID #** N/A	**CUSTOMER ID #** N/a
Tank Capacity (gallons): 550	Tank Age (age or date installed): Unknown	Vehicle fueling: ☐ Yes ☒ No

LAND OWNER TYPE *(check one)* Refer to back

☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

OCCUPANCY TYPE *(check one)* Refer to back

☐ Retail Fuel Sales ☐ Coated Steel ☐ Stainless steel ☒ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify):

TANK CONSTRUCTION:

☐ Bare Steel ☒ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): ☐ Lined (date):

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

TANK CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY TANK LEAK DETECTION METHOD: ☐ Automatic tank gauging ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☒ Unknown

PIPING CONSTRUCTION: ☐ Single Wall ☐ Double Wall:

☐ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Fiberglass ☐ Flexible ☒ Copper ☐ Unknown ☐ N/A ☐ Other:

PIPING CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY PIPING SYSTEM TYPE: ☐ Pressurized piping with ⇨ ☐ A. Pump auto shutoff - ELLD ☐ B. Flow restrictor – MLLD ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

PIPING LEAK DETECTION METHOD: ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ⇨ Sump or cable sensor ☐ Yes ☐ No
☐ Tightness testing ☐ Electronic line monitor - ELLD ☐ SIR ☐ Not required ☒ Unknown

TANK CONTENTS *(Current, or previous product (if tank now empty))*

☐ Leaded ☐ Unleaded ☐ Gas-ethanol blend: ___ % ☐ Diesel ☐ Bio-Diesel: ___ % ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene
☐ New Oil ☐ New Oil – Low FP ☐ Waste/Used Motor Oil ☐ Hazardous Waste/Interface* ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Unknown
☐ Other (specify): ☐ Chemical* Name CAS#

* NOT PECFA eligible.

Geo Latitude: Geo Longitude:

If Tank Closed, Abandoned or Out of Service *Give date* (mo/day/yr): 11/09/16 **Has a site assessment been completed?** *(see reverse side for details)* ☒ Yes ☐ No

X Tennyson Ridge

OWNER'S LEGAL NAME *(please print):* **E-MAIL ADDRESS:**

X [signature] (on behalf of owner)

OWNER'S SIGNATURE *(Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)*

11/09/2016
DATE

Note: Refer to comments on reverse side of form.

TR-WM-137 (11/16) Formerly ERS 7437 (3/13)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures
PO Box 7837 Madison, WI 53707-7837
(608) 224-4942

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Wis. Admin. Code §ATCP 93.140

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated above. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No

If yes, are you correcting/updating information only? ☐ Yes ☐ No

This registration applies to a tank status that is *(check one)*:

☐ In Use ☐ Abandoned with Product (empty) ☐ Closed – Filled with Inert Materials
☐ Newly Installed ☐ Abandon with Water ☐ Ownership Change (Indicate new owner name in block 2 – *attach deed)*
☐ Abandoned with Product ☒ Closed - Tank Removed ☐ Temporarily Out of Service – Provide Date:

Fire Dept. providing fire coverage where tank is located: ☒ CITY ☐ TOWN ☐ VILLAGE

IDENTIFICATION (Please Print)

1. TANK SITE NAME: Keller Property	COUNTY: Dane	PHONE: ( ) -	
SITE STREET ADDRESS: 1902 Tennyson Ln	☒ CITY ☐ VILLAGE ☐ TOWN OF: Madison	STATE: WI	ZIP: 53704
2. TANK OWNER LEGAL NAME: Tennyson Terrace LLC	COUNTY: Dane	PHONE: Check ☐ CELL or ☐ LAND ( ) -	
MAILING ADDRESS: 448 West Washington Ave	☒ CITY ☐ VILLAGE ☐ TOWN OF: Madison	STATE: WI	ZIP: 53703
3. PROPERTY OWNER NAME *(if different from Tank Owner Legal Name #2)*	COUNTY *(if different from County #2)*		
PROPERTY OWNER ADDRESS *(if different from Site Street Address #1)*	☐ CITY ☐ VILLAGE ☐ TOWN OF:	STATE: WI	ZIP:

4. CLASS A NAME	DOB	CERTIFICATION: (Attach certificate)
5. CLASS B NAME	DOB	CERTIFICATION: (Attach certificate)

SITE ID: N/A	FACILITY ID #: N/A	CUSTOMER ID #: N/a
Tank Capacity (gallons): 12000	Tank Age (age or date installed): Unknown	Vehicle fueling: ☐ Yes ☐ No

LAND OWNER TYPE *(check one)* Refer to back

☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

OCCUPANCY TYPE *(check one)* Refer to back

☐ Retail Fuel Sales ☒ Coated Steel ☐ Stainless steel ☒ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify):

TANK CONSTRUCTION:

☐ Bare Steel ☒ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): ☐ Lined (date):

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

TANK CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY TANK LEAK DETECTION METHOD: ☐ Automatic tank gauging ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☒ Unknown

PIPING CONSTRUCTION: ☐ Single Wall ☐ Double Wall:
☐ Bare Steel ☒ Coated Steel ☐ Stainless steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ N/A ☐ Other:

PIPING CATHODIC PROTECTION: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

PRIMARY PIPING SYSTEM TYPE: ☐ Pressurized piping with ⇨ ☐ A. Pump auto shutoff - ELLD ☐ B. Flow restrictor – MLLD ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

PIPING LEAK DETECTION METHOD: ☐ Interstitial monitoring ⇨ Electronic ☐ Yes ☐ No ⇨ Sump or cable sensor ☐ Yes ☐ No
☐ Tightness testing ☐ Electronic line monitor - ELLD ☐ SIR ☐ Not required ☒ Unknown

TANK CONTENTS *(Current, or previous product (if tank now empty))*

☐ Leaded ☐ Unleaded ☐ Gas-ethanol blend: ___ % ☐ Diesel ☐ Bio-Diesel: ___ % ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene
☐ New Oil ☐ New Oil – Low FP ☐ Waste/Used Motor Oil ☐ Hazardous Waste/Interface* ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Unknown
☐ Other (specify): ☐ Chemical* Name CAS#
* NOT PECFA eligible.

Geo Latitude:	Geo Longitude:

If Tank Closed, Abandoned or Out of Service *Give date* (mo/day/yr): 11/09/16 Has a site assessment been completed? *(see reverse side for details)* ☒ Yes ☐ No

X Tennyson Ridge
OWNER'S LEGAL NAME *(please print)*:

E-MAIL ADDRESS:

X [signature] (on behalf of owner)
OWNER'S SIGNATURE *(Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)*

11/09/2016
DATE

Note: Refer to comments on reverse side of form.

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures, Permits and Licensing
P.O. Box 7837
Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Wis. Admin. Code §ATCP 93.360

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

CHECK ONE: ☒ UNDERGROUND ☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE 'N/A' BOX

Complete One Form for Each System Service Event

The information you provide may be used for purposes other than for which it was originally intended (s.15.04 (1) (m), Wis. Stats.).

Part A – To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE
Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed
☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION (Please Print)

1. Facility Name: Keller Property	2. Owner Name: Tennyson Terrace LLC
Facility Street Address (not P.O. Box): 1902 Tennyson Ln	3. Contact Name / Job Title
Municipality: Madison	Mailing Address: 448 West Washington Ave
☒ City ☐ Village ☐ Town of: Madison	Post Office: Madison; State: WI; Zip Code: 53704
Zip Code: 53703; County: Dane	County: Dane; Telephone No. (include area code): ( )
4. Primary Service Contractor Section A above: Southeast Tank LLC	Service Contractor Street Address: W150 S8234 Harvest Ct
Service Contractor Telephone No. (include area code): (414) 257-0030	Service Contractor City, State, Zip Code: Muskego, WI 53150

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g		h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		If "Yes" to "g", Then Specify Source & Cause of Release[5]	
								Source of Release[3]	Cause of Release[4]
N/A	P	Steel	Coated Steel	1000	FO	☐ Y	☐ N		
N/A	P	Steel	Copper	550	FO	☒ Y	☐ N	Tank	C
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place
2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s):

CAS number(s):

3. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other, UNK = Unknown
4. Cause of release: S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other, UNK = Unknown
5. Has release been reported to the Department of Natural Resources? ☐ Yes ☒ No ☐ Release not evident at this time

Part A Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 5 days in advance of closure date. ☐ Y ☒ N

All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

☒ UST Form TR-WM-137 or ☐ AST Form TR-WM-118 filed by owner with the DATCP indicating closure. ☒ Y ☐ N ☐ NA

NOTE: TANK INVENTORY FORM TR-WM-137 or TR-WM-118 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST

D.1 ☐ TEMPORARILY OUT-OF-SERVICE

1. Product removed.	Remover Verified	Inspector Verified	NA
a. Product lines drained into tank (or other container) and liquid removed, and	☐Y ☐N	☐Y ☐N	☐
b. All product removed to bottom of suction line, OR	☐Y ☐N	☐Y ☐N	☐
c. All product removed to within 1" of bottom.	☐Y ☐N	☐Y ☐N	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐Y ☐N	☐Y ☐N	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐Y ☐N	☐Y ☐N	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐Y ☐N	☐Y ☐N	☐
5. Vent lines left open.	☐Y ☐N	☐Y ☐N	☐
6. Inventory form filed indicating temporarily out-of-service (TOS) closure.	☐Y ☐N	☐Y ☐N	☐

D.2. ☒ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements			
a. Product from piping drained into tank (or other container).	☒Y ☐N	☒Y ☐N	☐
b. Piping disconnected from tank and removed.	☒Y ☐N	☒Y ☐N	☐
c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps.	☒Y ☐N	☒Y ☐N	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒Y ☐N	☒Y ☐N	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒Y ☐N	☒Y ☐N	☐
f. Vent lines left connected until tanks purged.	☒Y ☐N	☒Y ☐N	☐
g. Tank openings temporarily plugged so vapors exit through vent.	☐Y ☐N	☐Y ☐N	☒
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☒Y ☐N	☒Y ☐N	☐
2. Specific Closure-by-Removal Requirements			
a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☒Y ☐N	☒Y ☐N	☐
b. Tank cleaned before being removed from site.	☒Y ☐N	☒Y ☐N	☐
c. Tank labeled in 2" high letters after removal but before being moved from site.	☒Y ☐N	☐Y ☐N	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☒Y ☐N	☒Y ☐N	☐
e. Site security is provided while the excavation is open.	☒Y ☐N	☒Y ☐N	☐
3. Specific Closure-In-Place Requirements			
NOTE: CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP) OR LOCAL AGENT.			
a. Tank properly cleaned to remove all sludge and residue.	☐Y ☐N	☐Y ☐N	☒
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	☐Y ☐N	☐Y ☐N	☒
c. Vent line disconnected or removed.	☐Y ☐N	☐Y ☐N	☒
d. Inventory form filed by owner with the DATCP indicating closure in-place.	☐Y ☐N	☐Y ☐N	☒

E. ☐ REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 5 days in advance of service date. ☐ Y ☐ N ☐ NA

All local permits were obtained before beginning service. ☐ Y ☐ N ☐ NA

Form TR-WM-137 or ☐ TR-WM-118 filed by owner with the DATCP indicating change-in-service. ☐ Y ☐ N ☐ NA

F. METHOD OF VAPOR FREEING OF TANK

☒ Displacement of vapors by eductor or diffused air blower.
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO_2 or N_2 NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Readings of 10% or less of the lower flammable range (LEL) or 0% oxygen obtained before removing tank from ground.

☒ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☒ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

G. REMOVER/CLEANER INFORMATION

Brian James		401520	11/09/2016
Remover/Cleaner Name (print)	Remover/Cleaner Signature	Certification No.	Date Signed

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with ATCP 93.

Company expected to perform soil contamination assessment: Terracon Consultants

H. INSPECTOR INFORMATION

Dave Mieks		401421	72
Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:

1321	608-281-9849	11/9/16
FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A (West Tank)

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: Keller Property

Address: 1902 Tennyson Lane, Madison, Wisconsin

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see ATCP 93 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

1. Site Information

a. Has there been a previously documented release at this site? ☒ Y ☐ N

If yes, provide the DATCP # _____, or DNR BRRT's # 03-13-553975

b. Number of active tanks[1] at facility prior to completion of current services USTs 0 ASTs 0.

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
1	10	10	8

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☐ Y ☒ N b. Petroleum odor: ☐ Y ☒ N c. Water in excavation/trench: ☐ Y ☒ N

d. Free product in the excavation/trench: ☐ Y ☒ N e. Sheen or free product on water: ☐ Y ☒ N

3. Geology/Hydrogeology

a. Depth to groundwater >20 feet b. Indicate type of geology[2] SLT, C, and S

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☒ N If yes, specify _____

b. Surface water(s) within 1000 feet of the facility? ☐ Y ☒ N If yes, specify _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
West N	North Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
West S	South Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
West E	East Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
West W	West Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
West Base	Base SLT+Clay	☒	☐	☐	☐	2	<1	N/A	N/A
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

See Attached Table

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☒ As a tank-system site assessor certified under Wis. Admin. Code section SPS 305.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☐ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section ATCP 93.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter ATCP 93 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. section 168.26 (5). Each day of continued violation and each tank are treated as separate offenses.

Paul Lenaker
Tank-System Site Assessor Name (print)

PL
Tank-System Site Assessor Signature

411921
Certification Number #

414 423-0255
Tank-System Site Assessor Telephone Number

8/14/2017
Date Signed

Terracon
Company Name

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A (East Tank)

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: Keller Property

Address: 1902 Tennyson Lane, Madison, Wisconsin

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see ATCP 93 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

1. Site Information

a. Has there been a previously documented release at this site? ☒ Y ☐ N

If yes, provide the DATCP # _____, or DNR BRRT's # 03-13-553975

b. Number of active tanks[1] at facility prior to completion of current services USTs 0 ASTs 0

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
1	28	18	18

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☒ Y ☐ N b. Petroleum odor: ☒ Y ☐ N c. Water in excavation/trench: ☐ Y ☒ N

d. Free product in the excavation/trench: ☐ Y ☒ N e. Sheen or free product on water: ☐ Y ☒ N

3. Geology/Hydrogeology

a. Depth to groundwater 720 feet b. Indicate type of geology[2] SLT, C, S

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☒ N If yes, specify _____

b. Surface water(s) within 1000 feet of the facility? ☐ Y ☒ N If yes, specify _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

Distribution: DATCP DNR Inspector Contractor Owner

TR-WM-140 (04/15)
Formerly ERS-8951 (R. 07/13)

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		Grab	Shelby Tube	Direct Push	Split Spoon				
East N	North Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
East W	West Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
East E	East Sidewall SLT+S	☒	☐	☐	☐	0	<1	N/A	N/A
East Base	Base SLT + Clay	☒	☐	☐	☐	14	890	N/A	N/A
East S	South Sidewall SLT+S	☒	☐	☐	☐	8	<1	N/A	N/A
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

See Attached Table

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section SPS 305.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☒ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section ATCP 93.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter ATCP 93 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. section 168.26 (5). Each day of continued violation and each tank are treated as separate offenses.

Paul Lenaker
Tank-System Site Assessor Name (print)

Tank-System Site Assessor Signature

411921
Certification Number #

4144230255
Tank-System Site Assessor Telephone Number

8/14/2017
Date Signed

Terracon
Company Name

Distribution: DATCP DNR Inspector Contractor Owner

FUTURE ENVIRONMENTAL, INC.

3240 W. ELM RD. FRANKLIN, WI 53132
PHONE: 414-761-9421 FAX: 414-761-9542
www.futureenvironmental.com

WORK ORDER W 22574

DATE	SHIFT #
11-9-16	1st
P.O. #	START TIME
	7:45 / 9:45 Am
CONTACT	END TIME
	11:30 / 1:30 pm

CUSTOMER: Terracon (southeast tanks)
ADDRESS: 1907 Kinnyson Lane
Madison WI
PHONE:

DESCRIPTION OF WORK

Van Heating a/c x water
from 1-1000-Gals x 1-550-Gals
400 gals total

QTY.	MATERIAL	UNIT
1	Van Truck #7	4/7
1	Box truck w/pressure washer	
	50' Ft of hose	

MISCELLANEOUS CHARGES

LABOR	HRS	RATE
Victor G		
Troy		

CUSTOMER AUTHORZIED SIGNATURE

PROJECT SUPERVISOR SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1		0009394

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.						
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

East Tank Excavation area Manifests

Date	Profile #	Manifest #	Ticket #	Material	Facility	Tons / Tonnes	Material Quantity	Material Unit
11/10/2016	BIO125915WI	008	345602	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	24.52	24.52	TON
11/10/2016	BIO125915WI	007	345600	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	21.89	21.89	TON
11/10/2016	BIO125915WI	006	345594	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	21.99	21.99	TON
11/10/2016	BIO125915WI	005	345592	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	24.54	24.54	TON
11/10/2016	BIO125915WI	003	345584	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	25.59	25.59	TON
11/10/2016	BIO125915WI	004	345586	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	22.44	22.44	TON
11/10/2016	BIO125915WI	002	345580	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	23.39	23.39	TON
11/10/2016	BIO125915WI	001	345578	PETROLEUM IMPACTED SOIL	Madison Prairie RDF	20.22	20.22	TON

NON-HAZARDOUS MANIFEST

WM WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Manifest Number WMNA 001

B. State Generator's ID

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name SS 119 #

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Madison Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 608-837-9031

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			20.22	tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
See Attached #001	—			

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Harlan Francis DOT # 12454	X [signature]	11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lisa Olson	[signature]	11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY   Blue- GENERATOR #2 COPY   Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY   Gold- TRANSPORTER #1 COPY

#5

001

NON-HAZARDOUS MANIFEST

GENERATOR

NON-HAZARDOUS MANIFEST | 1. Generator's US EPA ID No. | Manifest Doc No. | 2. Pag

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Ma

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name	6. US EPA ID Number	C. Stat / D. Tra
7. Transporter 2 Company Name	8. US EPA ID Number	E. Stat / F. Trar
9. Designated Facility Name and Site Address Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590	10. US EPA ID Number	G. Sta / H. Sta

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quanti
a. PETROLEUM IMPACTED SOIL			
WM Profile # BIO125915WI			
b.			
WM Profile #			
c.			
WM Profile #			
d.			
WM Profile #			

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

BILL TO:

Cell

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-940

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully an transportation according to applicable regulations.

Printed Name: Paul [illegible]

Signature "On behalf of": [signature] Tennyson Ridge LLC 11/10/16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name: DArren B Greenic PDF II 12454

Signature: [signature] 11-10-16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Manifest Number WMNA 1002

B. State Generator's ID

5. Transporter 1 Company Name S+S # 1199 #12454

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Madison Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 608-837-9031

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			23.39	Tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell
Level
Grid

BILL TO:

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
See Attached #1002		11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Patrick Peterson		11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lisa	Lisa	11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

#2

002

NON-HAZARDOUS MANIFEST

GENERATOR

NON-HAZARDOUS MANIFEST | 1. Generator's US EPA ID No. | Manifest Doc No. | 2. Pag

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Ma

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name	6. US EPA ID Number	C. Stat / D. Tra
7. Transporter 2 Company Name	8. US EPA ID Number	E. Stat / F. Tra
9. Designated Facility Name and Site Address Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590	10. US EPA ID Number	G. Sta / H. Sta

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quanti
a. PETROLEUM IMPACTED SOIL			
WM Profile # BIO125915WI			
b.			
WM Profile #			
c.			
WM Profile #			
d.			
WM Profile #			

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

BILL TO:

Cell

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-940

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully an transportation according to applicable regulations.

Printed Name	Signature "On behalf of"
Paul [illegible]	[signature] Tennyson Ridge, LLC 11/10/16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature
Rick Pederson HAULER 12454	[signature]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052 DANE	WMNA 003
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
SS 169		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 608-837-9031

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			25.29	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Lemke	Tennyson Ridge LLC	11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Darren Braun DnR# 12454		11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052 DANE	WMNA 004
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
B-S 1199		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590		H. State Facility Phone 608-837-9031

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	Misc Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			22.44	Tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Lauder	PL Tennyson Ridge LLC	11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rick Pederson DNR 12:54		11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Manifest Number WMNA 003

B. State Generator's ID

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name SDS 169

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Madison Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 608-837-9031

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			24.54	ton	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell
Grid
Level

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Gncde	[signature] Tennyson Ridge LLC	10	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Darren Brausla VEH# 12454	Darren Brautz	10	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[signature]	[signature]	11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Manifest Number WMNA 006

B. State Generator's ID

4. Generator's Phone 920-929-9400

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
B/S 1189		D. Transporter's Phone

7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590		H. State Facility Phone 608-837-9031

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			21.99	ton	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell		Level	
Grid			

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
[signature]	[signature] Tennyson Ridge, LLC	11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rick Petersen / DNSH 12457	[signature]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Lois [illegible]	[signature]	11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY　Blue- GENERATOR #2 COPY　Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY　Gold- TRANSPORTER #1 COPY

WM WASTE MANAGEMENT

[illegible]N-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052

4. Generator's Phone 920-929-9400

Generator's Site Address (if different than mailing):
TENNYSON RIDGE, LLC
1902 TENNYSON LANE
MADISON, WI 53052
DANE

A. Manifest Number WMNA 007

B. State Generator's ID

5. Transporter 1 Company Name S+S 169

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Madison Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 608-837-9031

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			21.89	Tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location

Cell | Grid | Level

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
[signature]	[signature] Tennyson Ridge LLC	11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Darren Breuning Govett 12457	[signature]	11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[signature]	[signature]	11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY   Blue- GENERATOR #2 COPY   Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY   Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052	TENNYSON RIDGE, LLC 1902 TENNYSON LANE MADISON, WI 53052 DANE	WMNA 008
4. Generator's Phone 920-929-9400		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
SS 1199		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address Madison Prairie Landfill 6002 Nelson Road Sun Prairie, WI 53590	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 608-837-9031

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PETROLEUM IMPACTED SOIL WM Profile # BIO125915WI			24.52	Tn.	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location
BILL TO:	Cell / Grid / Level

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 920-929-9400

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Paul Gunderson	Tenaya Sun Ridge LLC	11	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Driver # 12454		11	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		11	10	16

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Appendix E

Laboratory Analytical Reports and Chain of Custody

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 14, 2016

Blaine Schroyer
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58167157 TENNYSON
Pace Project No.: 40141121

Dear Blaine Schroyer:
Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141121001	**A (4')**	Solid	10/31/16 13:00	11/01/16 10:30
40141121002	**AN (2')**	Solid	10/31/16 13:05	11/01/16 10:30
40141121003	**AS (2')**	Solid	10/31/16 13:10	11/01/16 10:30
40141121004	**AE (2')**	Solid	10/31/16 13:15	11/01/16 10:30
40141121005	**AW (2')**	Solid	10/31/16 13:20	11/01/16 10:30
40141121006	**B (4')**	Solid	10/31/16 13:25	11/01/16 10:30
40141121007	**BN (2')**	Solid	10/31/16 13:30	11/01/16 10:30
40141121008	**BS (2')**	Solid	10/31/16 13:35	11/01/16 10:30
40141121009	**BE (2')**	Solid	10/31/16 13:40	11/01/16 10:30
40141121010	**BW (2')**	Solid	10/31/16 13:45	11/01/16 10:30
40141121011	**MEOH BLANK**	Solid	10/31/16 13:50	11/01/16 10:30

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141121001	**A (4')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121002	**AN (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121003	**AS (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121004	**AE (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121005	**AW (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121006	**B (4')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121007	**BN (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121008	**BS (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121009	**BE (2')**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121010	**BW (2')**	EPA 6010	DLB	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141121011	**MEOH BLANK**	EPA 8260	SMT	64	PASI-G

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SUMMARY OF DETECTION

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141121001	**A (4')**					
EPA 6010	Lead	13.9	mg/kg	1.5	11/09/16 14:32	
EPA 8270 by SIM	Acenaphthene	9.2J	ug/kg	15.9	11/11/16 03:47	
EPA 8270 by SIM	Acenaphthylene	13.9	ug/kg	13.5	11/11/16 03:47	
EPA 8270 by SIM	Anthracene	40.1	ug/kg	23.4	11/11/16 03:47	
EPA 8270 by SIM	Benzo(a)anthracene	129	ug/kg	13.0	11/11/16 03:47	
EPA 8270 by SIM	Benzo(a)pyrene	118	ug/kg	10.3	11/11/16 03:47	
EPA 8270 by SIM	Benzo(b)fluoranthene	186	ug/kg	11.6	11/11/16 03:47	
EPA 8270 by SIM	Benzo(g,h,i)perylene	81.0	ug/kg	8.3	11/11/16 03:47	
EPA 8270 by SIM	Benzo(k)fluoranthene	52.8	ug/kg	10.3	11/11/16 03:47	
EPA 8270 by SIM	Chrysene	139	ug/kg	13.8	11/11/16 03:47	
EPA 8270 by SIM	Dibenz(a,h)anthracene	27.2	ug/kg	9.2	11/11/16 03:47	
EPA 8270 by SIM	Fluoranthene	196	ug/kg	21.4	11/11/16 03:47	
EPA 8270 by SIM	Fluorene	10.3J	ug/kg	17.0	11/11/16 03:47	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	62.6	ug/kg	9.0	11/11/16 03:47	
EPA 8270 by SIM	1-Methylnaphthalene	65.9	ug/kg	16.5	11/11/16 03:47	
EPA 8270 by SIM	2-Methylnaphthalene	96.7	ug/kg	20.6	11/11/16 03:47	
EPA 8270 by SIM	Naphthalene	61.4	ug/kg	34.6	11/11/16 03:47	
EPA 8270 by SIM	Phenanthrene	218	ug/kg	47.8	11/11/16 03:47	
EPA 8270 by SIM	Pyrene	186	ug/kg	18.5	11/11/16 03:47	
ASTM D2974-87	Percent Moisture	18.8	%	0.10	11/03/16 16:11	
40141121002	**AN (2')**					
EPA 6010	Lead	13.3	mg/kg	1.6	11/09/16 14:25	
EPA 8270 by SIM	Benzo(a)pyrene	3.5J	ug/kg	10.6	11/11/16 04:21	
EPA 8270 by SIM	Benzo(b)fluoranthene	5.2J	ug/kg	11.9	11/11/16 04:21	
EPA 8270 by SIM	Benzo(g,h,i)perylene	4.3J	ug/kg	8.5	11/11/16 04:21	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	3.4J	ug/kg	9.3	11/11/16 04:21	
ASTM D2974-87	Percent Moisture	20.8	%	0.10	11/03/16 16:11	
40141121003	**AS (2')**					
EPA 6010	Lead	13.7	mg/kg	1.5	11/09/16 14:34	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	11/03/16 16:11	
40141121004	**AE (2')**					
EPA 6010	Lead	14.2	mg/kg	1.5	11/09/16 14:36	
EPA 8270 by SIM	Benzo(a)anthracene	9.5J	ug/kg	13.5	11/12/16 04:59	
EPA 8270 by SIM	Benzo(a)pyrene	12.2	ug/kg	10.7	11/12/16 04:59	
EPA 8270 by SIM	Benzo(b)fluoranthene	19.9	ug/kg	12.0	11/12/16 04:59	
EPA 8270 by SIM	Benzo(g,h,i)perylene	19.5	ug/kg	8.6	11/12/16 04:59	
EPA 8270 by SIM	Benzo(k)fluoranthene	7.2J	ug/kg	10.7	11/12/16 04:59	
EPA 8270 by SIM	Chrysene	15.4	ug/kg	14.3	11/12/16 04:59	
EPA 8270 by SIM	Dibenz(a,h)anthracene	4.1J	ug/kg	9.5	11/12/16 04:59	
EPA 8270 by SIM	Fluoranthene	27.0	ug/kg	22.2	11/12/16 04:59	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	8.8J	ug/kg	9.4	11/12/16 04:59	
EPA 8270 by SIM	Pyrene	20.5	ug/kg	19.2	11/12/16 04:59	
ASTM D2974-87	Percent Moisture	21.7	%	0.10	11/03/16 16:11	
40141121005	**AW (2')**					
EPA 6010	Lead	15.1	mg/kg	1.6	11/09/16 14:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141121005	**AW (2')**					
ASTM D2974-87	Percent Moisture	21.1	%	0.10	11/03/16 16:11	
40141121006	**B (4')**					
EPA 6010	Lead	0.77J	mg/kg	1.3	11/09/16 14:41	
ASTM D2974-87	Percent Moisture	1.9	%	0.10	11/03/16 16:11	
40141121007	**BN (2')**					
EPA 6010	Lead	1.3	mg/kg	1.3	11/09/16 14:48	
ASTM D2974-87	Percent Moisture	4.9	%	0.10	11/03/16 16:11	
40141121008	**BS (2')**					
EPA 6010	Lead	3.1	mg/kg	1.3	11/09/16 14:50	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	11/03/16 16:11	
40141121009	**BE (2')**					
EPA 6010	Lead	2.1	mg/kg	1.3	11/09/16 14:53	
EPA 8270 by SIM	Benzo(b)fluoranthene	4.0J	ug/kg	9.9	11/09/16 13:41	
EPA 8270 by SIM	Benzo(g,h,i)perylene	4.2J	ug/kg	7.1	11/09/16 13:41	
EPA 8270 by SIM	Benzo(k)fluoranthene	4.0J	ug/kg	8.8	11/09/16 13:41	
EPA 8270 by SIM	Chrysene	3.8J	ug/kg	11.8	11/09/16 13:41	
EPA 8270 by SIM	Fluoranthene	6.5J	ug/kg	18.3	11/09/16 13:41	
EPA 8270 by SIM	Pyrene	5.6J	ug/kg	15.8	11/09/16 13:41	
ASTM D2974-87	Percent Moisture	5.1	%	0.10	11/03/16 16:11	
40141121010	**BW (2')**					
EPA 6010	Lead	1.5	mg/kg	1.3	11/09/16 14:55	
EPA 8270 by SIM	Benzo(g,h,i)perylene	4.8J	ug/kg	7.2	11/12/16 01:34	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	11/03/16 16:33	

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PROJECT NARRATIVE

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Terracon, Inc. - Franklin
Date: November 14, 2016

General Information:
10 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon, Inc. - Franklin
Date: November 14, 2016

General Information:
10 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 240646

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40141422003

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

- MS (Lab ID: 1425779)
  - Anthracene
  - Naphthalene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: November 14, 2016

General Information:
11 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: A (4') **Lab ID: 40141121001** Collected: 10/31/16 13:00 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**13.9**	mg/kg	1.5	0.50	1	11/08/16 15:35	11/09/16 14:32	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**9.2J**	ug/kg	15.9	4.8	1	11/08/16 09:34	11/11/16 03:47	83-32-9	
Acenaphthylene	**13.9**	ug/kg	13.5	4.1	1	11/08/16 09:34	11/11/16 03:47	208-96-8	
Anthracene	**40.1**	ug/kg	23.4	7.0	1	11/08/16 09:34	11/11/16 03:47	120-12-7	
Benzo(a)anthracene	**129**	ug/kg	13.0	3.9	1	11/08/16 09:34	11/11/16 03:47	56-55-3	
Benzo(a)pyrene	**118**	ug/kg	10.3	3.1	1	11/08/16 09:34	11/11/16 03:47	50-32-8	
Benzo(b)fluoranthene	**186**	ug/kg	11.6	3.5	1	11/08/16 09:34	11/11/16 03:47	205-99-2	
Benzo(g,h,i)perylene	**81.0**	ug/kg	8.3	2.5	1	11/08/16 09:34	11/11/16 03:47	191-24-2	
Benzo(k)fluoranthene	**52.8**	ug/kg	10.3	3.1	1	11/08/16 09:34	11/11/16 03:47	207-08-9	
Chrysene	**139**	ug/kg	13.8	4.2	1	11/08/16 09:34	11/11/16 03:47	218-01-9	
Dibenz(a,h)anthracene	**27.2**	ug/kg	9.2	2.8	1	11/08/16 09:34	11/11/16 03:47	53-70-3	
Fluoranthene	**196**	ug/kg	21.4	6.4	1	11/08/16 09:34	11/11/16 03:47	206-44-0	
Fluorene	**10.3J**	ug/kg	17.0	5.1	1	11/08/16 09:34	11/11/16 03:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**62.6**	ug/kg	9.0	2.7	1	11/08/16 09:34	11/11/16 03:47	193-39-5	
1-Methylnaphthalene	**65.9**	ug/kg	16.5	5.0	1	11/08/16 09:34	11/11/16 03:47	90-12-0	
2-Methylnaphthalene	**96.7**	ug/kg	20.6	6.2	1	11/08/16 09:34	11/11/16 03:47	91-57-6	
Naphthalene	**61.4**	ug/kg	34.6	10.4	1	11/08/16 09:34	11/11/16 03:47	91-20-3	
Phenanthrene	**218**	ug/kg	47.8	14.3	1	11/08/16 09:34	11/11/16 03:47	85-01-8	
Pyrene	**186**	ug/kg	18.5	5.6	1	11/08/16 09:34	11/11/16 03:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	11/08/16 09:34	11/11/16 03:47	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	11/08/16 09:34	11/11/16 03:47	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 02:26	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 02:26	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 02:26	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: A (4') **Lab ID: 40141121001** Collected: 10/31/16 13:00 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	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 02:26	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	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 02:26	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 02:26	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	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 02:26	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 02:26	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 02:26	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 02:26	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	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 02:26	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 02:26	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 02:26	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 02:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 02:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	53-165		1	11/03/16 08:00	11/04/16 02:26	1868-53-7	
Toluene-d8 (S)	117	%	54-163		1	11/03/16 08:00	11/04/16 02:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: A (4') **Lab ID: 40141121001** Collected: 10/31/16 13:00 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	105	%	48-138		1	11/03/16 08:00	11/04/16 02:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.8**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AN (2') **Lab ID: 40141121002** Collected: 10/31/16 13:05 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**13.3**	mg/kg	1.6	0.54	1	11/08/16 15:35	11/09/16 14:25	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.9**	ug/kg	16.3	4.9	1	11/08/16 09:35	11/11/16 04:21	83-32-9	
Acenaphthylene	**<4.2**	ug/kg	13.9	4.2	1	11/08/16 09:35	11/11/16 04:21	208-96-8	
Anthracene	**<7.2**	ug/kg	24.0	7.2	1	11/08/16 09:35	11/11/16 04:21	120-12-7	
Benzo(a)anthracene	**<4.0**	ug/kg	13.4	4.0	1	11/08/16 09:35	11/11/16 04:21	56-55-3	
Benzo(a)pyrene	**3.5J**	ug/kg	10.6	3.2	1	11/08/16 09:35	11/11/16 04:21	50-32-8	
Benzo(b)fluoranthene	**5.2J**	ug/kg	11.9	3.6	1	11/08/16 09:35	11/11/16 04:21	205-99-2	
Benzo(g,h,i)perylene	**4.3J**	ug/kg	8.5	2.6	1	11/08/16 09:35	11/11/16 04:21	191-24-2	
Benzo(k)fluoranthene	**<3.2**	ug/kg	10.6	3.2	1	11/08/16 09:35	11/11/16 04:21	207-08-9	
Chrysene	**<4.3**	ug/kg	14.1	4.3	1	11/08/16 09:35	11/11/16 04:21	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	9.4	2.8	1	11/08/16 09:35	11/11/16 04:21	53-70-3	
Fluoranthene	**<6.6**	ug/kg	22.0	6.6	1	11/08/16 09:35	11/11/16 04:21	206-44-0	
Fluorene	**<5.2**	ug/kg	17.4	5.2	1	11/08/16 09:35	11/11/16 04:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**3.4J**	ug/kg	9.3	2.8	1	11/08/16 09:35	11/11/16 04:21	193-39-5	
1-Methylnaphthalene	**<5.1**	ug/kg	16.9	5.1	1	11/08/16 09:35	11/11/16 04:21	90-12-0	
2-Methylnaphthalene	**<6.3**	ug/kg	21.1	6.3	1	11/08/16 09:35	11/11/16 04:21	91-57-6	
Naphthalene	**<10.6**	ug/kg	35.5	10.6	1	11/08/16 09:35	11/11/16 04:21	91-20-3	
Phenanthrene	**<14.7**	ug/kg	49.0	14.7	1	11/08/16 09:35	11/11/16 04:21	85-01-8	
Pyrene	**<5.7**	ug/kg	18.9	5.7	1	11/08/16 09:35	11/11/16 04:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	26-130		1	11/08/16 09:35	11/11/16 04:21	321-60-8	
Terphenyl-d14 (S)	78	%	10-130		1	11/08/16 09:35	11/11/16 04:21	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 11:42	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 11:42	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 11:42	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AN (2') **Lab ID: 40141121002** Collected: 10/31/16 13:05 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	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 11:42	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	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 11:42	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 11:42	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	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 11:42	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 11:42	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 11:42	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 11:42	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	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 11:42	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 11:42	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 11:42	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 11:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 11:42	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	11/03/16 08:00	11/04/16 11:42	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	11/03/16 08:00	11/04/16 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AN (2') **Lab ID: 40141121002** Collected: 10/31/16 13:05 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	94	%	48-138		1	11/03/16 08:00	11/04/16 11:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.8**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AS (2') **Lab ID: 40141121003** Collected: 10/31/16 13:10 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**13.7**	mg/kg	1.5	0.51	1	11/08/16 15:35	11/09/16 14:34	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.8**	ug/kg	16.1	4.8	1	11/08/16 09:35	11/09/16 12:32	83-32-9	
Acenaphthylene	**<4.1**	ug/kg	13.7	4.1	1	11/08/16 09:35	11/09/16 12:32	208-96-8	
Anthracene	**<7.1**	ug/kg	23.7	7.1	1	11/08/16 09:35	11/09/16 12:32	120-12-7	
Benzo(a)anthracene	**<4.0**	ug/kg	13.2	4.0	1	11/08/16 09:35	11/09/16 12:32	56-55-3	
Benzo(a)pyrene	**<3.1**	ug/kg	10.4	3.1	1	11/08/16 09:35	11/09/16 12:32	50-32-8	
Benzo(b)fluoranthene	**<3.5**	ug/kg	11.7	3.5	1	11/08/16 09:35	11/09/16 12:32	205-99-2	
Benzo(g,h,i)perylene	**<2.5**	ug/kg	8.4	2.5	1	11/08/16 09:35	11/09/16 12:32	191-24-2	
Benzo(k)fluoranthene	**<3.1**	ug/kg	10.4	3.1	1	11/08/16 09:35	11/09/16 12:32	207-08-9	
Chrysene	**<4.2**	ug/kg	14.0	4.2	1	11/08/16 09:35	11/09/16 12:32	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	9.3	2.8	1	11/08/16 09:35	11/09/16 12:32	53-70-3	
Fluoranthene	**<6.5**	ug/kg	21.7	6.5	1	11/08/16 09:35	11/09/16 12:32	206-44-0	
Fluorene	**<5.2**	ug/kg	17.2	5.2	1	11/08/16 09:35	11/09/16 12:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.7**	ug/kg	9.1	2.7	1	11/08/16 09:35	11/09/16 12:32	193-39-5	
1-Methylnaphthalene	**<5.0**	ug/kg	16.7	5.0	1	11/08/16 09:35	11/09/16 12:32	90-12-0	
2-Methylnaphthalene	**<6.2**	ug/kg	20.8	6.2	1	11/08/16 09:35	11/09/16 12:32	91-57-6	
Naphthalene	**<10.5**	ug/kg	35.0	10.5	1	11/08/16 09:35	11/09/16 12:32	91-20-3	
Phenanthrene	**<14.5**	ug/kg	48.3	14.5	1	11/08/16 09:35	11/09/16 12:32	85-01-8	
Pyrene	**<5.6**	ug/kg	18.7	5.6	1	11/08/16 09:35	11/09/16 12:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	26-130		1	11/08/16 09:35	11/09/16 12:32	321-60-8	
Terphenyl-d14 (S)	76	%	10-130		1	11/08/16 09:35	11/09/16 12:32	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 12:05	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 12:05	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 12:05	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AS (2') **Lab ID: 40141121003** Collected: 10/31/16 13:10 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	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 12:05	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	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 12:05	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 12:05	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	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 12:05	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 12:05	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 12:05	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 12:05	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	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 12:05	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 12:05	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 12:05	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 12:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	53-165		1	11/03/16 08:00	11/04/16 12:05	1868-53-7	
Toluene-d8 (S)	107	%	54-163		1	11/03/16 08:00	11/04/16 12:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AS (2') **Lab ID: 40141121003** Collected: 10/31/16 13:10 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	99	%	48-138		1	11/03/16 08:00	11/04/16 12:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.8**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AE (2') **Lab ID: 40141121004** Collected: 10/31/16 13:15 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.2**	mg/kg	1.5	0.52	1	11/08/16 15:35	11/09/16 14:36	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<5.0**	ug/kg	16.5	5.0	1	11/08/16 09:35	11/12/16 04:59	83-32-9	
Acenaphthylene	**<4.2**	ug/kg	14.0	4.2	1	11/08/16 09:35	11/12/16 04:59	208-96-8	
Anthracene	**<7.3**	ug/kg	24.3	7.3	1	11/08/16 09:35	11/12/16 04:59	120-12-7	
Benzo(a)anthracene	**9.5J**	ug/kg	13.5	4.0	1	11/08/16 09:35	11/12/16 04:59	56-55-3	
Benzo(a)pyrene	**12.2**	ug/kg	10.7	3.2	1	11/08/16 09:35	11/12/16 04:59	50-32-8	
Benzo(b)fluoranthene	**19.9**	ug/kg	12.0	3.6	1	11/08/16 09:35	11/12/16 04:59	205-99-2	
Benzo(g,h,i)perylene	**19.5**	ug/kg	8.6	2.6	1	11/08/16 09:35	11/12/16 04:59	191-24-2	
Benzo(k)fluoranthene	**7.2J**	ug/kg	10.7	3.2	1	11/08/16 09:35	11/12/16 04:59	207-08-9	
Chrysene	**15.4**	ug/kg	14.3	4.3	1	11/08/16 09:35	11/12/16 04:59	218-01-9	
Dibenz(a,h)anthracene	**4.1J**	ug/kg	9.5	2.9	1	11/08/16 09:35	11/12/16 04:59	53-70-3	
Fluoranthene	**27.0**	ug/kg	22.2	6.7	1	11/08/16 09:35	11/12/16 04:59	206-44-0	
Fluorene	**<5.3**	ug/kg	17.6	5.3	1	11/08/16 09:35	11/12/16 04:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**8.8J**	ug/kg	9.4	2.8	1	11/08/16 09:35	11/12/16 04:59	193-39-5	
1-Methylnaphthalene	**<5.1**	ug/kg	17.1	5.1	1	11/08/16 09:35	11/12/16 04:59	90-12-0	
2-Methylnaphthalene	**<6.4**	ug/kg	21.3	6.4	1	11/08/16 09:35	11/12/16 04:59	91-57-6	
Naphthalene	**<10.8**	ug/kg	35.9	10.8	1	11/08/16 09:35	11/12/16 04:59	91-20-3	
Phenanthrene	**<14.9**	ug/kg	49.5	14.9	1	11/08/16 09:35	11/12/16 04:59	85-01-8	
Pyrene	**20.5**	ug/kg	19.2	5.8	1	11/08/16 09:35	11/12/16 04:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	26-130		1	11/08/16 09:35	11/12/16 04:59	321-60-8	
Terphenyl-d14 (S)	86	%	10-130		1	11/08/16 09:35	11/12/16 04:59	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 12:28	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 12:28	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 12:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AE (2') **Lab ID: 40141121004** Collected: 10/31/16 13:15 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	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 12:28	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	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 12:28	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 12:28	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	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 12:28	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 12:28	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 12:28	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 12:28	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	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 12:28	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 12:28	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 12:28	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 12:28	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	11/03/16 08:00	11/04/16 12:28	1868-53-7	
Toluene-d8 (S)	109	%	54-163		1	11/03/16 08:00	11/04/16 12:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AE (2') **Lab ID: 40141121004** Collected: 10/31/16 13:15 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	97	%	48-138		1	11/03/16 08:00	11/04/16 12:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.7**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AW (2') **Lab ID: 40141121005** Collected: 10/31/16 13:20 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**15.1**	mg/kg	1.6	0.52	1	11/08/16 15:35	11/09/16 14:39	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.9**	ug/kg	16.4	4.9	1	11/08/16 09:35	11/09/16 12:49	83-32-9	
Acenaphthylene	**<4.2**	ug/kg	13.9	4.2	1	11/08/16 09:35	11/09/16 12:49	208-96-8	
Anthracene	**<7.2**	ug/kg	24.1	7.2	1	11/08/16 09:35	11/09/16 12:49	120-12-7	
Benzo(a)anthracene	**<4.0**	ug/kg	13.4	4.0	1	11/08/16 09:35	11/09/16 12:49	56-55-3	
Benzo(a)pyrene	**<3.2**	ug/kg	10.6	3.2	1	11/08/16 09:35	11/09/16 12:49	50-32-8	
Benzo(b)fluoranthene	**<3.6**	ug/kg	11.9	3.6	1	11/08/16 09:35	11/09/16 12:49	205-99-2	
Benzo(g,h,i)perylene	**<2.6**	ug/kg	8.6	2.6	1	11/08/16 09:35	11/09/16 12:49	191-24-2	
Benzo(k)fluoranthene	**<3.2**	ug/kg	10.6	3.2	1	11/08/16 09:35	11/09/16 12:49	207-08-9	
Chrysene	**<4.3**	ug/kg	14.2	4.3	1	11/08/16 09:35	11/09/16 12:49	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	9.4	2.8	1	11/08/16 09:35	11/09/16 12:49	53-70-3	
Fluoranthene	**<6.6**	ug/kg	22.1	6.6	1	11/08/16 09:35	11/09/16 12:49	206-44-0	
Fluorene	**<5.2**	ug/kg	17.5	5.2	1	11/08/16 09:35	11/09/16 12:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.8**	ug/kg	9.3	2.8	1	11/08/16 09:35	11/09/16 12:49	193-39-5	
1-Methylnaphthalene	**<5.1**	ug/kg	17.0	5.1	1	11/08/16 09:35	11/09/16 12:49	90-12-0	
2-Methylnaphthalene	**<6.3**	ug/kg	21.2	6.3	1	11/08/16 09:35	11/09/16 12:49	91-57-6	
Naphthalene	**<10.7**	ug/kg	35.6	10.7	1	11/08/16 09:35	11/09/16 12:49	91-20-3	
Phenanthrene	**<14.8**	ug/kg	49.2	14.8	1	11/08/16 09:35	11/09/16 12:49	85-01-8	
Pyrene	**<5.7**	ug/kg	19.0	5.7	1	11/08/16 09:35	11/09/16 12:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	26-130		1	11/08/16 09:35	11/09/16 12:49	321-60-8	
Terphenyl-d14 (S)	86	%	10-130		1	11/08/16 09:35	11/09/16 12:49	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 12:51	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 12:51	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 12:51	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AW (2') **Lab ID: 40141121005** Collected: 10/31/16 13:20 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	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 12:51	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	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 12:51	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 12:51	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	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 12:51	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 12:51	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 12:51	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 12:51	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	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 12:51	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 12:51	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 12:51	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 12:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 12:51	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	53-165		1	11/03/16 08:00	11/04/16 12:51	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	11/03/16 08:00	11/04/16 12:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: AW (2') **Lab ID: 40141121005** Collected: 10/31/16 13:20 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	94	%	48-138		1	11/03/16 08:00	11/04/16 12:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.1**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: B (4') **Lab ID: 40141121006** Collected: 10/31/16 13:25 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**0.77J**	mg/kg	1.3	0.42	1	11/08/16 15:35	11/09/16 14:41	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.0**	ug/kg	13.1	4.0	1	11/08/16 09:35	11/10/16 15:43	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.2	3.4	1	11/08/16 09:35	11/10/16 15:43	208-96-8	
Anthracene	**<5.8**	ug/kg	19.4	5.8	1	11/08/16 09:35	11/10/16 15:43	120-12-7	
Benzo(a)anthracene	**<3.2**	ug/kg	10.8	3.2	1	11/08/16 09:35	11/10/16 15:43	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.5	2.6	1	11/08/16 09:35	11/10/16 15:43	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.6	2.9	1	11/08/16 09:35	11/10/16 15:43	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	6.9	2.1	1	11/08/16 09:35	11/10/16 15:43	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.5	2.6	1	11/08/16 09:35	11/10/16 15:43	207-08-9	
Chrysene	**<3.4**	ug/kg	11.4	3.4	1	11/08/16 09:35	11/10/16 15:43	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.6	2.3	1	11/08/16 09:35	11/10/16 15:43	53-70-3	
Fluoranthene	**<5.3**	ug/kg	17.7	5.3	1	11/08/16 09:35	11/10/16 15:43	206-44-0	
Fluorene	**<4.2**	ug/kg	14.1	4.2	1	11/08/16 09:35	11/10/16 15:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.2**	ug/kg	7.5	2.2	1	11/08/16 09:35	11/10/16 15:43	193-39-5	
1-Methylnaphthalene	**<4.1**	ug/kg	13.7	4.1	1	11/08/16 09:35	11/10/16 15:43	90-12-0	
2-Methylnaphthalene	**<5.1**	ug/kg	17.0	5.1	1	11/08/16 09:35	11/10/16 15:43	91-57-6	
Naphthalene	**<8.6**	ug/kg	28.6	8.6	1	11/08/16 09:35	11/10/16 15:43	91-20-3	
Phenanthrene	**<11.9**	ug/kg	39.5	11.9	1	11/08/16 09:35	11/10/16 15:43	85-01-8	
Pyrene	**<4.6**	ug/kg	15.3	4.6	1	11/08/16 09:35	11/10/16 15:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	26-130		1	11/08/16 09:35	11/10/16 15:43	321-60-8	
Terphenyl-d14 (S)	92	%	10-130		1	11/08/16 09:35	11/10/16 15:43	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 13:14	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 13:14	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 13:14	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: B (4') **Lab ID: 40141121006** Collected: 10/31/16 13:25 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	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 13:14	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	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 13:14	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 13:14	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	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 13:14	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 13:14	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 13:14	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 13:14	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	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 13:14	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 13:14	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 13:14	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 13:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 13:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	11/03/16 08:00	11/04/16 13:14	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	11/03/16 08:00	11/04/16 13:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: B (4') **Lab ID: 40141121006** Collected: 10/31/16 13:25 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	91	%	48-138		1	11/03/16 08:00	11/04/16 13:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.9**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BN (2') **Lab ID: 40141121007** Collected: 10/31/16 13:30 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	1.3	0.42	1	11/08/16 15:35	11/09/16 14:48	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.1**	ug/kg	13.6	4.1	1	11/08/16 09:35	11/09/16 13:06	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.6	3.5	1	11/08/16 09:35	11/09/16 13:06	208-96-8	
Anthracene	**<6.0**	ug/kg	20.0	6.0	1	11/08/16 09:35	11/09/16 13:06	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	11.1	3.3	1	11/08/16 09:35	11/09/16 13:06	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.8	2.6	1	11/08/16 09:35	11/09/16 13:06	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	9.9	3.0	1	11/08/16 09:35	11/09/16 13:06	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.1	2.1	1	11/08/16 09:35	11/09/16 13:06	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.8	2.6	1	11/08/16 09:35	11/09/16 13:06	207-08-9	
Chrysene	**<3.5**	ug/kg	11.8	3.5	1	11/08/16 09:35	11/09/16 13:06	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.8	2.4	1	11/08/16 09:35	11/09/16 13:06	53-70-3	
Fluoranthene	**<5.5**	ug/kg	18.3	5.5	1	11/08/16 09:35	11/09/16 13:06	206-44-0	
Fluorene	**<4.4**	ug/kg	14.5	4.4	1	11/08/16 09:35	11/09/16 13:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.7	2.3	1	11/08/16 09:35	11/09/16 13:06	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	14.1	4.2	1	11/08/16 09:35	11/09/16 13:06	90-12-0	
2-Methylnaphthalene	**<5.3**	ug/kg	17.6	5.3	1	11/08/16 09:35	11/09/16 13:06	91-57-6	
Naphthalene	**<8.9**	ug/kg	29.5	8.9	1	11/08/16 09:35	11/09/16 13:06	91-20-3	
Phenanthrene	**<12.2**	ug/kg	40.8	12.2	1	11/08/16 09:35	11/09/16 13:06	85-01-8	
Pyrene	**<4.7**	ug/kg	15.8	4.7	1	11/08/16 09:35	11/09/16 13:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	26-130		1	11/08/16 09:35	11/09/16 13:06	321-60-8	
Terphenyl-d14 (S)	84	%	10-130		1	11/08/16 09:35	11/09/16 13:06	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 17:33	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 17:33	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 17:33	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BN (2') **Lab ID: 40141121007** Collected: 10/31/16 13:30 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	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 17:33	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	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 17:33	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 17:33	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	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 17:33	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 17:33	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 17:33	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 17:33	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	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 17:33	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 17:33	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 17:33	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 17:33	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	53-165		1	11/03/16 08:00	11/04/16 17:33	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	11/03/16 08:00	11/04/16 17:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BN (2') **Lab ID: 40141121007** Collected: 10/31/16 13:30 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	94	%	48-138		1	11/03/16 08:00	11/04/16 17:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BS (2') **Lab ID: 40141121008** Collected: 10/31/16 13:35 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.1**	mg/kg	1.3	0.44	1	11/08/16 15:35	11/09/16 14:50	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.2**	ug/kg	13.9	4.2	1	11/08/16 09:35	11/09/16 13:23	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.8	3.5	1	11/08/16 09:35	11/09/16 13:23	208-96-8	
Anthracene	**<6.1**	ug/kg	20.5	6.1	1	11/08/16 09:35	11/09/16 13:23	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.4	3.4	1	11/08/16 09:35	11/09/16 13:23	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	9.0	2.7	1	11/08/16 09:35	11/09/16 13:23	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10.1	3.0	1	11/08/16 09:35	11/09/16 13:23	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.3	2.2	1	11/08/16 09:35	11/09/16 13:23	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	9.0	2.7	1	11/08/16 09:35	11/09/16 13:23	207-08-9	
Chrysene	**<3.6**	ug/kg	12.1	3.6	1	11/08/16 09:35	11/09/16 13:23	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	8.0	2.4	1	11/08/16 09:35	11/09/16 13:23	53-70-3	
Fluoranthene	**<5.6**	ug/kg	18.7	5.6	1	11/08/16 09:35	11/09/16 13:23	206-44-0	
Fluorene	**<4.5**	ug/kg	14.9	4.5	1	11/08/16 09:35	11/09/16 13:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	7.9	2.4	1	11/08/16 09:35	11/09/16 13:23	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.4	4.3	1	11/08/16 09:35	11/09/16 13:23	90-12-0	
2-Methylnaphthalene	**<5.4**	ug/kg	18.0	5.4	1	11/08/16 09:35	11/09/16 13:23	91-57-6	
Naphthalene	**<9.1**	ug/kg	30.2	9.1	1	11/08/16 09:35	11/09/16 13:23	91-20-3	
Phenanthrene	**<12.5**	ug/kg	41.8	12.5	1	11/08/16 09:35	11/09/16 13:23	85-01-8	
Pyrene	**<4.9**	ug/kg	16.1	4.9	1	11/08/16 09:35	11/09/16 13:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	26-130		1	11/08/16 09:35	11/09/16 13:23	321-60-8	
Terphenyl-d14 (S)	74	%	10-130		1	11/08/16 09:35	11/09/16 13:23	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 08:00	11/04/16 17:56	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 08:00	11/04/16 17:56	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 08:00	11/04/16 17:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BS (2') **Lab ID: 40141121008** Collected: 10/31/16 13:35 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	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 17:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	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 17:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 08:00	11/04/16 17:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	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 17:56	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 08:00	11/04/16 17:56	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 17:56	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 17:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	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 17:56	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 17:56	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 17:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 08:00	11/04/16 17:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 08:00	11/04/16 17:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	11/03/16 08:00	11/04/16 17:56	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	11/03/16 08:00	11/04/16 17:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BS (2') **Lab ID: 40141121008** Collected: 10/31/16 13:35 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	97	%	48-138		1	11/03/16 08:00	11/04/16 17:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.1**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BE (2') **Lab ID: 40141121009** Collected: 10/31/16 13:40 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.1**	mg/kg	1.3	0.42	1	11/08/16 15:35	11/09/16 14:53	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.1**	ug/kg	13.6	4.1	1	11/08/16 09:35	11/09/16 13:41	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.6	3.5	1	11/08/16 09:35	11/09/16 13:41	208-96-8	
Anthracene	**<6.0**	ug/kg	20.0	6.0	1	11/08/16 09:35	11/09/16 13:41	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	11.2	3.3	1	11/08/16 09:35	11/09/16 13:41	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.8	2.6	1	11/08/16 09:35	11/09/16 13:41	50-32-8	
Benzo(b)fluoranthene	**4.0J**	ug/kg	9.9	3.0	1	11/08/16 09:35	11/09/16 13:41	205-99-2	
Benzo(g,h,i)perylene	**4.2J**	ug/kg	7.1	2.1	1	11/08/16 09:35	11/09/16 13:41	191-24-2	
Benzo(k)fluoranthene	**4.0J**	ug/kg	8.8	2.6	1	11/08/16 09:35	11/09/16 13:41	207-08-9	
Chrysene	**3.8J**	ug/kg	11.8	3.6	1	11/08/16 09:35	11/09/16 13:41	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.9	2.4	1	11/08/16 09:35	11/09/16 13:41	53-70-3	
Fluoranthene	**6.5J**	ug/kg	18.3	5.5	1	11/08/16 09:35	11/09/16 13:41	206-44-0	
Fluorene	**<4.4**	ug/kg	14.5	4.4	1	11/08/16 09:35	11/09/16 13:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.7	2.3	1	11/08/16 09:35	11/09/16 13:41	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	14.1	4.2	1	11/08/16 09:35	11/09/16 13:41	90-12-0	
2-Methylnaphthalene	**<5.3**	ug/kg	17.6	5.3	1	11/08/16 09:35	11/09/16 13:41	91-57-6	
Naphthalene	**<8.9**	ug/kg	29.6	8.9	1	11/08/16 09:35	11/09/16 13:41	91-20-3	
Phenanthrene	**<12.3**	ug/kg	40.9	12.3	1	11/08/16 09:35	11/09/16 13:41	85-01-8	
Pyrene	**5.6J**	ug/kg	15.8	4.8	1	11/08/16 09:35	11/09/16 13:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	26-130		1	11/08/16 09:35	11/09/16 13:41	321-60-8	
Terphenyl-d14 (S)	81	%	10-130		1	11/08/16 09:35	11/09/16 13:41	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 10:00	11/08/16 15:15	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 10:00	11/08/16 15:15	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 10:00	11/08/16 15:15	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/03/16 10:00	11/08/16 15:15	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BE (2') **Lab ID: 40141121009** Collected: 10/31/16 13:40 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 10:00	11/08/16 15:15	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 10:00	11/08/16 15:15	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 10:00	11/08/16 15:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 15:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	53-165		1	11/03/16 10:00	11/08/16 15:15	1868-53-7	
Toluene-d8 (S)	93	%	54-163		1	11/03/16 10:00	11/08/16 15:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BE (2') **Lab ID: 40141121009** Collected: 10/31/16 13:40 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	82	%	48-138		1	11/03/16 10:00	11/08/16 15:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.1**	%	0.10	0.10	1		11/03/16 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BW (2') **Lab ID: 40141121010** Collected: 10/31/16 13:45 Received: 11/01/16 10:30 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**1.5**	mg/kg	1.3	0.42	1	11/08/16 15:35	11/09/16 14:55	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.2**	ug/kg	13.8	4.2	1	11/08/16 09:35	11/12/16 01:34	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.8	3.5	1	11/08/16 09:35	11/12/16 01:34	208-96-8	
Anthracene	**<6.1**	ug/kg	20.3	6.1	1	11/08/16 09:35	11/12/16 01:34	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.3	3.4	1	11/08/16 09:35	11/12/16 01:34	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	9.0	2.7	1	11/08/16 09:35	11/12/16 01:34	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10.1	3.0	1	11/08/16 09:35	11/12/16 01:34	205-99-2	
Benzo(g,h,i)perylene	**4.8J**	ug/kg	7.2	2.2	1	11/08/16 09:35	11/12/16 01:34	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	8.9	2.7	1	11/08/16 09:35	11/12/16 01:34	207-08-9	
Chrysene	**<3.6**	ug/kg	12.0	3.6	1	11/08/16 09:35	11/12/16 01:34	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	8.0	2.4	1	11/08/16 09:35	11/12/16 01:34	53-70-3	
Fluoranthene	**<5.6**	ug/kg	18.6	5.6	1	11/08/16 09:35	11/12/16 01:34	206-44-0	
Fluorene	**<4.4**	ug/kg	14.8	4.4	1	11/08/16 09:35	11/12/16 01:34	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	7.8	2.4	1	11/08/16 09:35	11/12/16 01:34	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.3	4.3	1	11/08/16 09:35	11/12/16 01:34	90-12-0	
2-Methylnaphthalene	**<5.4**	ug/kg	17.9	5.4	1	11/08/16 09:35	11/12/16 01:34	91-57-6	
Naphthalene	**<9.0**	ug/kg	30.1	9.0	1	11/08/16 09:35	11/12/16 01:34	91-20-3	
Phenanthrene	**<12.5**	ug/kg	41.5	12.5	1	11/08/16 09:35	11/12/16 01:34	85-01-8	
Pyrene	**<4.8**	ug/kg	16.0	4.8	1	11/08/16 09:35	11/12/16 01:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	26-130		1	11/08/16 09:35	11/12/16 01:34	321-60-8	
Terphenyl-d14 (S)	72	%	10-130		1	11/08/16 09:35	11/12/16 01:34	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 10:00	11/08/16 11:07	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 10:00	11/08/16 11:07	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 10:00	11/08/16 11:07	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/03/16 10:00	11/08/16 11:07	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BW (2') **Lab ID: 40141121010** Collected: 10/31/16 13:45 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 10:00	11/08/16 11:07	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 10:00	11/08/16 11:07	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 10:00	11/08/16 11:07	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/08/16 11:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	53-165		1	11/03/16 10:00	11/08/16 11:07	1868-53-7	
Toluene-d8 (S)	91	%	54-163		1	11/03/16 10:00	11/08/16 11:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: BW (2') **Lab ID: 40141121010** Collected: 10/31/16 13:45 Received: 11/01/16 10:30 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	81	%	48-138		1	11/03/16 10:00	11/08/16 11:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		11/03/16 16:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: MEOH BLANK **Lab ID: 40141121011** Collected: 10/31/16 13:50 Received: 11/01/16 10:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/03/16 10:00	11/07/16 16:28	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/03/16 10:00	11/07/16 16:28	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/03/16 10:00	11/07/16 16:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/03/16 10:00	11/07/16 16:28	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/03/16 10:00	11/07/16 16:28	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Sample: MEOH BLANK **Lab ID: 40141121011** Collected: 10/31/16 13:50 Received: 11/01/16 10:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/03/16 10:00	11/07/16 16:28	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/03/16 10:00	11/07/16 16:28	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/03/16 10:00	11/07/16 16:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	53-165		1	11/03/16 10:00	11/07/16 16:28	1868-53-7	
Toluene-d8 (S)	99	%	54-163		1	11/03/16 10:00	11/07/16 16:28	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	11/03/16 10:00	11/07/16 16:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240710 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008, 40141121009, 40141121010

METHOD BLANK: 1426113 Matrix: Solid
Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008, 40141121009, 40141121010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	11/09/16 14:20	

LABORATORY CONTROL SAMPLE: 1426114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1426122 1426123

Parameter	Units	40141121002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	13.3	62.8	63.1	72.0	73.5	93	95	75-125	2	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240236 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008

METHOD BLANK: 1423076 Matrix: Solid
Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008

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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

METHOD BLANK: 1423076 Matrix: Solid

Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	11/03/16 11:11	
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	
m&p-Xylene	ug/kg	<34.4	100	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	
o-Xylene	ug/kg	<14.0	50.0	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	
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	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

LABORATORY CONTROL SAMPLE: 1423077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
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	
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	
m&p-Xylene	ug/kg	5000	5000	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2650	106	70-130	
Methylene Chloride	ug/kg	2500	2610	105	70-131	
o-Xylene	ug/kg	2500	2420	97	70-130	
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	
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	40141249001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423078 1423079

Parameter	Units	40141249001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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	
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	
m&p-Xylene	ug/kg	<52.1	2670	3330	2600	2980	97	89	70-130	13	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	
o-Xylene	ug/kg	<26.0	1340	1670	1230	1440	92	86	70-130	16	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	
4-Bromofluorobenzene (S)	%						100	96	48-138			
Dibromofluoromethane (S)	%						111	100	53-165			
Toluene-d8 (S)	%						107	104	54-163			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240259 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40141121009, 40141121010, 40141121011

METHOD BLANK: 1423185 Matrix: Solid
Associated Lab Samples: 40141121009, 40141121010, 40141121011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	11/07/16 11:05	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	11/07/16 11:05	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	11/07/16 11:05	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	11/07/16 11:05	
1,1-Dichloroethane	ug/kg	<17.6	50.0	11/07/16 11:05	
1,1-Dichloroethene	ug/kg	<17.6	50.0	11/07/16 11:05	
1,1-Dichloropropene	ug/kg	<14.0	50.0	11/07/16 11:05	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	11/07/16 11:05	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	11/07/16 11:05	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	11/07/16 11:05	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/07/16 11:05	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	11/07/16 11:05	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	11/07/16 11:05	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	11/07/16 11:05	
1,2-Dichloroethane	ug/kg	<15.0	50.0	11/07/16 11:05	
1,2-Dichloropropane	ug/kg	<16.8	50.0	11/07/16 11:05	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/07/16 11:05	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	11/07/16 11:05	
1,3-Dichloropropane	ug/kg	<12.0	50.0	11/07/16 11:05	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	11/07/16 11:05	
2,2-Dichloropropane	ug/kg	<12.6	50.0	11/07/16 11:05	
2-Chlorotoluene	ug/kg	<15.8	50.0	11/07/16 11:05	
4-Chlorotoluene	ug/kg	<13.0	50.0	11/07/16 11:05	
Benzene	ug/kg	<9.2	20.0	11/07/16 11:05	
Bromobenzene	ug/kg	<20.6	50.0	11/07/16 11:05	
Bromochloromethane	ug/kg	<21.4	50.0	11/07/16 11:05	
Bromodichloromethane	ug/kg	<9.8	50.0	11/07/16 11:05	
Bromoform	ug/kg	<19.8	50.0	11/07/16 11:05	
Bromomethane	ug/kg	<69.9	250	11/07/16 11:05	
Carbon tetrachloride	ug/kg	<12.1	50.0	11/07/16 11:05	
Chlorobenzene	ug/kg	<14.8	50.0	11/07/16 11:05	
Chloroethane	ug/kg	<67.0	250	11/07/16 11:05	
Chloroform	ug/kg	<46.4	250	11/07/16 11:05	
Chloromethane	ug/kg	<20.4	50.0	11/07/16 11:05	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	11/07/16 11:05	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	11/07/16 11:05	
Dibromochloromethane	ug/kg	<17.9	50.0	11/07/16 11:05	
Dibromomethane	ug/kg	<19.3	50.0	11/07/16 11:05	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	11/07/16 11:05	
Diisopropyl ether	ug/kg	<17.7	50.0	11/07/16 11:05	
Ethylbenzene	ug/kg	<12.4	50.0	11/07/16 11:05	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

METHOD BLANK: 1423185 Matrix: Solid
Associated Lab Samples: 40141121009, 40141121010, 40141121011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	11/07/16 11:05	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	11/07/16 11:05	
m&p-Xylene	ug/kg	<34.4	100	11/07/16 11:05	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/07/16 11:05	
Methylene Chloride	ug/kg	<16.2	50.0	11/07/16 11:05	
n-Butylbenzene	ug/kg	<10.5	50.0	11/07/16 11:05	
n-Propylbenzene	ug/kg	<11.6	50.0	11/07/16 11:05	
Naphthalene	ug/kg	<40.0	250	11/07/16 11:05	
o-Xylene	ug/kg	<14.0	50.0	11/07/16 11:05	
p-Isopropyltoluene	ug/kg	<12.0	50.0	11/07/16 11:05	
sec-Butylbenzene	ug/kg	<11.9	50.0	11/07/16 11:05	
Styrene	ug/kg	<9.0	50.0	11/07/16 11:05	
tert-Butylbenzene	ug/kg	<9.5	50.0	11/07/16 11:05	
Tetrachloroethene	ug/kg	<12.9	50.0	11/07/16 11:05	
Toluene	ug/kg	<11.2	50.0	11/07/16 11:05	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	11/07/16 11:05	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	11/07/16 11:05	
Trichloroethene	ug/kg	<23.6	50.0	11/07/16 11:05	
Trichlorofluoromethane	ug/kg	<24.7	50.0	11/07/16 11:05	
Vinyl chloride	ug/kg	<21.1	50.0	11/07/16 11:05	
4-Bromofluorobenzene (S)	%	93	48-138	11/07/16 11:05	
Dibromofluoromethane (S)	%	108	53-165	11/07/16 11:05	
Toluene-d8 (S)	%	105	54-163	11/07/16 11:05	

LABORATORY CONTROL SAMPLE: 1423186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2200	88	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2350	94	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2270	91	70-130	
1,1-Dichloroethane	ug/kg	2500	2190	88	70-133	
1,1-Dichloroethene	ug/kg	2500	1770	71	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2270	91	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2160	87	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2470	99	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
1,2-Dichloroethane	ug/kg	2500	2390	95	70-138	
1,2-Dichloropropane	ug/kg	2500	2470	99	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2310	93	70-130	
Benzene	ug/kg	2500	2340	94	70-130	
Bromodichloromethane	ug/kg	2500	2340	93	70-130	
Bromoform	ug/kg	2500	2190	88	68-130	
Bromomethane	ug/kg	2500	2240	89	25-163	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

LABORATORY CONTROL SAMPLE: 1423186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2200	88	70-130	
Chlorobenzene	ug/kg	2500	2350	94	70-130	
Chloroethane	ug/kg	2500	2370	95	34-151	
Chloroform	ug/kg	2500	2200	88	70-130	
Chloromethane	ug/kg	2500	1620	65	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2180	87	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2220	89	70-130	
Dibromochloromethane	ug/kg	2500	2350	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1520	61	27-150	
Ethylbenzene	ug/kg	2500	2280	91	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2410	96	70-130	
m&p-Xylene	ug/kg	5000	4760	95	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2340	94	70-130	
Methylene Chloride	ug/kg	2500	1780	71	70-131	
o-Xylene	ug/kg	2500	2410	96	70-130	
Styrene	ug/kg	2500	2370	95	70-130	
Tetrachloroethene	ug/kg	2500	2310	92	70-130	
Toluene	ug/kg	2500	2340	93	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	1900	76	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2260	90	70-130	
Trichloroethene	ug/kg	2500	2160	86	70-130	
Trichlorofluoromethane	ug/kg	2500	2320	93	50-150	
Vinyl chloride	ug/kg	2500	1920	77	57-130	
4-Bromofluorobenzene (S)	%			95	48-138	
Dibromofluoromethane (S)	%			103	53-165	
Toluene-d8 (S)	%			102	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423187 1423188

Parameter	Units	40141170002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<0.025 mg/kg	1440	1440	1310	1220	91	84	70-130	8	20	
1,1,2,2-Tetrachloroethane	ug/kg	<0.025 mg/kg	1440	1440	1470	1390	102	97	70-130	5	20	
1,1,2-Trichloroethane	ug/kg	<0.025 mg/kg	1440	1440	1340	1330	93	92	70-130	1	20	
1,1-Dichloroethane	ug/kg	<0.025 mg/kg	1440	1440	1320	1300	92	90	64-133	2	20	
1,1-Dichloroethene	ug/kg	<0.025 mg/kg	1440	1440	981	957	68	66	56-130	2	24	
1,2,4-Trichlorobenzene	ug/kg	<0.048 mg/kg	1440	1440	1450	1400	101	97	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	<0.091 mg/kg	1440	1440	1360	1360	94	94	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/kg	<0.025 mg/kg	1440	1440	1480	1500	103	104	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423187 1423188

Parameter	Units	40141170002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<0.025 mg/kg	1440	1440	1510	1450	105	101	70-130	4	20	
1,2-Dichloroethane	ug/kg	<0.025 mg/kg	1440	1440	1460	1450	101	100	70-138	1	20	
1,2-Dichloropropane	ug/kg	<0.025 mg/kg	1440	1440	1430	1460	99	101	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	<0.025 mg/kg	1440	1440	1490	1470	104	102	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<0.025 mg/kg	1440	1440	1500	1410	104	98	70-130	6	20	
Benzene	ug/kg	<0.025 mg/kg	1440	1440	1440	1380	100	95	70-130	4	20	
Bromodichloromethane	ug/kg	<0.025 mg/kg	1440	1440	1340	1410	93	98	70-130	5	20	
Bromoform	ug/kg	<0.025 mg/kg	1440	1440	1350	1330	93	92	65-130	2	20	
Bromomethane	ug/kg	<0.070 mg/kg	1440	1440	1300	1360	90	95	11-163	5	21	
Carbon tetrachloride	ug/kg	<0.025 mg/kg	1440	1440	1310	1190	91	83	70-130	9	20	
Chlorobenzene	ug/kg	<0.025 mg/kg	1440	1440	1460	1440	101	100	70-130	1	20	
Chloroethane	ug/kg	<0.067 mg/kg	1440	1440	1480	1340	103	93	17-151	10	20	
Chloroform	ug/kg	<0.046 mg/kg	1440	1440	1350	1320	94	92	70-130	2	20	
Chloromethane	ug/kg	<0.025 mg/kg	1440	1440	820	807	57	56	13-130	2	20	
cis-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1440	1440	1300	1340	90	93	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1440	1440	1290	1350	89	94	70-130	5	20	
Dibromochloromethane	ug/kg	<0.025 mg/kg	1440	1440	1410	1380	98	96	70-130	2	20	
Dichlorodifluoromethane	ug/kg	<0.025 mg/kg	1440	1440	661	584	46	40	10-150	12	21	
Ethylbenzene	ug/kg	<0.025 mg/kg	1440	1440	1360	1350	95	94	70-130	1	20	
Isopropylbenzene (Cumene)	ug/kg	<0.025 mg/kg	1440	1440	1460	1390	101	96	70-130	5	20	
m&p-Xylene	ug/kg	<0.050 mg/kg	2890	2890	2900	2760	100	96	70-130	5	20	
Methyl-tert-butyl ether	ug/kg	<0.025 mg/kg	1440	1440	1360	1350	94	93	70-130	1	20	
Methylene Chloride	ug/kg	<0.025 mg/kg	1440	1440	1100	1070	76	74	70-131	2	20	
o-Xylene	ug/kg	<0.025 mg/kg	1440	1440	1460	1420	101	99	70-130	2	20	
Styrene	ug/kg	<0.025 mg/kg	1440	1440	1400	1390	97	96	70-130	1	20	
Tetrachloroethene	ug/kg	<0.025 mg/kg	1440	1440	1330	1210	92	84	70-130	9	20	
Toluene	ug/kg	<0.025 mg/kg	1440	1440	1430	1360	99	94	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1423187 1423188

Parameter	Units	40141170002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1440	1440	1140	1130	79	78	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1440	1440	1360	1340	95	93	70-130	2	20	
Trichloroethene	ug/kg	<0.025 mg/kg	1440	1440	1330	1280	90	87	70-130	4	20	
Trichlorofluoromethane	ug/kg	<0.025 mg/kg	1440	1440	1240	1120	86	77	40-150	11	31	
Vinyl chloride	ug/kg	<0.025 mg/kg	1440	1440	1100	996	76	69	26-130	10	20	
4-Bromofluorobenzene (S)	%						80	72	48-138			
Dibromofluoromethane (S)	%						88	78	53-165			
Toluene-d8 (S)	%						87	75	54-163			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240646
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40141121001

METHOD BLANK: 1425777 Matrix: Solid
Associated Lab Samples: 40141121001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/08/16 12:07	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/08/16 12:07	
Acenaphthene	ug/kg	<3.9	12.9	11/08/16 12:07	
Acenaphthylene	ug/kg	<3.3	11.0	11/08/16 12:07	
Anthracene	ug/kg	<5.7	19.0	11/08/16 12:07	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/08/16 12:07	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/08/16 12:07	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/08/16 12:07	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/08/16 12:07	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/08/16 12:07	
Chrysene	ug/kg	<3.4	11.2	11/08/16 12:07	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/08/16 12:07	
Fluoranthene	ug/kg	<5.2	17.4	11/08/16 12:07	
Fluorene	ug/kg	<4.1	13.8	11/08/16 12:07	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/08/16 12:07	
Naphthalene	ug/kg	<8.4	28.1	11/08/16 12:07	
Phenanthrene	ug/kg	<11.6	38.8	11/08/16 12:07	
Pyrene	ug/kg	<4.5	15.0	11/08/16 12:07	
2-Fluorobiphenyl (S)	%	47	26-130	11/08/16 12:07	
Terphenyl-d14 (S)	%	80	10-130	11/08/16 12:07	

LABORATORY CONTROL SAMPLE: 1425778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	238	71	48-130	
2-Methylnaphthalene	ug/kg	333	235	71	49-130	
Acenaphthene	ug/kg	333	228	68	54-130	
Acenaphthylene	ug/kg	333	221	66	56-130	
Anthracene	ug/kg	333	278	83	70-130	
Benzo(a)anthracene	ug/kg	333	235	70	58-130	
Benzo(a)pyrene	ug/kg	333	237	71	58-130	
Benzo(b)fluoranthene	ug/kg	333	237	71	50-130	
Benzo(g,h,i)perylene	ug/kg	333	215	64	39-130	
Benzo(k)fluoranthene	ug/kg	333	307	92	57-130	
Chrysene	ug/kg	333	299	90	64-130	
Dibenz(a,h)anthracene	ug/kg	333	237	71	44-130	
Fluoranthene	ug/kg	333	265	79	59-130	
Fluorene	ug/kg	333	228	68	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	240	72	45-130	
Naphthalene	ug/kg	333	245	73	46-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

LABORATORY CONTROL SAMPLE: 1425778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	249	75	56-130	
Pyrene	ug/kg	333	242	73	59-130	
2-Fluorobiphenyl (S)	%			70	26-130	
Terphenyl-d14 (S)	%			82	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425779 1425780

Parameter	Units	40141422003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	122	394	394	418	396	75	69	41-130	6	24	
2-Methylnaphthalene	ug/kg	105	394	394	380	372	70	67	42-130	2	25	
Acenaphthene	ug/kg	<18.4	394	394	212	239	54	61	49-130	12	27	
Acenaphthylene	ug/kg	<15.6	394	394	213	238	54	60	52-130	11	26	
Anthracene	ug/kg	<27.0	394	394	233	275	59	70	61-130	17	29	M1
Benzo(a)anthracene	ug/kg	<15.0	394	394	249	278	61	69	45-130	11	28	
Benzo(a)pyrene	ug/kg	<11.9	394	394	231	268	58	68	39-130	15	34	
Benzo(b)fluoranthene	ug/kg	<13.4	394	394	243	275	62	70	30-130	12	43	
Benzo(g,h,i)perylene	ug/kg	<9.6	394	394	233	271	59	69	24-130	15	34	
Benzo(k)fluoranthene	ug/kg	<11.9	394	394	253	295	64	75	41-130	15	32	
Chrysene	ug/kg	<16.0	394	394	239	276	61	70	46-130	14	37	
Dibenz(a,h)anthracene	ug/kg	<10.6	394	394	199	228	50	58	33-130	14	34	
Fluoranthene	ug/kg	<24.7	394	394	238	275	60	70	41-130	14	25	
Fluorene	ug/kg	<19.6	394	394	216	243	55	62	49-130	12	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<10.4	394	394	215	248	55	63	30-130	14	28	
Naphthalene	ug/kg	1670	394	394	2210	1990	137	81	39-130	10	26	M1
Phenanthrene	ug/kg	<55.2	394	394	248	287	61	71	47-130	15	26	
Pyrene	ug/kg	<21.4	394	394	227	250	56	62	37-130	10	30	
2-Fluorobiphenyl (S)	%						55	58	26-130			
Terphenyl-d14 (S)	%						62	70	10-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240647 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008, 40141121009, 40141121010

METHOD BLANK: 1425783 Matrix: Solid
Associated Lab Samples: 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008, 40141121009, 40141121010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/08/16 14:23	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/08/16 14:23	
Acenaphthene	ug/kg	<3.9	12.9	11/08/16 14:23	
Acenaphthylene	ug/kg	<3.3	11.0	11/08/16 14:23	
Anthracene	ug/kg	<5.7	19.0	11/08/16 14:23	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/08/16 14:23	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/08/16 14:23	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/08/16 14:23	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/08/16 14:23	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/08/16 14:23	
Chrysene	ug/kg	<3.4	11.2	11/08/16 14:23	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/08/16 14:23	
Fluoranthene	ug/kg	<5.2	17.4	11/08/16 14:23	
Fluorene	ug/kg	<4.1	13.8	11/08/16 14:23	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/08/16 14:23	
Naphthalene	ug/kg	<8.4	28.1	11/08/16 14:23	
Phenanthrene	ug/kg	<11.6	38.8	11/08/16 14:23	
Pyrene	ug/kg	<4.5	15.0	11/08/16 14:23	
2-Fluorobiphenyl (S)	%	71	26-130	11/08/16 14:23	
Terphenyl-d14 (S)	%	90	10-130	11/08/16 14:23	

LABORATORY CONTROL SAMPLE: 1425784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	222	67	48-130	
2-Methylnaphthalene	ug/kg	333	216	65	49-130	
Acenaphthene	ug/kg	333	238	71	54-130	
Acenaphthylene	ug/kg	333	236	71	56-130	
Anthracene	ug/kg	333	309	93	70-130	
Benzo(a)anthracene	ug/kg	333	244	73	58-130	
Benzo(a)pyrene	ug/kg	333	267	80	58-130	
Benzo(b)fluoranthene	ug/kg	333	275	83	50-130	
Benzo(g,h,i)perylene	ug/kg	333	252	76	39-130	
Benzo(k)fluoranthene	ug/kg	333	320	96	57-130	
Chrysene	ug/kg	333	306	92	64-130	
Dibenz(a,h)anthracene	ug/kg	333	274	82	44-130	
Fluoranthene	ug/kg	333	274	82	59-130	
Fluorene	ug/kg	333	234	70	56-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

LABORATORY CONTROL SAMPLE: 1425784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	279	84	45-130	
Naphthalene	ug/kg	333	263	79	46-130	
Phenanthrene	ug/kg	333	264	79	56-130	
Pyrene	ug/kg	333	267	80	59-130	
2-Fluorobiphenyl (S)	%			70	26-130	
Terphenyl-d14 (S)	%			84	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1425785 1425786

Parameter	Units	40141121006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<4.1	339	339	226	256	66	75	41-130	12	24	
2-Methylnaphthalene	ug/kg	<5.1	339	339	213	241	63	71	42-130	12	25	
Acenaphthene	ug/kg	<4.0	339	339	218	232	64	68	49-130	6	27	
Acenaphthylene	ug/kg	<3.4	339	339	216	228	64	67	52-130	5	26	
Anthracene	ug/kg	<5.8	339	339	275	286	81	84	61-130	4	29	
Benzo(a)anthracene	ug/kg	<3.2	339	339	223	236	65	69	45-130	6	28	
Benzo(a)pyrene	ug/kg	<2.6	339	339	221	239	65	70	39-130	8	34	
Benzo(b)fluoranthene	ug/kg	<2.9	339	339	220	254	65	75	30-130	14	43	
Benzo(g,h,i)perylene	ug/kg	<2.1	339	339	201	215	59	63	24-130	7	34	
Benzo(k)fluoranthene	ug/kg	<2.6	339	339	327	346	96	102	41-130	5	32	
Chrysene	ug/kg	<3.4	339	339	302	326	89	96	46-130	8	37	
Dibenz(a,h)anthracene	ug/kg	<2.3	339	339	228	247	67	73	33-130	8	34	
Fluoranthene	ug/kg	<5.3	339	339	251	265	74	78	41-130	5	25	
Fluorene	ug/kg	<4.2	339	339	220	232	65	68	49-130	5	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	339	339	230	251	68	74	30-130	9	28	
Naphthalene	ug/kg	<8.6	339	339	240	262	71	77	39-130	9	26	
Phenanthrene	ug/kg	<11.9	339	339	234	247	69	73	47-130	5	26	
Pyrene	ug/kg	<4.6	339	339	262	275	77	81	37-130	5	30	
2-Fluorobiphenyl (S)	%						66	70	26-130			
Terphenyl-d14 (S)	%						82	85	10-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240283 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141121001, 40141121002, 40141121003, 40141121004, 40141121005, 40141121006, 40141121007, 40141121008, 40141121009

SAMPLE DUPLICATE: 1423393

Parameter	Units	40141121001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.8	18.8	0	10	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: 58167157 TENNYSON
Pace Project No.: 40141121

QC Batch: 240286
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141121010

SAMPLE DUPLICATE: 1423398

Parameter	Units	40141140001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.8	15.9	0	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: 58167157 TENNYSON
Pace Project No.: 40141121

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

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58167157 TENNYSON
Pace Project No.: 40141121

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141121001	**A (4')**	EPA 3050	240710	EPA 6010	240804
40141121002	**AN (2')**	EPA 3050	240710	EPA 6010	240804
40141121003	**AS (2')**	EPA 3050	240710	EPA 6010	240804
40141121004	**AE (2')**	EPA 3050	240710	EPA 6010	240804
40141121005	**AW (2')**	EPA 3050	240710	EPA 6010	240804
40141121006	**B (4')**	EPA 3050	240710	EPA 6010	240804
40141121007	**BN (2')**	EPA 3050	240710	EPA 6010	240804
40141121008	**BS (2')**	EPA 3050	240710	EPA 6010	240804
40141121009	**BE (2')**	EPA 3050	240710	EPA 6010	240804
40141121010	**BW (2')**	EPA 3050	240710	EPA 6010	240804
40141121001	**A (4')**	EPA 3546	240646	EPA 8270 by SIM	240679
40141121002	**AN (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121003	**AS (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121004	**AE (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121005	**AW (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121006	**B (4')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121007	**BN (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121008	**BS (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121009	**BE (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121010	**BW (2')**	EPA 3546	240647	EPA 8270 by SIM	240689
40141121001	**A (4')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121002	**AN (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121003	**AS (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121004	**AE (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121005	**AW (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121006	**B (4')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121007	**BN (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121008	**BS (2')**	EPA 5035/5030B	240236	EPA 8260	240247
40141121009	**BE (2')**	EPA 5035/5030B	240259	EPA 8260	240263
40141121010	**BW (2')**	EPA 5035/5030B	240259	EPA 8260	240263
40141121011	**MEOH BLANK**	EPA 5035/5030B	240259	EPA 8260	240263
40141121001	**A (4')**	ASTM D2974-87	240283		
40141121002	**AN (2')**	ASTM D2974-87	240283		
40141121003	**AS (2')**	ASTM D2974-87	240283		
40141121004	**AE (2')**	ASTM D2974-87	240283		
40141121005	**AW (2')**	ASTM D2974-87	240283		
40141121006	**B (4')**	ASTM D2974-87	240283		
40141121007	**BN (2')**	ASTM D2974-87	240283		
40141121008	**BS (2')**	ASTM D2974-87	240283		
40141121009	**BE (2')**	ASTM D2974-87	240283		
40141121010	**BW (2')**	ASTM D2974-87	240286		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40141121

(Please Print Clearly)

Company Name:	Terracon
Branch/Location:	Franklin, WI
Project Contact:	Bleeno Schroger / Paul Lonkler
Phone:	414 423-0255
Project Number:	58167157
Project Name:	Tennyson
Project State:	WI
Sampled By (Print):	PAC
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC's, 40ml glass (Filtered: –; Preservation: F)	PAH, lead, dry wt 4oz Amber glass (Filtered: –; Preservation: A)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	A (4')	10/31/16	1300	S	1	1		1-40ml F 1-4oz Ag A	
002	AN (2')	↓	1305	↓	1	1		↓	
003	AS (2')		1310		1	1			
004	AE (2')		1315		1	1			
005	AW (2')		1320		1	1			
006	B (4')		1325		1	1			
007	BN (2')		1330		1	1			
008	BS (2')		1335		1	1			
009	BE (2')		1340		1	1			
010	BW (2')	10/31/16	1345	S	1	1			
011	MeOH blank	10/31	1350	X	1				

PAC

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: Standard

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/31/16 / 1700 (Via CS Logistics)		
CS Logistic	11-1-16 1030	Melissa Vanmone Pace	11-1-16 1030

PACE Project No. 40141121

Receipt Temp = RO °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO#: 40141121**

40141121

Client Name: Terracon

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CSLogistics

Tracking #: 173.103116

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: /Corr: 2.0 / **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 11-1-16
Initials: MV

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

Project Manager Review: DMH for DM **Date:** 11/1/16

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 16, 2016

Blaine Schroyer
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Dear Blaine Schroyer:
Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141736001	**PCB AREA**	Solid	11/09/16 10:05	11/10/16 10:10

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141736001	**PCB AREA**	WI MOD DRO	ABF	1	PASI-G
		WI MOD GRO	ALD	2	PASI-G
		ASTM D2974-87	KTS	1	PASI-G

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SUMMARY OF DETECTION

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141736001	**PCB AREA**					
WI MOD DRO	Diesel Range Organics	2.0	mg/kg	1.8	11/15/16 23:29	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	11/10/16 17:28	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: Terracon, Inc. - Franklin
Date: November 16, 2016

General Information:
1 sample was analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Terracon, Inc. - Franklin
Date: November 16, 2016

General Information:
1 sample was analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Sample: PCB AREA **Lab ID: 40141736001** Collected: 11/09/16 10:05 Received: 11/10/16 10:10 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
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**2.0**	mg/kg	1.8	0.71	1	11/11/16 09:06	11/15/16 23:29		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<28.7**	ug/kg	57.3	28.7	1	11/11/16 06:00	11/11/16 10:21	71-43-2	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	11/11/16 06:00	11/11/16 10:21	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.8**	%	0.10	0.10	1		11/10/16 17:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

QC Batch: 241022 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40141736001

METHOD BLANK: 1428356 Matrix: Solid
Associated Lab Samples: 40141736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	<25.0	50.0	11/11/16 09:04	
a,a,a-Trifluorotoluene (S)	%	101	80-120	11/11/16 09:04	

LABORATORY CONTROL SAMPLE & LCSD: 1428357 1428358

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	1040	1040	104	104	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-120			

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

QC Batch: 241042 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 40141736001

METHOD BLANK: 1428397 Matrix: Solid
Associated Lab Samples: 40141736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.80	2.0	11/15/16 22:34	

LABORATORY CONTROL SAMPLE & LCSD: 1428398 1428399

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	35.3	33.2	88	83	70-120	6	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

QC Batch: 241004
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141736001

SAMPLE DUPLICATE: 1428143

Parameter	Units	40141764001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	15.6	6	10	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

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.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141736

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141736001	**PCB AREA**	WI MOD DRO	241042	WI MOD DRO	241118
40141736001	**PCB AREA**	TPH GRO/PVOC WI ext.	241022	WI MOD GRO	241034
40141736001	**PCB AREA**	ASTM D2974-87	241004		

40141736

(Please Print Clearly)

Company Name:	Terracon
Branch/Location:	Franklin, WI
Project Contact:	Blair Schroeyer / Paul [illegible]
Phone:	414 423-0255
Project Number:	58167157
Project Name:	Keller Property
Project State:	WI
Sampled By (Print):	PAL
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) — Y/N: – | –
PRESERVATION (CODE)* — Pick Letter: F | A

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Benzene, 40ml glass vial	DRO, 4oz Amber glass (un tarred)							CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	PCB area	11/9/16	1005	S	1	1							1-40ml VF	1-4 oz pA 1-4oz agA	

PAL

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: *2-day*

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	11/9/16 / 1400 (via CS logistics)		
CS Logistics	11/10/16 1010	[signature] Pace	11/10/16 1016

PACE Project No. 40141736

Receipt Temp = ROI °C

Sample Receipt pH
~~OK / Adjusted~~

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Client Name: Terracon

Project #: **WO# : 40141736**

40141736

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #: 3554. 110916

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

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

Person examining contents:
Date: 11/10/16
Initials: BH

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 17, 2016

Blaine Schroyer
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Dear Blaine Schroyer:
Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 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

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CERTIFICATIONS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

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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SAMPLE SUMMARY

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141761001	**NW**	Solid	11/09/16 10:25	11/10/16 10:10
40141761002	**NE**	Solid	11/09/16 10:27	11/10/16 10:10
40141761003	**SW**	Solid	11/09/16 10:30	11/10/16 10:10
40141761004	**SE**	Solid	11/09/16 10:33	11/10/16 10:10
40141761005	**WEST N**	Solid	11/09/16 13:10	11/10/16 10:10
40141761006	**WEST S**	Solid	11/09/16 13:13	11/10/16 10:10
40141761007	**WEST E**	Solid	11/09/16 13:18	11/10/16 10:10
40141761008	**WEST W**	Solid	11/09/16 13:21	11/10/16 10:10
40141761009	**WEST BASE**	Solid	11/09/16 13:25	11/10/16 10:10
40141761010	**MEOH BLANK**	Solid	11/09/16 13:28	11/10/16 10:10

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SAMPLE ANALYTE COUNT

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141761001	**NW**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761002	**NE**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761003	**SW**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761004	**SE**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761005	**WEST N**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761006	**WEST S**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761007	**WEST E**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761008	**WEST W**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761009	**WEST BASE**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141761010	**MEOH BLANK**	EPA 8260	LAP	64	PASI-G

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SUMMARY OF DETECTION

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141761001	**NW**					
ASTM D2974-87	Percent Moisture	19.5	%	0.10	11/14/16 12:42	
40141761002	**NE**					
ASTM D2974-87	Percent Moisture	20.1	%	0.10	11/14/16 12:42	
40141761003	**SW**					
ASTM D2974-87	Percent Moisture	19.2	%	0.10	11/14/16 12:42	
40141761004	**SE**					
ASTM D2974-87	Percent Moisture	19.6	%	0.10	11/14/16 12:42	
40141761005	**WEST N**					
EPA 6010	Lead	10.8	mg/kg	1.6	11/15/16 15:44	
ASTM D2974-87	Percent Moisture	17.6	%	0.10	11/14/16 12:42	
40141761006	**WEST S**					
EPA 6010	Lead	12.2	mg/kg	1.6	11/15/16 15:46	
ASTM D2974-87	Percent Moisture	19.3	%	0.10	11/14/16 12:42	
40141761007	**WEST E**					
EPA 6010	Lead	9.6	mg/kg	2.8	11/16/16 09:45	
ASTM D2974-87	Percent Moisture	17.1	%	0.10	11/14/16 12:43	
40141761008	**WEST W**					
EPA 6010	Lead	13.6	mg/kg	1.5	11/15/16 15:51	
ASTM D2974-87	Percent Moisture	16.3	%	0.10	11/14/16 12:21	
40141761009	**WEST BASE**					
EPA 6010	Lead	3.1	mg/kg	1.3	11/15/16 15:53	
ASTM D2974-87	Percent Moisture	9.6	%	0.10	11/14/16 12:21	

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: Terracon, Inc. - Franklin
Date: November 17, 2016

General Information:
4 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3541 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 241075

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1428680)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)
- MSD (Lab ID: 1428681)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 241075

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40141648001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1428680)
  - PCB-1260 (Aroclor 1260)
- MSD (Lab ID: 1428681)
  - PCB-1260 (Aroclor 1260)

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: Terracon, Inc. - Franklin
Date: November 17, 2016

Additional Comments:

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Terracon, Inc. - Franklin
Date: November 17, 2016

General Information:
5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon, Inc. - Franklin
Date: November 17, 2016

General Information:
5 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: November 17, 2016

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: NW **Lab ID: 40141761001** Collected: 11/09/16 10:25 Received: 11/10/16 10:10 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	11096-82-5	
PCB, Total	**<31.1**	ug/kg	62.1	31.1	1	11/11/16 11:30	11/12/16 12:35	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	63-130		1	11/11/16 11:30	11/12/16 12:35	877-09-8	
Decachlorobiphenyl (S)	76	%	48-130		1	11/11/16 11:30	11/12/16 12:35	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.5**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: NE **Lab ID: 40141761002** Collected: 11/09/16 10:27 Received: 11/10/16 10:10 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	11096-82-5	
PCB, Total	**<31.3**	ug/kg	62.6	31.3	1	11/11/16 11:30	11/12/16 12:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	63-130		1	11/11/16 11:30	11/12/16 12:53	877-09-8	
Decachlorobiphenyl (S)	78	%	48-130		1	11/11/16 11:30	11/12/16 12:53	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: SW **Lab ID: 40141761003** Collected: 11/09/16 10:30 Received: 11/10/16 10:10 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	11096-82-5	
PCB, Total	**<31.0**	ug/kg	61.9	31.0	1	11/11/16 11:30	11/12/16 13:10	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	63-130		1	11/11/16 11:30	11/12/16 13:10	877-09-8	
Decachlorobiphenyl (S)	75	%	48-130		1	11/11/16 11:30	11/12/16 13:10	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: SE **Lab ID: 40141761004** Collected: 11/09/16 10:33 Received: 11/10/16 10:10 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	11096-82-5	
PCB, Total	**<31.1**	ug/kg	62.2	31.1	1	11/11/16 11:30	11/12/16 13:28	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	63-130		1	11/11/16 11:30	11/12/16 13:28	877-09-8	
Decachlorobiphenyl (S)	78	%	48-130		1	11/11/16 11:30	11/12/16 13:28	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.6**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST N **Lab ID: 40141761005** Collected: 11/09/16 13:10 Received: 11/10/16 10:10 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**10.8**	mg/kg	1.6	0.52	1	11/14/16 14:51	11/15/16 15:44	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.7**	ug/kg	15.7	4.7	1	11/11/16 09:04	11/14/16 13:26	83-32-9	
Acenaphthylene	**<4.0**	ug/kg	13.4	4.0	1	11/11/16 09:04	11/14/16 13:26	208-96-8	
Anthracene	**<6.9**	ug/kg	23.1	6.9	1	11/11/16 09:04	11/14/16 13:26	120-12-7	
Benzo(a)anthracene	**<3.9**	ug/kg	12.9	3.9	1	11/11/16 09:04	11/14/16 13:26	56-55-3	
Benzo(a)pyrene	**<3.0**	ug/kg	10.2	3.0	1	11/11/16 09:04	11/14/16 13:26	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	11.4	3.4	1	11/11/16 09:04	11/14/16 13:26	205-99-2	
Benzo(g,h,i)perylene	**<2.5**	ug/kg	8.2	2.5	1	11/11/16 09:04	11/14/16 13:26	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	10.2	3.0	1	11/11/16 09:04	11/14/16 13:26	207-08-9	
Chrysene	**<4.1**	ug/kg	13.6	4.1	1	11/11/16 09:04	11/14/16 13:26	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	9.0	2.7	1	11/11/16 09:04	11/14/16 13:26	53-70-3	
Fluoranthene	**<6.3**	ug/kg	21.1	6.3	1	11/11/16 09:04	11/14/16 13:26	206-44-0	
Fluorene	**<5.0**	ug/kg	16.8	5.0	1	11/11/16 09:04	11/14/16 13:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.7**	ug/kg	8.9	2.7	1	11/11/16 09:04	11/14/16 13:26	193-39-5	
1-Methylnaphthalene	**<4.9**	ug/kg	16.3	4.9	1	11/11/16 09:04	11/14/16 13:26	90-12-0	
2-Methylnaphthalene	**<6.1**	ug/kg	20.3	6.1	1	11/11/16 09:04	11/14/16 13:26	91-57-6	
Naphthalene	**<10.2**	ug/kg	34.1	10.2	1	11/11/16 09:04	11/14/16 13:26	91-20-3	
Phenanthrene	**<14.1**	ug/kg	47.1	14.1	1	11/11/16 09:04	11/14/16 13:26	85-01-8	
Pyrene	**<5.5**	ug/kg	18.2	5.5	1	11/11/16 09:04	11/14/16 13:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	26-130		1	11/11/16 09:04	11/14/16 13:26	321-60-8	
Terphenyl-d14 (S)	63	%	10-130		1	11/11/16 09:04	11/14/16 13:26	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/11/16 09:00	11/11/16 22:46	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/11/16 09:00	11/11/16 22:46	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/11/16 09:00	11/11/16 22:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/11/16 09:00	11/11/16 22:46	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST N **Lab ID: 40141761005** Collected: 11/09/16 13:10 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/11/16 09:00	11/11/16 22:46	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/11/16 09:00	11/11/16 22:46	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/11/16 09:00	11/11/16 22:46	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 22:46	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	53-165		1	11/11/16 09:00	11/11/16 22:46	1868-53-7	
Toluene-d8 (S)	119	%	54-163		1	11/11/16 09:00	11/11/16 22:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST N **Lab ID: 40141761005** Collected: 11/09/16 13:10 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	108	%	48-138		1	11/11/16 09:00	11/11/16 22:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.6**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST S **Lab ID: 40141761006** Collected: 11/09/16 13:13 Received: 11/10/16 10:10 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**12.2**	mg/kg	1.6	0.53	1	11/14/16 14:51	11/15/16 15:46	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.8**	ug/kg	16.0	4.8	1	11/11/16 09:04	11/14/16 13:43	83-32-9	
Acenaphthylene	**<4.1**	ug/kg	13.6	4.1	1	11/11/16 09:04	11/14/16 13:43	208-96-8	
Anthracene	**<7.1**	ug/kg	23.5	7.1	1	11/11/16 09:04	11/14/16 13:43	120-12-7	
Benzo(a)anthracene	**<3.9**	ug/kg	13.1	3.9	1	11/11/16 09:04	11/14/16 13:43	56-55-3	
Benzo(a)pyrene	**<3.1**	ug/kg	10.4	3.1	1	11/11/16 09:04	11/14/16 13:43	50-32-8	
Benzo(b)fluoranthene	**<3.5**	ug/kg	11.7	3.5	1	11/11/16 09:04	11/14/16 13:43	205-99-2	
Benzo(g,h,i)perylene	**<2.5**	ug/kg	8.4	2.5	1	11/11/16 09:04	11/14/16 13:43	191-24-2	
Benzo(k)fluoranthene	**<3.1**	ug/kg	10.4	3.1	1	11/11/16 09:04	11/14/16 13:43	207-08-9	
Chrysene	**<4.2**	ug/kg	13.9	4.2	1	11/11/16 09:04	11/14/16 13:43	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	9.2	2.8	1	11/11/16 09:04	11/14/16 13:43	53-70-3	
Fluoranthene	**<6.5**	ug/kg	21.6	6.5	1	11/11/16 09:04	11/14/16 13:43	206-44-0	
Fluorene	**<5.1**	ug/kg	17.1	5.1	1	11/11/16 09:04	11/14/16 13:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.7**	ug/kg	9.1	2.7	1	11/11/16 09:04	11/14/16 13:43	193-39-5	
1-Methylnaphthalene	**<5.0**	ug/kg	16.6	5.0	1	11/11/16 09:04	11/14/16 13:43	90-12-0	
2-Methylnaphthalene	**<6.2**	ug/kg	20.7	6.2	1	11/11/16 09:04	11/14/16 13:43	91-57-6	
Naphthalene	**<10.4**	ug/kg	34.8	10.4	1	11/11/16 09:04	11/14/16 13:43	91-20-3	
Phenanthrene	**<14.4**	ug/kg	48.1	14.4	1	11/11/16 09:04	11/14/16 13:43	85-01-8	
Pyrene	**<5.6**	ug/kg	18.6	5.6	1	11/11/16 09:04	11/14/16 13:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	26-130		1	11/11/16 09:04	11/14/16 13:43	321-60-8	
Terphenyl-d14 (S)	69	%	10-130		1	11/11/16 09:04	11/14/16 13:43	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/11/16 09:00	11/11/16 23:09	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/11/16 09:00	11/11/16 23:09	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/11/16 09:00	11/11/16 23:09	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/11/16 09:00	11/11/16 23:09	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST S **Lab ID: 40141761006** Collected: 11/09/16 13:13 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/11/16 09:00	11/11/16 23:09	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/11/16 09:00	11/11/16 23:09	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/11/16 09:00	11/11/16 23:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	11/11/16 09:00	11/11/16 23:09	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	11/11/16 09:00	11/11/16 23:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST S **Lab ID: 40141761006** Collected: 11/09/16 13:13 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	101	%	48-138		1	11/11/16 09:00	11/11/16 23:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.3**	%	0.10	0.10	1		11/14/16 12:42		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST E **Lab ID: 40141761007** Collected: 11/09/16 13:18 Received: 11/10/16 10:10 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**9.6**	mg/kg	2.8	0.93	2	11/14/16 14:51	11/16/16 09:45	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.7**	ug/kg	15.6	4.7	1	11/11/16 09:04	11/14/16 14:35	83-32-9	
Acenaphthylene	**<4.0**	ug/kg	13.3	4.0	1	11/11/16 09:04	11/14/16 14:35	208-96-8	
Anthracene	**<6.9**	ug/kg	22.9	6.9	1	11/11/16 09:04	11/14/16 14:35	120-12-7	
Benzo(a)anthracene	**<3.8**	ug/kg	12.8	3.8	1	11/11/16 09:04	11/14/16 14:35	56-55-3	
Benzo(a)pyrene	**<3.0**	ug/kg	10.1	3.0	1	11/11/16 09:04	11/14/16 14:35	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	11.3	3.4	1	11/11/16 09:04	11/14/16 14:35	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	8.2	2.4	1	11/11/16 09:04	11/14/16 14:35	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	10.1	3.0	1	11/11/16 09:04	11/14/16 14:35	207-08-9	
Chrysene	**<4.1**	ug/kg	13.5	4.1	1	11/11/16 09:04	11/14/16 14:35	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	9.0	2.7	1	11/11/16 09:04	11/14/16 14:35	53-70-3	
Fluoranthene	**<6.3**	ug/kg	21.0	6.3	1	11/11/16 09:04	11/14/16 14:35	206-44-0	
Fluorene	**<5.0**	ug/kg	16.6	5.0	1	11/11/16 09:04	11/14/16 14:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.7**	ug/kg	8.8	2.7	1	11/11/16 09:04	11/14/16 14:35	193-39-5	
1-Methylnaphthalene	**<4.9**	ug/kg	16.2	4.9	1	11/11/16 09:04	11/14/16 14:35	90-12-0	
2-Methylnaphthalene	**<6.0**	ug/kg	20.1	6.0	1	11/11/16 09:04	11/14/16 14:35	91-57-6	
Naphthalene	**<10.2**	ug/kg	33.9	10.2	1	11/11/16 09:04	11/14/16 14:35	91-20-3	
Phenanthrene	**<14.0**	ug/kg	46.8	14.0	1	11/11/16 09:04	11/14/16 14:35	85-01-8	
Pyrene	**<5.4**	ug/kg	18.1	5.4	1	11/11/16 09:04	11/14/16 14:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	26-130		1	11/11/16 09:04	11/14/16 14:35	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		1	11/11/16 09:04	11/14/16 14:35	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/11/16 09:00	11/11/16 23:32	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/11/16 09:00	11/11/16 23:32	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/11/16 09:00	11/11/16 23:32	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/11/16 09:00	11/11/16 23:32	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST E **Lab ID: 40141761007** Collected: 11/09/16 13:18 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/11/16 09:00	11/11/16 23:32	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/11/16 09:00	11/11/16 23:32	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/11/16 09:00	11/11/16 23:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	53-165		1	11/11/16 09:00	11/11/16 23:32	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	11/11/16 09:00	11/11/16 23:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST E **Lab ID: 40141761007** Collected: 11/09/16 13:18 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	102	%	48-138		1	11/11/16 09:00	11/11/16 23:32	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		11/14/16 12:43		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST W **Lab ID: 40141761008** Collected: 11/09/16 13:21 Received: 11/10/16 10:10 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**13.6**	mg/kg	1.5	0.49	1	11/14/16 14:51	11/15/16 15:51	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.6**	ug/kg	15.4	4.6	1	11/11/16 09:04	11/14/16 14:52	83-32-9	
Acenaphthylene	**<3.9**	ug/kg	13.1	3.9	1	11/11/16 09:04	11/14/16 14:52	208-96-8	
Anthracene	**<6.8**	ug/kg	22.7	6.8	1	11/11/16 09:04	11/14/16 14:52	120-12-7	
Benzo(a)anthracene	**<3.8**	ug/kg	12.7	3.8	1	11/11/16 09:04	11/14/16 14:52	56-55-3	
Benzo(a)pyrene	**<3.0**	ug/kg	10.0	3.0	1	11/11/16 09:04	11/14/16 14:52	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	11.2	3.4	1	11/11/16 09:04	11/14/16 14:52	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	8.1	2.4	1	11/11/16 09:04	11/14/16 14:52	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	10	3.0	1	11/11/16 09:04	11/14/16 14:52	207-08-9	
Chrysene	**<4.0**	ug/kg	13.4	4.0	1	11/11/16 09:04	11/14/16 14:52	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	8.9	2.7	1	11/11/16 09:04	11/14/16 14:52	53-70-3	
Fluoranthene	**<6.2**	ug/kg	20.8	6.2	1	11/11/16 09:04	11/14/16 14:52	206-44-0	
Fluorene	**<4.9**	ug/kg	16.5	4.9	1	11/11/16 09:04	11/14/16 14:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.6**	ug/kg	8.8	2.6	1	11/11/16 09:04	11/14/16 14:52	193-39-5	
1-Methylnaphthalene	**<4.8**	ug/kg	16.0	4.8	1	11/11/16 09:04	11/14/16 14:52	90-12-0	
2-Methylnaphthalene	**<6.0**	ug/kg	20.0	6.0	1	11/11/16 09:04	11/14/16 14:52	91-57-6	
Naphthalene	**<10.1**	ug/kg	33.6	10.1	1	11/11/16 09:04	11/14/16 14:52	91-20-3	
Phenanthrene	**<13.9**	ug/kg	46.4	13.9	1	11/11/16 09:04	11/14/16 14:52	85-01-8	
Pyrene	**<5.4**	ug/kg	17.9	5.4	1	11/11/16 09:04	11/14/16 14:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	11/11/16 09:04	11/14/16 14:52	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	11/11/16 09:04	11/14/16 14:52	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/11/16 09:00	11/11/16 23:56	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/11/16 09:00	11/11/16 23:56	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/11/16 09:00	11/11/16 23:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/11/16 09:00	11/11/16 23:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST W **Lab ID: 40141761008** Collected: 11/09/16 13:21 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/11/16 09:00	11/11/16 23:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/11/16 09:00	11/11/16 23:56	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/11/16 09:00	11/11/16 23:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/11/16 09:00	11/11/16 23:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	53-165		1	11/11/16 09:00	11/11/16 23:56	1868-53-7	
Toluene-d8 (S)	116	%	54-163		1	11/11/16 09:00	11/11/16 23:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST W **Lab ID: 40141761008** Collected: 11/09/16 13:21 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	107	%	48-138		1	11/11/16 09:00	11/11/16 23:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.3**	%	0.10	0.10	1		11/14/16 12:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST BASE **Lab ID: 40141761009** Collected: 11/09/16 13:25 Received: 11/10/16 10:10 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.1**	mg/kg	1.3	0.45	1	11/14/16 14:51	11/15/16 15:53	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.3**	ug/kg	14.3	4.3	1	11/11/16 09:04	11/14/16 15:09	83-32-9	
Acenaphthylene	**<3.6**	ug/kg	12.2	3.6	1	11/11/16 09:04	11/14/16 15:09	208-96-8	
Anthracene	**<6.3**	ug/kg	21.0	6.3	1	11/11/16 09:04	11/14/16 15:09	120-12-7	
Benzo(a)anthracene	**<3.5**	ug/kg	11.7	3.5	1	11/11/16 09:04	11/14/16 15:09	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.3	2.8	1	11/11/16 09:04	11/14/16 15:09	50-32-8	
Benzo(b)fluoranthene	**<3.1**	ug/kg	10.4	3.1	1	11/11/16 09:04	11/14/16 15:09	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.5	2.2	1	11/11/16 09:04	11/14/16 15:09	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.2	2.8	1	11/11/16 09:04	11/14/16 15:09	207-08-9	
Chrysene	**<3.7**	ug/kg	12.4	3.7	1	11/11/16 09:04	11/14/16 15:09	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.2	2.5	1	11/11/16 09:04	11/14/16 15:09	53-70-3	
Fluoranthene	**<5.8**	ug/kg	19.2	5.8	1	11/11/16 09:04	11/14/16 15:09	206-44-0	
Fluorene	**<4.6**	ug/kg	15.3	4.6	1	11/11/16 09:04	11/14/16 15:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	8.1	2.4	1	11/11/16 09:04	11/14/16 15:09	193-39-5	
1-Methylnaphthalene	**<4.5**	ug/kg	14.8	4.5	1	11/11/16 09:04	11/14/16 15:09	90-12-0	
2-Methylnaphthalene	**<5.5**	ug/kg	18.5	5.5	1	11/11/16 09:04	11/14/16 15:09	91-57-6	
Naphthalene	**<9.3**	ug/kg	31.1	9.3	1	11/11/16 09:04	11/14/16 15:09	91-20-3	
Phenanthrene	**<12.9**	ug/kg	42.9	12.9	1	11/11/16 09:04	11/14/16 15:09	85-01-8	
Pyrene	**<5.0**	ug/kg	16.6	5.0	1	11/11/16 09:04	11/14/16 15:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	26-130		1	11/11/16 09:04	11/14/16 15:09	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	11/11/16 09:04	11/14/16 15:09	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/14/16 08:00	11/15/16 10:11	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/14/16 08:00	11/15/16 10:11	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/14/16 08:00	11/15/16 10:11	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/14/16 08:00	11/15/16 10:11	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST BASE **Lab ID: 40141761009** Collected: 11/09/16 13:25 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/14/16 08:00	11/15/16 10:11	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/14/16 08:00	11/15/16 10:11	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/14/16 08:00	11/15/16 10:11	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 10:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	53-165		1	11/14/16 08:00	11/15/16 10:11	1868-53-7	
Toluene-d8 (S)	116	%	54-163		1	11/14/16 08:00	11/15/16 10:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: WEST BASE **Lab ID: 40141761009** Collected: 11/09/16 13:25 Received: 11/10/16 10:10 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	108	%	48-138		1	11/14/16 08:00	11/15/16 10:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.6**	%	0.10	0.10	1		11/14/16 12:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: MEOH BLANK **Lab ID: 40141761010** Collected: 11/09/16 13:28 Received: 11/10/16 10:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/14/16 08:00	11/15/16 09:48	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/14/16 08:00	11/15/16 09:48	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/14/16 08:00	11/15/16 09:48	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/14/16 08:00	11/15/16 09:48	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/14/16 08:00	11/15/16 09:48	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Sample: MEOH BLANK **Lab ID: 40141761010** Collected: 11/09/16 13:28 Received: 11/10/16 10:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/14/16 08:00	11/15/16 09:48	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/14/16 08:00	11/15/16 09:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/14/16 08:00	11/15/16 09:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	53-165		1	11/14/16 08:00	11/15/16 09:48	1868-53-7	
Toluene-d8 (S)	104	%	54-163		1	11/14/16 08:00	11/15/16 09:48	2037-26-5	
4-Bromofluorobenzene (S)	100	%	48-138		1	11/14/16 08:00	11/15/16 09:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241258 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008, 40141761009

METHOD BLANK: 1430434 Matrix: Solid
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008, 40141761009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	11/15/16 15:15	

LABORATORY CONTROL SAMPLE: 1430435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.5	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430436 1430437

Parameter	Units	40141691001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1.7	53.1	53.1	49.2	51.7	89	94	75-125	5	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241085 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008

METHOD BLANK: 1428875 Matrix: Solid
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	11/11/16 08:45	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	11/11/16 08:45	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	11/11/16 08:45	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	11/11/16 08:45	
1,1-Dichloroethane	ug/kg	<17.6	50.0	11/11/16 08:45	
1,1-Dichloroethene	ug/kg	<17.6	50.0	11/11/16 08:45	
1,1-Dichloropropene	ug/kg	<14.0	50.0	11/11/16 08:45	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	11/11/16 08:45	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	11/11/16 08:45	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	11/11/16 08:45	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/11/16 08:45	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	11/11/16 08:45	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	11/11/16 08:45	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	11/11/16 08:45	
1,2-Dichloroethane	ug/kg	<15.0	50.0	11/11/16 08:45	
1,2-Dichloropropane	ug/kg	<16.8	50.0	11/11/16 08:45	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/11/16 08:45	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	11/11/16 08:45	
1,3-Dichloropropane	ug/kg	<12.0	50.0	11/11/16 08:45	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	11/11/16 08:45	
2,2-Dichloropropane	ug/kg	<12.6	50.0	11/11/16 08:45	
2-Chlorotoluene	ug/kg	<15.8	50.0	11/11/16 08:45	
4-Chlorotoluene	ug/kg	<13.0	50.0	11/11/16 08:45	
Benzene	ug/kg	<9.2	20.0	11/11/16 08:45	
Bromobenzene	ug/kg	<20.6	50.0	11/11/16 08:45	
Bromochloromethane	ug/kg	<21.4	50.0	11/11/16 08:45	
Bromodichloromethane	ug/kg	<9.8	50.0	11/11/16 08:45	
Bromoform	ug/kg	<19.8	50.0	11/11/16 08:45	
Bromomethane	ug/kg	<69.9	250	11/11/16 08:45	
Carbon tetrachloride	ug/kg	<12.1	50.0	11/11/16 08:45	
Chlorobenzene	ug/kg	<14.8	50.0	11/11/16 08:45	
Chloroethane	ug/kg	<67.0	250	11/11/16 08:45	
Chloroform	ug/kg	<46.4	250	11/11/16 08:45	
Chloromethane	ug/kg	<20.4	50.0	11/11/16 08:45	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	11/11/16 08:45	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	11/11/16 08:45	
Dibromochloromethane	ug/kg	<17.9	50.0	11/11/16 08:45	
Dibromomethane	ug/kg	<19.3	50.0	11/11/16 08:45	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	11/11/16 08:45	
Diisopropyl ether	ug/kg	<17.7	50.0	11/11/16 08:45	
Ethylbenzene	ug/kg	<12.4	50.0	11/11/16 08:45	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

METHOD BLANK: 1428875 Matrix: Solid
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	11/11/16 08:45	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	11/11/16 08:45	
m&p-Xylene	ug/kg	<34.4	100	11/11/16 08:45	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/11/16 08:45	
Methylene Chloride	ug/kg	<16.2	50.0	11/11/16 08:45	
n-Butylbenzene	ug/kg	<10.5	50.0	11/11/16 08:45	
n-Propylbenzene	ug/kg	<11.6	50.0	11/11/16 08:45	
Naphthalene	ug/kg	<40.0	250	11/11/16 08:45	
o-Xylene	ug/kg	<14.0	50.0	11/11/16 08:45	
p-Isopropyltoluene	ug/kg	<12.0	50.0	11/11/16 08:45	
sec-Butylbenzene	ug/kg	<11.9	50.0	11/11/16 08:45	
Styrene	ug/kg	<9.0	50.0	11/11/16 08:45	
tert-Butylbenzene	ug/kg	<9.5	50.0	11/11/16 08:45	
Tetrachloroethene	ug/kg	<12.9	50.0	11/11/16 08:45	
Toluene	ug/kg	<11.2	50.0	11/11/16 08:45	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	11/11/16 08:45	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	11/11/16 08:45	
Trichloroethene	ug/kg	<23.6	50.0	11/11/16 08:45	
Trichlorofluoromethane	ug/kg	<24.7	50.0	11/11/16 08:45	
Vinyl chloride	ug/kg	<21.1	50.0	11/11/16 08:45	
4-Bromofluorobenzene (S)	%	102	48-138	11/11/16 08:45	
Dibromofluoromethane (S)	%	109	53-165	11/11/16 08:45	
Toluene-d8 (S)	%	113	54-163	11/11/16 08:45	

LABORATORY CONTROL SAMPLE: 1428876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3020	121	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2920	117	70-130	
1,1-Dichloroethane	ug/kg	2500	2690	108	70-133	
1,1-Dichloroethene	ug/kg	2500	2250	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2580	103	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2490	100	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2690	108	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2710	108	70-130	
1,2-Dichloroethane	ug/kg	2500	2790	112	70-138	
1,2-Dichloropropane	ug/kg	2500	2870	115	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2540	102	70-130	
Benzene	ug/kg	2500	2840	114	70-130	
Bromodichloromethane	ug/kg	2500	2600	104	70-130	
Bromoform	ug/kg	2500	2140	85	68-130	
Bromomethane	ug/kg	2500	2920	117	25-163	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

LABORATORY CONTROL SAMPLE: 1428876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2490	99	70-130	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2640	106	34-151	
Chloroform	ug/kg	2500	2700	108	70-130	
Chloromethane	ug/kg	2500	2220	89	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2680	107	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2600	104	70-130	
Dibromochloromethane	ug/kg	2500	2330	93	70-130	
Dichlorodifluoromethane	ug/kg	2500	1670	67	27-150	
Ethylbenzene	ug/kg	2500	2700	108	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2690	107	70-130	
m&p-Xylene	ug/kg	5000	5520	110	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2750	110	70-130	
Methylene Chloride	ug/kg	2500	2690	108	70-131	
o-Xylene	ug/kg	2500	2760	110	70-130	
Styrene	ug/kg	2500	2520	101	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2840	113	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2420	97	70-130	
Trichloroethene	ug/kg	2500	2680	107	70-130	
Trichlorofluoromethane	ug/kg	2500	2310	92	50-150	
Vinyl chloride	ug/kg	2500	2570	103	57-130	
4-Bromofluorobenzene (S)	%			111	48-138	
Dibromofluoromethane (S)	%			116	53-165	
Toluene-d8 (S)	%			112	54-163	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241246 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40141761009, 40141761010

METHOD BLANK: 1430408 Matrix: Solid
Associated Lab Samples: 40141761009, 40141761010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	11/15/16 07:52	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	11/15/16 07:52	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	11/15/16 07:52	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	11/15/16 07:52	
1,1-Dichloroethane	ug/kg	<17.6	50.0	11/15/16 07:52	
1,1-Dichloroethene	ug/kg	<17.6	50.0	11/15/16 07:52	
1,1-Dichloropropene	ug/kg	<14.0	50.0	11/15/16 07:52	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	11/15/16 07:52	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	11/15/16 07:52	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	11/15/16 07:52	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/15/16 07:52	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	11/15/16 07:52	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	11/15/16 07:52	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	11/15/16 07:52	
1,2-Dichloroethane	ug/kg	<15.0	50.0	11/15/16 07:52	
1,2-Dichloropropane	ug/kg	<16.8	50.0	11/15/16 07:52	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/15/16 07:52	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	11/15/16 07:52	
1,3-Dichloropropane	ug/kg	<12.0	50.0	11/15/16 07:52	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	11/15/16 07:52	
2,2-Dichloropropane	ug/kg	<12.6	50.0	11/15/16 07:52	
2-Chlorotoluene	ug/kg	<15.8	50.0	11/15/16 07:52	
4-Chlorotoluene	ug/kg	<13.0	50.0	11/15/16 07:52	
Benzene	ug/kg	<9.2	20.0	11/15/16 07:52	
Bromobenzene	ug/kg	<20.6	50.0	11/15/16 07:52	
Bromochloromethane	ug/kg	<21.4	50.0	11/15/16 07:52	
Bromodichloromethane	ug/kg	<9.8	50.0	11/15/16 07:52	
Bromoform	ug/kg	<19.8	50.0	11/15/16 07:52	
Bromomethane	ug/kg	<69.9	250	11/15/16 07:52	
Carbon tetrachloride	ug/kg	<12.1	50.0	11/15/16 07:52	
Chlorobenzene	ug/kg	<14.8	50.0	11/15/16 07:52	
Chloroethane	ug/kg	<67.0	250	11/15/16 07:52	
Chloroform	ug/kg	<46.4	250	11/15/16 07:52	
Chloromethane	ug/kg	<20.4	50.0	11/15/16 07:52	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	11/15/16 07:52	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	11/15/16 07:52	
Dibromochloromethane	ug/kg	<17.9	50.0	11/15/16 07:52	
Dibromomethane	ug/kg	<19.3	50.0	11/15/16 07:52	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	11/15/16 07:52	
Diisopropyl ether	ug/kg	<17.7	50.0	11/15/16 07:52	
Ethylbenzene	ug/kg	<12.4	50.0	11/15/16 07:52	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

METHOD BLANK: 1430408 Matrix: Solid
Associated Lab Samples: 40141761009, 40141761010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	11/15/16 07:52	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	11/15/16 07:52	
m&p-Xylene	ug/kg	<34.4	100	11/15/16 07:52	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/15/16 07:52	
Methylene Chloride	ug/kg	<16.2	50.0	11/15/16 07:52	
n-Butylbenzene	ug/kg	13.9J	50.0	11/15/16 07:52	
n-Propylbenzene	ug/kg	<11.6	50.0	11/15/16 07:52	
Naphthalene	ug/kg	<40.0	250	11/15/16 07:52	
o-Xylene	ug/kg	<14.0	50.0	11/15/16 07:52	
p-Isopropyltoluene	ug/kg	<12.0	50.0	11/15/16 07:52	
sec-Butylbenzene	ug/kg	<11.9	50.0	11/15/16 07:52	
Styrene	ug/kg	<9.0	50.0	11/15/16 07:52	
tert-Butylbenzene	ug/kg	<9.5	50.0	11/15/16 07:52	
Tetrachloroethene	ug/kg	<12.9	50.0	11/15/16 07:52	
Toluene	ug/kg	<11.2	50.0	11/15/16 07:52	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	11/15/16 07:52	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	11/15/16 07:52	
Trichloroethene	ug/kg	<23.6	50.0	11/15/16 07:52	
Trichlorofluoromethane	ug/kg	<24.7	50.0	11/15/16 07:52	
Vinyl chloride	ug/kg	<21.1	50.0	11/15/16 07:52	
4-Bromofluorobenzene (S)	%	101	48-138	11/15/16 07:52	
Dibromofluoromethane (S)	%	113	53-165	11/15/16 07:52	
Toluene-d8 (S)	%	112	54-163	11/15/16 07:52	

LABORATORY CONTROL SAMPLE: 1430409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2590	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3050	122	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2890	115	70-130	
1,1-Dichloroethane	ug/kg	2500	2710	108	70-133	
1,1-Dichloroethene	ug/kg	2500	2380	95	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2490	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2420	97	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2670	107	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2680	107	70-130	
1,2-Dichloroethane	ug/kg	2500	2870	115	70-138	
1,2-Dichloropropane	ug/kg	2500	2790	111	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	100	70-130	
Benzene	ug/kg	2500	2850	114	70-130	
Bromodichloromethane	ug/kg	2500	2630	105	70-130	
Bromoform	ug/kg	2500	2190	87	68-130	
Bromomethane	ug/kg	2500	2740	110	25-163	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

LABORATORY CONTROL SAMPLE: 1430409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2550	102	70-130	
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	2370	95	34-151	
Chloroform	ug/kg	2500	2720	109	70-130	
Chloromethane	ug/kg	2500	2090	84	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2640	105	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2590	104	70-130	
Dibromochloromethane	ug/kg	2500	2390	96	70-130	
Dichlorodifluoromethane	ug/kg	2500	1490	60	27-150	
Ethylbenzene	ug/kg	2500	2640	106	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2620	105	70-130	
m&p-Xylene	ug/kg	5000	5500	110	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2820	113	70-130	
Methylene Chloride	ug/kg	2500	2700	108	70-131	
o-Xylene	ug/kg	2500	2650	106	70-130	
Styrene	ug/kg	2500	2510	100	70-130	
Tetrachloroethene	ug/kg	2500	2440	98	70-130	
Toluene	ug/kg	2500	2790	112	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2570	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2360	95	70-130	
Trichloroethene	ug/kg	2500	2630	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2270	91	50-150	
Vinyl chloride	ug/kg	2500	2340	94	57-130	
4-Bromofluorobenzene (S)	%			107	48-138	
Dibromofluoromethane (S)	%			113	53-165	
Toluene-d8 (S)	%			109	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430410 1430411

Parameter	Units	40141761009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1380	1380	1340	1280	97	93	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1380	1380	1570	1730	114	125	70-130	10	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1380	1380	1520	1610	110	116	70-130	5	20	
1,1-Dichloroethane	ug/kg	<25.0	1380	1380	1450	1400	105	101	64-133	3	20	
1,1-Dichloroethene	ug/kg	<25.0	1380	1380	1070	1050	78	76	56-130	2	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1380	1380	1460	1450	106	105	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1380	1380	1470	1520	106	110	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1380	1380	1490	1510	108	109	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1380	1380	1510	1550	109	112	70-130	2	20	
1,2-Dichloroethane	ug/kg	<25.0	1380	1380	1550	1510	112	110	70-138	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1380	1380	1530	1500	111	108	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1380	1380	1420	1460	103	106	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1380	1380	1420	1490	102	108	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430410 1430411

Parameter	Units	40141761009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1380	1380	1530	1520	111	110	70-130	1	20	
Bromodichloromethane	ug/kg	<25.0	1380	1380	1360	1330	98	96	70-130	2	20	
Bromoform	ug/kg	<25.0	1380	1380	1170	1240	85	90	65-130	6	20	
Bromomethane	ug/kg	<69.9	1380	1380	1310	1250	95	90	11-163	5	21	
Carbon tetrachloride	ug/kg	<25.0	1380	1380	1240	1200	90	87	70-130	4	20	
Chlorobenzene	ug/kg	<25.0	1380	1380	1440	1420	104	102	70-130	2	20	
Chloroethane	ug/kg	<67.0	1380	1380	1300	1230	94	89	17-151	5	20	
Chloroform	ug/kg	<46.4	1380	1380	1450	1460	105	106	70-130	1	20	
Chloromethane	ug/kg	<25.0	1380	1380	780	756	56	55	13-130	3	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1380	1380	1370	1370	99	99	70-130	0	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1380	1380	1350	1310	98	94	70-130	3	20	
Dibromochloromethane	ug/kg	<25.0	1380	1380	1320	1310	96	95	70-130	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	1380	1380	296	289	21	21	10-150	2	21	
Ethylbenzene	ug/kg	<25.0	1380	1380	1390	1380	101	100	70-130	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1380	1380	1350	1340	98	97	70-130	1	20	
m&p-Xylene	ug/kg	<50.0	2770	2770	2920	2860	106	103	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1380	1380	1490	1540	108	111	70-130	3	20	
Methylene Chloride	ug/kg	<25.0	1380	1380	1540	1400	111	102	70-131	9	20	
o-Xylene	ug/kg	<25.0	1380	1380	1380	1390	99	101	70-130	1	20	
Styrene	ug/kg	<25.0	1380	1380	1360	1360	98	98	70-130	0	20	
Tetrachloroethene	ug/kg	<25.0	1380	1380	1270	1240	92	90	70-130	2	20	
Toluene	ug/kg	<25.0	1380	1380	1490	1460	108	106	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1380	1380	1370	1300	99	94	70-130	6	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1380	1380	1300	1350	94	97	70-130	4	20	
Trichloroethene	ug/kg	<25.0	1380	1380	1370	1350	99	97	70-130	2	20	
Trichlorofluoromethane	ug/kg	<25.0	1380	1380	1010	981	73	71	40-150	3	31	
Vinyl chloride	ug/kg	<25.0	1380	1380	974	958	70	69	26-130	2	20	
4-Bromofluorobenzene (S)	%						115	101	48-138			
Dibromofluoromethane (S)	%						120	102	53-165			
Toluene-d8 (S)	%						117	102	54-163			

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241075 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40141761001, 40141761002, 40141761003, 40141761004

METHOD BLANK: 1428678 Matrix: Solid
Associated Lab Samples: 40141761001, 40141761002, 40141761003, 40141761004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	11/12/16 07:04	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	11/12/16 07:04	
Decachlorobiphenyl (S)	%	80	48-130	11/12/16 07:04	
Tetrachloro-m-xylene (S)	%	85	63-130	11/12/16 07:04	

LABORATORY CONTROL SAMPLE: 1428679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	377	75	55-130	
Decachlorobiphenyl (S)	%			78	48-130	
Tetrachloro-m-xylene (S)	%			83	63-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1428680 1428681

Parameter	Units	40141648001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<375			<375	<375					20	
PCB-1221 (Aroclor 1221)	ug/kg	<375			<375	<375					20	
PCB-1232 (Aroclor 1232)	ug/kg	<375			<375	<375					20	
PCB-1242 (Aroclor 1242)	ug/kg	<375			<375	<375					20	
PCB-1248 (Aroclor 1248)	ug/kg	6740			8630	7690				12	20	
PCB-1254 (Aroclor 1254)	ug/kg	<375			<375	<375					20	
PCB-1260 (Aroclor 1260)	ug/kg	<375	500	500	599J	563J	120	113	40-130		20	M6
Decachlorobiphenyl (S)	%						0	0	48-130			S4
Tetrachloro-m-xylene (S)	%						0	0	63-130			S4

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241038 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008, 40141761009

METHOD BLANK: 1428380 Matrix: Solid
Associated Lab Samples: 40141761005, 40141761006, 40141761007, 40141761008, 40141761009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/11/16 13:33	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/11/16 13:33	
Acenaphthene	ug/kg	<3.9	12.9	11/11/16 13:33	
Acenaphthylene	ug/kg	<3.3	11.0	11/11/16 13:33	
Anthracene	ug/kg	<5.7	19.0	11/11/16 13:33	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/11/16 13:33	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/11/16 13:33	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/11/16 13:33	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/11/16 13:33	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/11/16 13:33	
Chrysene	ug/kg	<3.4	11.2	11/11/16 13:33	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/11/16 13:33	
Fluoranthene	ug/kg	<5.2	17.4	11/11/16 13:33	
Fluorene	ug/kg	<4.1	13.8	11/11/16 13:33	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/11/16 13:33	
Naphthalene	ug/kg	<8.4	28.1	11/11/16 13:33	
Phenanthrene	ug/kg	<11.6	38.8	11/11/16 13:33	
Pyrene	ug/kg	<4.5	15.0	11/11/16 13:33	
2-Fluorobiphenyl (S)	%	65	26-130	11/11/16 13:33	
Terphenyl-d14 (S)	%	85	10-130	11/11/16 13:33	

LABORATORY CONTROL SAMPLE: 1428381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	229	69	48-130	
2-Methylnaphthalene	ug/kg	333	231	69	49-130	
Acenaphthene	ug/kg	333	218	66	54-130	
Acenaphthylene	ug/kg	333	214	64	56-130	
Anthracene	ug/kg	333	249	75	70-130	
Benzo(a)anthracene	ug/kg	333	243	73	58-130	
Benzo(a)pyrene	ug/kg	333	259	78	58-130	
Benzo(b)fluoranthene	ug/kg	333	265	79	50-130	
Benzo(g,h,i)perylene	ug/kg	333	285	86	39-130	
Benzo(k)fluoranthene	ug/kg	333	270	81	57-130	
Chrysene	ug/kg	333	246	74	64-130	
Dibenz(a,h)anthracene	ug/kg	333	295	89	44-130	
Fluoranthene	ug/kg	333	244	73	59-130	
Fluorene	ug/kg	333	215	65	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	293	88	45-130	
Naphthalene	ug/kg	333	242	72	46-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

LABORATORY CONTROL SAMPLE: 1428381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	239	72	56-130	
Pyrene	ug/kg	333	206	62	59-130	
2-Fluorobiphenyl (S)	%			69	26-130	
Terphenyl-d14 (S)	%			73	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1428382 1428383

Parameter	Units	40141761006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<5.0	413	413	284	276	69	67	41-130	3	24	
2-Methylnaphthalene	ug/kg	<6.2	413	413	282	273	68	66	42-130	3	25	
Acenaphthene	ug/kg	<4.8	413	413	253	247	61	60	49-130	3	27	
Acenaphthylene	ug/kg	<4.1	413	413	248	241	60	58	52-130	3	26	
Anthracene	ug/kg	<7.1	413	413	285	281	69	68	61-130	2	29	
Benzo(a)anthracene	ug/kg	<3.9	413	413	278	273	67	66	45-130	2	28	
Benzo(a)pyrene	ug/kg	<3.1	413	413	285	295	69	72	39-130	4	34	
Benzo(b)fluoranthene	ug/kg	<3.5	413	413	304	266	74	64	30-130	13	43	
Benzo(g,h,i)perylene	ug/kg	<2.5	413	413	307	270	74	65	24-130	13	34	
Benzo(k)fluoranthene	ug/kg	<3.1	413	413	305	288	74	70	41-130	6	32	
Chrysene	ug/kg	<4.2	413	413	284	286	69	69	46-130	1	37	
Dibenz(a,h)anthracene	ug/kg	<2.8	413	413	318	284	77	69	33-130	11	34	
Fluoranthene	ug/kg	<6.5	413	413	270	270	65	65	41-130	0	25	
Fluorene	ug/kg	<5.1	413	413	250	243	60	59	49-130	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.7	413	413	312	285	76	69	30-130	9	28	
Naphthalene	ug/kg	<10.4	413	413	282	273	68	66	39-130	3	26	
Phenanthrene	ug/kg	<14.4	413	413	270	265	65	64	47-130	2	26	
Pyrene	ug/kg	<5.6	413	413	240	235	58	57	37-130	2	30	
2-Fluorobiphenyl (S)	%						60	56	26-130			
Terphenyl-d14 (S)	%						67	63	10-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241226
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141761008, 40141761009

SAMPLE DUPLICATE: 1430376

Parameter	Units	40141771001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.0	20.5	3	10	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

QC Batch: 241233 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141761001, 40141761002, 40141761003, 40141761004, 40141761005, 40141761006, 40141761007

SAMPLE DUPLICATE: 1430383

Parameter	Units	40141771006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.3	18.4	10	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

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

M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141761

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141761001	**NW**	EPA 3541	241075	EPA 8082	241076
40141761002	**NE**	EPA 3541	241075	EPA 8082	241076
40141761003	**SW**	EPA 3541	241075	EPA 8082	241076
40141761004	**SE**	EPA 3541	241075	EPA 8082	241076
40141761005	**WEST N**	EPA 3050	241258	EPA 6010	241388
40141761006	**WEST S**	EPA 3050	241258	EPA 6010	241388
40141761007	**WEST E**	EPA 3050	241258	EPA 6010	241388
40141761008	**WEST W**	EPA 3050	241258	EPA 6010	241388
40141761009	**WEST BASE**	EPA 3050	241258	EPA 6010	241388
40141761005	**WEST N**	EPA 3546	241038	EPA 8270 by SIM	241065
40141761006	**WEST S**	EPA 3546	241038	EPA 8270 by SIM	241065
40141761007	**WEST E**	EPA 3546	241038	EPA 8270 by SIM	241065
40141761008	**WEST W**	EPA 3546	241038	EPA 8270 by SIM	241065
40141761009	**WEST BASE**	EPA 3546	241038	EPA 8270 by SIM	241065
40141761005	**WEST N**	EPA 5035/5030B	241085	EPA 8260	241101
40141761006	**WEST S**	EPA 5035/5030B	241085	EPA 8260	241101
40141761007	**WEST E**	EPA 5035/5030B	241085	EPA 8260	241101
40141761008	**WEST W**	EPA 5035/5030B	241085	EPA 8260	241101
40141761009	**WEST BASE**	EPA 5035/5030B	241246	EPA 8260	241250
40141761010	**MEOH BLANK**	EPA 5035/5030B	241246	EPA 8260	241250
40141761001	**NW**	ASTM D2974-87	241233		
40141761002	**NE**	ASTM D2974-87	241233		
40141761003	**SW**	ASTM D2974-87	241233		
40141761004	**SE**	ASTM D2974-87	241233		
40141761005	**WEST N**	ASTM D2974-87	241233		
40141761006	**WEST S**	ASTM D2974-87	241233		
40141761007	**WEST E**	ASTM D2974-87	241233		
40141761008	**WEST W**	ASTM D2974-87	241226		
40141761009	**WEST BASE**	ASTM D2974-87	241226		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40141761

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Terracon
Branch/Location:	Franklin, WI
Project Contact:	Blaine Schroeder/Paul Brake
Phone:	414-423-0255
Project Number:	58167857
Project Name:	~~Lot~~ Keller Property
Project State:	WI
Sampled By (Print):	PAC
Sampled By (Sign):	PAC
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PCBs, 4oz Amber	VOC's, 40ml vials VIG	PAHs, 4oz Amber glass Cool + dry wt	Lead + dry wt 4oz plastic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					—	A	F	A	A				
001	NW	11/9/16	1025	S			1					1-4ozAGJ	
002	NE		1027	S			1						
003	SW		1030	S			1						
004	SE		1033	S			1						
005	West N		1310	S				1	1	1	1-40mlVF	1-4ozAGJ	1-4ozPJ
006	West S		1313	S				1	1	1			
007	West E		1318	S				1	1	1			
008	West W		1321	S				1	1	1			
009	West Bank		1325	S				1	1	1			
010	MeOH blank	11/9/16	1328	S				1					

PAC

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: 5-day

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
PAC	11/9/16 1400 UPS CS Logistics		
CS Logistics	11/10/16 1010	PAGE	11/10/16 1010

PACE Project No.: 40141761

Receipt Temp = ROI °C

Sample Receipt pH ~~OK / Adjusted~~

Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

C019a(27Jun2006)

Version ~~6.0 06/14/06~~

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO# : 40141761**

40141761

Client Name: Terracon

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #: 3554. 110916

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: ROI /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 11/10/16
Initials: BH

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Amit for DM **Date:** 11/10/16

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 18, 2016

Blaine Schroyer
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Dear Blaine Schroyer:
Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 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

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

SAMPLE SUMMARY

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141822001	**EAST N**	Solid	11/10/16 12:10	11/11/16 09:45
40141822002	**EAST W**	Solid	11/10/16 12:12	11/11/16 09:45
40141822003	**EAST E**	Solid	11/10/16 12:15	11/11/16 09:45
40141822004	**EAST BASE**	Solid	11/10/16 12:20	11/11/16 09:45
40141822005	**MEOH BLANK**	Solid	11/10/16 12:22	11/11/16 09:45
40141822006	**EAST S**	Solid	11/10/16 12:35	11/11/16 09:45

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SAMPLE ANALYTE COUNT

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141822001	**EAST N**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAV	1	PASI-G
40141822002	**EAST W**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141822003	**EAST E**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141822004	**EAST BASE**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAV	1	PASI-G
40141822005	**MEOH BLANK**	EPA 8260	SMT	64	PASI-G
40141822006	**EAST S**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAV	1	PASI-G

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SUMMARY OF DETECTION

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141822001	**EAST N**					
EPA 6010	Lead	3.8	mg/kg	1.4	11/17/16 13:33	B
ASTM D2974-87	Percent Moisture	9.0	%	0.10	11/14/16 16:10	
40141822002	**EAST W**					
EPA 6010	Lead	2.5	mg/kg	1.4	11/17/16 13:35	B
EPA 8270 by SIM	Benzo(a)pyrene	4.0J	ug/kg	9.1	11/16/16 11:08	
EPA 8270 by SIM	Benzo(b)fluoranthene	7.0J	ug/kg	10.3	11/16/16 11:08	
EPA 8270 by SIM	Benzo(g,h,i)perylene	6.4J	ug/kg	7.4	11/16/16 11:08	
EPA 8270 by SIM	Benzo(k)fluoranthene	3.4J	ug/kg	9.1	11/16/16 11:08	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	4.7J	ug/kg	8.0	11/16/16 11:08	
ASTM D2974-87	Percent Moisture	8.5	%	0.10	11/14/16 16:41	
40141822003	**EAST E**					
EPA 6010	Lead	3.3	mg/kg	1.4	11/17/16 13:38	B
EPA 8270 by SIM	Benzo(a)anthracene	4.4J	ug/kg	11.7	11/16/16 11:25	
EPA 8270 by SIM	Benzo(a)pyrene	4.2J	ug/kg	9.3	11/16/16 11:25	
EPA 8270 by SIM	Benzo(b)fluoranthene	7.6J	ug/kg	10.4	11/16/16 11:25	
EPA 8270 by SIM	Benzo(g,h,i)perylene	5.5J	ug/kg	7.5	11/16/16 11:25	
EPA 8270 by SIM	Benzo(k)fluoranthene	3.6J	ug/kg	9.3	11/16/16 11:25	
EPA 8270 by SIM	Chrysene	5.8J	ug/kg	12.4	11/16/16 11:25	
EPA 8270 by SIM	Fluoranthene	8.4J	ug/kg	19.3	11/16/16 11:25	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	4.3J	ug/kg	8.1	11/16/16 11:25	
EPA 8270 by SIM	Pyrene	5.9J	ug/kg	16.6	11/16/16 11:25	
ASTM D2974-87	Percent Moisture	9.7	%	0.10	11/14/16 16:41	
40141822004	**EAST BASE**					
EPA 6010	Lead	3.3	mg/kg	1.4	11/17/16 13:40	B
EPA 8270 by SIM	Acenaphthene	65.5J	ug/kg	138	11/16/16 16:28	R1
EPA 8270 by SIM	Fluorene	147J	ug/kg	147	11/16/16 16:28	M1
EPA 8270 by SIM	1-Methylnaphthalene	542	ug/kg	143	11/16/16 16:28	M1, R1
EPA 8270 by SIM	2-Methylnaphthalene	658	ug/kg	178	11/16/16 16:28	M1, R1
EPA 8270 by SIM	Naphthalene	200J	ug/kg	300	11/16/16 16:28	D3
EPA 8270 by SIM	Phenanthrene	381J	ug/kg	414	11/16/16 16:28	M1, R1
EPA 8270 by SIM	Pyrene	237	ug/kg	160	11/16/16 16:28	
EPA 8260	n-Butylbenzene	270	ug/kg	64.0	11/16/16 16:15	
EPA 8260	sec-Butylbenzene	332	ug/kg	64.0	11/16/16 16:15	
EPA 8260	Ethylbenzene	41.2J	ug/kg	64.0	11/16/16 16:15	
EPA 8260	Isopropylbenzene (Cumene)	74.2	ug/kg	64.0	11/16/16 16:15	
EPA 8260	p-Isopropyltoluene	179	ug/kg	64.0	11/16/16 16:15	
EPA 8260	Naphthalene	383	ug/kg	267	11/16/16 16:15	
EPA 8260	n-Propylbenzene	131	ug/kg	64.0	11/16/16 16:15	
EPA 8260	1,2,4-Trimethylbenzene	381	ug/kg	64.0	11/16/16 16:15	
EPA 8260	1,3,5-Trimethylbenzene	97.0	ug/kg	64.0	11/16/16 16:15	
EPA 8260	m&p-Xylene	143	ug/kg	128	11/16/16 16:15	
EPA 8260	o-Xylene	33.2J	ug/kg	64.0	11/16/16 16:15	
ASTM D2974-87	Percent Moisture	6.2	%	0.10	11/14/16 16:10	
40141822006	**EAST S**					
EPA 6010	Lead	6.6	mg/kg	1.4	11/17/16 13:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40141822006	**EAST S**					
EPA 8270 by SIM	1-Methylnaphthalene	18.7	ug/kg	15.7	11/16/16 10:17	
EPA 8270 by SIM	2-Methylnaphthalene	26.5	ug/kg	19.6	11/16/16 10:17	
EPA 8270 by SIM	Naphthalene	50.0	ug/kg	32.9	11/16/16 10:17	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	11/14/16 16:10	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Terracon, Inc. - Franklin
Date: November 18, 2016

General Information:
5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 241528

B: Analyte was detected in the associated method blank.
- BLANK for HBN 241528 [MPRP/147 (Lab ID: 1431741)
  - Lead

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon, Inc. - Franklin
Date: November 18, 2016

General Information:
5 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 241177

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40141822004

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

- MSD (Lab ID: 1430187)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthylene
  - Benzo(a)pyrene
  - Fluorene
  - Phenanthrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 1430187)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon, Inc. - Franklin
Date: November 18, 2016

QC Batch: 241177

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40141822004

R1: RPD value was outside control limits.

- 1-Methylnaphthalene
- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Benzo(a)pyrene
- Phenanthrene

Additional Comments:

Analyte Comments:

QC Batch: 241177

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- EAST BASE (Lab ID: 40141822004)
  - Naphthalene

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PROJECT NARRATIVE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: November 18, 2016

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST N **Lab ID: 40141822001** Collected: 11/10/16 12:10 Received: 11/11/16 09:45 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.8**	mg/kg	1.4	0.47	1	11/16/16 10:47	11/17/16 13:33	7439-92-1	B
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.3**	ug/kg	14.2	4.3	1	11/14/16 08:48	11/16/16 10:51	83-32-9	
Acenaphthylene	**<3.6**	ug/kg	12.1	3.6	1	11/14/16 08:48	11/16/16 10:51	208-96-8	
Anthracene	**<6.3**	ug/kg	20.9	6.3	1	11/14/16 08:48	11/16/16 10:51	120-12-7	
Benzo(a)anthracene	**<3.5**	ug/kg	11.6	3.5	1	11/14/16 08:48	11/16/16 10:51	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.2	2.8	1	11/14/16 08:48	11/16/16 10:51	50-32-8	
Benzo(b)fluoranthene	**<3.1**	ug/kg	10.3	3.1	1	11/14/16 08:48	11/16/16 10:51	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.4	2.2	1	11/14/16 08:48	11/16/16 10:51	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.2	2.8	1	11/14/16 08:48	11/16/16 10:51	207-08-9	
Chrysene	**<3.7**	ug/kg	12.3	3.7	1	11/14/16 08:48	11/16/16 10:51	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.2	2.5	1	11/14/16 08:48	11/16/16 10:51	53-70-3	
Fluoranthene	**<5.7**	ug/kg	19.1	5.7	1	11/14/16 08:48	11/16/16 10:51	206-44-0	
Fluorene	**<4.5**	ug/kg	15.2	4.5	1	11/14/16 08:48	11/16/16 10:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	8.1	2.4	1	11/14/16 08:48	11/16/16 10:51	193-39-5	
1-Methylnaphthalene	**<4.4**	ug/kg	14.7	4.4	1	11/14/16 08:48	11/16/16 10:51	90-12-0	
2-Methylnaphthalene	**<5.5**	ug/kg	18.3	5.5	1	11/14/16 08:48	11/16/16 10:51	91-57-6	
Naphthalene	**<9.3**	ug/kg	30.9	9.3	1	11/14/16 08:48	11/16/16 10:51	91-20-3	
Phenanthrene	**<12.8**	ug/kg	42.6	12.8	1	11/14/16 08:48	11/16/16 10:51	85-01-8	
Pyrene	**<5.0**	ug/kg	16.5	5.0	1	11/14/16 08:48	11/16/16 10:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	26-130		1	11/14/16 08:48	11/16/16 10:51	321-60-8	
Terphenyl-d14 (S)	71	%	10-130		1	11/14/16 08:48	11/16/16 10:51	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/16/16 15:29	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/16/16 15:29	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/16/16 15:29	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/16/16 15:29	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST N **Lab ID: 40141822001** Collected: 11/10/16 12:10 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/15/16 08:00	11/16/16 15:29	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/16/16 15:29	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/15/16 08:00	11/16/16 15:29	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	53-165		1	11/15/16 08:00	11/16/16 15:29	1868-53-7	
Toluene-d8 (S)	109	%	54-163		1	11/15/16 08:00	11/16/16 15:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST N **Lab ID: 40141822001** Collected: 11/10/16 12:10 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	101	%	48-138		1	11/15/16 08:00	11/16/16 15:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.0**	%	0.10	0.10	1		11/14/16 16:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST W **Lab ID: 40141822002** Collected: 11/10/16 12:12 Received: 11/11/16 09:45 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.5**	mg/kg	1.4	0.46	1	11/16/16 10:47	11/17/16 13:35	7439-92-1	B
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.2**	ug/kg	14.1	4.2	1	11/14/16 08:48	11/16/16 11:08	83-32-9	
Acenaphthylene	**<3.6**	ug/kg	12.0	3.6	1	11/14/16 08:48	11/16/16 11:08	208-96-8	
Anthracene	**<6.2**	ug/kg	20.8	6.2	1	11/14/16 08:48	11/16/16 11:08	120-12-7	
Benzo(a)anthracene	**<3.5**	ug/kg	11.6	3.5	1	11/14/16 08:48	11/16/16 11:08	56-55-3	
Benzo(a)pyrene	**4.0J**	ug/kg	9.1	2.7	1	11/14/16 08:48	11/16/16 11:08	50-32-8	
Benzo(b)fluoranthene	**7.0J**	ug/kg	10.3	3.1	1	11/14/16 08:48	11/16/16 11:08	205-99-2	
Benzo(g,h,i)perylene	**6.4J**	ug/kg	7.4	2.2	1	11/14/16 08:48	11/16/16 11:08	191-24-2	
Benzo(k)fluoranthene	**3.4J**	ug/kg	9.1	2.7	1	11/14/16 08:48	11/16/16 11:08	207-08-9	
Chrysene	**<3.7**	ug/kg	12.2	3.7	1	11/14/16 08:48	11/16/16 11:08	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	8.1	2.4	1	11/14/16 08:48	11/16/16 11:08	53-70-3	
Fluoranthene	**<5.7**	ug/kg	19.0	5.7	1	11/14/16 08:48	11/16/16 11:08	206-44-0	
Fluorene	**<4.5**	ug/kg	15.1	4.5	1	11/14/16 08:48	11/16/16 11:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**4.7J**	ug/kg	8.0	2.4	1	11/14/16 08:48	11/16/16 11:08	193-39-5	
1-Methylnaphthalene	**<4.4**	ug/kg	14.6	4.4	1	11/14/16 08:48	11/16/16 11:08	90-12-0	
2-Methylnaphthalene	**<5.5**	ug/kg	18.2	5.5	1	11/14/16 08:48	11/16/16 11:08	91-57-6	
Naphthalene	**<9.2**	ug/kg	30.7	9.2	1	11/14/16 08:48	11/16/16 11:08	91-20-3	
Phenanthrene	**<12.7**	ug/kg	42.4	12.7	1	11/14/16 08:48	11/16/16 11:08	85-01-8	
Pyrene	**<4.9**	ug/kg	16.4	4.9	1	11/14/16 08:48	11/16/16 11:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	26-130		1	11/14/16 08:48	11/16/16 11:08	321-60-8	
Terphenyl-d14 (S)	66	%	10-130		1	11/14/16 08:48	11/16/16 11:08	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/16/16 15:52	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/16/16 15:52	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/16/16 15:52	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/16/16 15:52	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST W **Lab ID: 40141822002** Collected: 11/10/16 12:12 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/15/16 08:00	11/16/16 15:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/16/16 15:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/15/16 08:00	11/16/16 15:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 15:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	53-165		1	11/15/16 08:00	11/16/16 15:52	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	11/15/16 08:00	11/16/16 15:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST W **Lab ID: 40141822002** Collected: 11/10/16 12:12 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	100	%	48-138		1	11/15/16 08:00	11/16/16 15:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		11/14/16 16:41		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST E **Lab ID: 40141822003** Collected: 11/10/16 12:15 Received: 11/11/16 09:45 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.3**	mg/kg	1.4	0.46	1	11/16/16 10:47	11/17/16 13:38	7439-92-1	B
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.3**	ug/kg	14.3	4.3	1	11/14/16 08:48	11/16/16 11:25	83-32-9	
Acenaphthylene	**<3.7**	ug/kg	12.2	3.7	1	11/14/16 08:48	11/16/16 11:25	208-96-8	
Anthracene	**<6.3**	ug/kg	21.1	6.3	1	11/14/16 08:48	11/16/16 11:25	120-12-7	
Benzo(a)anthracene	**4.4J**	ug/kg	11.7	3.5	1	11/14/16 08:48	11/16/16 11:25	56-55-3	
Benzo(a)pyrene	**4.2J**	ug/kg	9.3	2.8	1	11/14/16 08:48	11/16/16 11:25	50-32-8	
Benzo(b)fluoranthene	**7.6J**	ug/kg	10.4	3.1	1	11/14/16 08:48	11/16/16 11:25	205-99-2	
Benzo(g,h,i)perylene	**5.5J**	ug/kg	7.5	2.3	1	11/14/16 08:48	11/16/16 11:25	191-24-2	
Benzo(k)fluoranthene	**3.6J**	ug/kg	9.3	2.8	1	11/14/16 08:48	11/16/16 11:25	207-08-9	
Chrysene	**5.8J**	ug/kg	12.4	3.7	1	11/14/16 08:48	11/16/16 11:25	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.3	2.5	1	11/14/16 08:48	11/16/16 11:25	53-70-3	
Fluoranthene	**8.4J**	ug/kg	19.3	5.8	1	11/14/16 08:48	11/16/16 11:25	206-44-0	
Fluorene	**<4.6**	ug/kg	15.3	4.6	1	11/14/16 08:48	11/16/16 11:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**4.3J**	ug/kg	8.1	2.4	1	11/14/16 08:48	11/16/16 11:25	193-39-5	
1-Methylnaphthalene	**<4.5**	ug/kg	14.8	4.5	1	11/14/16 08:48	11/16/16 11:25	90-12-0	
2-Methylnaphthalene	**<5.5**	ug/kg	18.5	5.5	1	11/14/16 08:48	11/16/16 11:25	91-57-6	
Naphthalene	**<9.3**	ug/kg	31.1	9.3	1	11/14/16 08:48	11/16/16 11:25	91-20-3	
Phenanthrene	**<12.9**	ug/kg	43.0	12.9	1	11/14/16 08:48	11/16/16 11:25	85-01-8	
Pyrene	**5.9J**	ug/kg	16.6	5.0	1	11/14/16 08:48	11/16/16 11:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	26-130		1	11/14/16 08:48	11/16/16 11:25	321-60-8	
Terphenyl-d14 (S)	64	%	10-130		1	11/14/16 08:48	11/16/16 11:25	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/17/16 10:14	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/17/16 10:14	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/17/16 10:14	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/17/16 10:14	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST E **Lab ID: 40141822003** Collected: 11/10/16 12:15 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/15/16 08:00	11/17/16 10:14	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/17/16 10:14	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/15/16 08:00	11/17/16 10:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 10:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	53-165		1	11/15/16 08:00	11/17/16 10:14	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	11/15/16 08:00	11/17/16 10:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST E **Lab ID: 40141822003** Collected: 11/10/16 12:15 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	88	%	48-138		1	11/15/16 08:00	11/17/16 10:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.7**	%	0.10	0.10	1		11/14/16 16:41		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST BASE **Lab ID: 40141822004** Collected: 11/10/16 12:20 Received: 11/11/16 09:45 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.3**	mg/kg	1.4	0.45	1	11/16/16 10:47	11/17/16 13:40	7439-92-1	B
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**65.5J**	ug/kg	138	41.4	10	11/14/16 08:50	11/16/16 16:28	83-32-9	R1
Acenaphthylene	**<35.1**	ug/kg	117	35.1	10	11/14/16 08:50	11/16/16 16:28	208-96-8	M1,R1
Anthracene	**<60.9**	ug/kg	203	60.9	10	11/14/16 08:50	11/16/16 16:28	120-12-7	
Benzo(a)anthracene	**<33.8**	ug/kg	113	33.8	10	11/14/16 08:50	11/16/16 16:28	56-55-3	
Benzo(a)pyrene	**<26.8**	ug/kg	89.3	26.8	10	11/14/16 08:50	11/16/16 16:28	50-32-8	M1,R1
Benzo(b)fluoranthene	**<30.1**	ug/kg	100	30.1	10	11/14/16 08:50	11/16/16 16:28	205-99-2	
Benzo(g,h,i)perylene	**<21.7**	ug/kg	72.2	21.7	10	11/14/16 08:50	11/16/16 16:28	191-24-2	
Benzo(k)fluoranthene	**<26.8**	ug/kg	89.1	26.8	10	11/14/16 08:50	11/16/16 16:28	207-08-9	
Chrysene	**<36.0**	ug/kg	119	36.0	10	11/14/16 08:50	11/16/16 16:28	218-01-9	
Dibenz(a,h)anthracene	**<23.8**	ug/kg	79.4	23.8	10	11/14/16 08:50	11/16/16 16:28	53-70-3	
Fluoranthene	**<55.5**	ug/kg	186	55.5	10	11/14/16 08:50	11/16/16 16:28	206-44-0	
Fluorene	**147J**	ug/kg	147	44.1	10	11/14/16 08:50	11/16/16 16:28	86-73-7	M1
Indeno(1,2,3-cd)pyrene	**<23.4**	ug/kg	78.2	23.4	10	11/14/16 08:50	11/16/16 16:28	193-39-5	
1-Methylnaphthalene	**542**	ug/kg	143	42.9	10	11/14/16 08:50	11/16/16 16:28	90-12-0	M1,R1
2-Methylnaphthalene	**658**	ug/kg	178	53.3	10	11/14/16 08:50	11/16/16 16:28	91-57-6	M1,R1
Naphthalene	**200J**	ug/kg	300	89.8	10	11/14/16 08:50	11/16/16 16:28	91-20-3	D3
Phenanthrene	**381J**	ug/kg	414	124	10	11/14/16 08:50	11/16/16 16:28	85-01-8	M1,R1
Pyrene	**237**	ug/kg	160	48.1	10	11/14/16 08:50	11/16/16 16:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	45	%	26-130		10	11/14/16 08:50	11/16/16 16:28	321-60-8	
Terphenyl-d14 (S)	57	%	10-130		10	11/14/16 08:50	11/16/16 16:28	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/16/16 16:15	74-83-9	W
n-Butylbenzene	**270**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	104-51-8	
sec-Butylbenzene	**332**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	135-98-8	
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/16/16 16:15	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/16/16 16:15	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/16/16 16:15	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST BASE **Lab ID: 40141822004** Collected: 11/10/16 12:20 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	108-20-3	W
Ethylbenzene	**41.2J**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	87-68-3	W
Isopropylbenzene (Cumene)	**74.2**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	98-82-8	
p-Isopropyltoluene	**179**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	99-87-6	
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	1634-04-4	W
Naphthalene	**383**	ug/kg	267	42.7	1	11/15/16 08:00	11/16/16 16:15	91-20-3	
n-Propylbenzene	**131**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	103-65-1	
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/16/16 16:15	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	96-18-4	W
1,2,4-Trimethylbenzene	**381**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	95-63-6	
1,3,5-Trimethylbenzene	**97.0**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/16/16 16:15	75-01-4	W
m&p-Xylene	**143**	ug/kg	128	53.3	1	11/15/16 08:00	11/16/16 16:15	179601-23-1	
o-Xylene	**33.2J**	ug/kg	64.0	26.7	1	11/15/16 08:00	11/16/16 16:15	95-47-6	
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	11/15/16 08:00	11/16/16 16:15	1868-53-7	
Toluene-d8 (S)	107	%	54-163		1	11/15/16 08:00	11/16/16 16:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST BASE **Lab ID: 40141822004** Collected: 11/10/16 12:20 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	102	%	48-138		1	11/15/16 08:00	11/16/16 16:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.2**	%	0.10	0.10	1		11/14/16 16:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: MEOH BLANK **Lab ID: 40141822005** Collected: 11/10/16 12:22 Received: 11/11/16 09:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/17/16 09:50	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/17/16 09:50	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/17/16 09:50	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/17/16 09:50	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/15/16 08:00	11/17/16 09:50	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: MEOH BLANK **Lab ID: 40141822005** Collected: 11/10/16 12:22 Received: 11/11/16 09:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/17/16 09:50	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/15/16 08:00	11/17/16 09:50	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 09:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	11/15/16 08:00	11/17/16 09:50	1868-53-7	
Toluene-d8 (S)	97	%	54-163		1	11/15/16 08:00	11/17/16 09:50	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		1	11/15/16 08:00	11/17/16 09:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST S **Lab ID: 40141822006** Collected: 11/10/16 12:35 Received: 11/11/16 09:45 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
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**6.6**	mg/kg	1.4	0.48	1	11/16/16 10:47	11/17/16 13:42	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.5**	ug/kg	15.1	4.5	1	11/14/16 08:50	11/16/16 10:17	83-32-9	
Acenaphthylene	**<3.9**	ug/kg	12.9	3.9	1	11/14/16 08:50	11/16/16 10:17	208-96-8	
Anthracene	**<6.7**	ug/kg	22.2	6.7	1	11/14/16 08:50	11/16/16 10:17	120-12-7	
Benzo(a)anthracene	**<3.7**	ug/kg	12.4	3.7	1	11/14/16 08:50	11/16/16 10:17	56-55-3	
Benzo(a)pyrene	**<2.9**	ug/kg	9.8	2.9	1	11/14/16 08:50	11/16/16 10:17	50-32-8	
Benzo(b)fluoranthene	**<3.3**	ug/kg	11.0	3.3	1	11/14/16 08:50	11/16/16 10:17	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	7.9	2.4	1	11/14/16 08:50	11/16/16 10:17	191-24-2	
Benzo(k)fluoranthene	**<2.9**	ug/kg	9.8	2.9	1	11/14/16 08:50	11/16/16 10:17	207-08-9	
Chrysene	**<3.9**	ug/kg	13.1	3.9	1	11/14/16 08:50	11/16/16 10:17	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	8.7	2.6	1	11/14/16 08:50	11/16/16 10:17	53-70-3	
Fluoranthene	**<6.1**	ug/kg	20.4	6.1	1	11/14/16 08:50	11/16/16 10:17	206-44-0	
Fluorene	**<4.8**	ug/kg	16.2	4.8	1	11/14/16 08:50	11/16/16 10:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.6**	ug/kg	8.6	2.6	1	11/14/16 08:50	11/16/16 10:17	193-39-5	
1-Methylnaphthalene	**18.7**	ug/kg	15.7	4.7	1	11/14/16 08:50	11/16/16 10:17	90-12-0	
2-Methylnaphthalene	**26.5**	ug/kg	19.6	5.9	1	11/14/16 08:50	11/16/16 10:17	91-57-6	
Naphthalene	**50.0**	ug/kg	32.9	9.9	1	11/14/16 08:50	11/16/16 10:17	91-20-3	
Phenanthrene	**<13.6**	ug/kg	45.4	13.6	1	11/14/16 08:50	11/16/16 10:17	85-01-8	
Pyrene	**<5.3**	ug/kg	17.6	5.3	1	11/14/16 08:50	11/16/16 10:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	26-130		1	11/14/16 08:50	11/16/16 10:17	321-60-8	
Terphenyl-d14 (S)	67	%	10-130		1	11/14/16 08:50	11/16/16 10:17	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	11/15/16 08:00	11/17/16 15:38	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	11/15/16 08:00	11/17/16 15:38	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	11/15/16 08:00	11/17/16 15:38	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	11/15/16 08:00	11/17/16 15:38	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	106-93-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST S **Lab ID: 40141822006** Collected: 11/10/16 12:35 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/15/16 08:00	11/17/16 15:38	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	11/15/16 08:00	11/17/16 15:38	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/15/16 08:00	11/17/16 15:38	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/15/16 08:00	11/17/16 15:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	11/15/16 08:00	11/17/16 15:38	1868-53-7	
Toluene-d8 (S)	111	%	54-163		1	11/15/16 08:00	11/17/16 15:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Sample: EAST S **Lab ID: 40141822006** Collected: 11/10/16 12:35 Received: 11/11/16 09:45 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
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	102	%	48-138		1	11/15/16 08:00	11/17/16 15:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		11/14/16 16:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241528 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40141822001, 40141822002, 40141822003, 40141822004, 40141822006

METHOD BLANK: 1431741 Matrix: Solid
Associated Lab Samples: 40141822001, 40141822002, 40141822003, 40141822004, 40141822006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	0.43J	1.3	11/17/16 12:57	

LABORATORY CONTROL SAMPLE: 1431742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.2	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431743 1431744

Parameter	Units	40141787001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1.6	52	51.9	50.0	49.3	93	92	75-125	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241398 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40141822001, 40141822002, 40141822003, 40141822004, 40141822005, 40141822006

METHOD BLANK: 1431014 Matrix: Solid
Associated Lab Samples: 40141822001, 40141822002, 40141822003, 40141822004, 40141822005, 40141822006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	11/16/16 08:27	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	11/16/16 08:27	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	11/16/16 08:27	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	11/16/16 08:27	
1,1-Dichloroethane	ug/kg	<17.6	50.0	11/16/16 08:27	
1,1-Dichloroethene	ug/kg	<17.6	50.0	11/16/16 08:27	
1,1-Dichloropropene	ug/kg	<14.0	50.0	11/16/16 08:27	
1,2,3-Trichlorobenzene	ug/kg	26.4J	50.0	11/16/16 08:27	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	11/16/16 08:27	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	11/16/16 08:27	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/16/16 08:27	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	11/16/16 08:27	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	11/16/16 08:27	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	11/16/16 08:27	
1,2-Dichloroethane	ug/kg	<15.0	50.0	11/16/16 08:27	
1,2-Dichloropropane	ug/kg	<16.8	50.0	11/16/16 08:27	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/16/16 08:27	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	11/16/16 08:27	
1,3-Dichloropropane	ug/kg	<12.0	50.0	11/16/16 08:27	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	11/16/16 08:27	
2,2-Dichloropropane	ug/kg	<12.6	50.0	11/16/16 08:27	
2-Chlorotoluene	ug/kg	<15.8	50.0	11/16/16 08:27	
4-Chlorotoluene	ug/kg	<13.0	50.0	11/16/16 08:27	
Benzene	ug/kg	<9.2	20.0	11/16/16 08:27	
Bromobenzene	ug/kg	<20.6	50.0	11/16/16 08:27	
Bromochloromethane	ug/kg	<21.4	50.0	11/16/16 08:27	
Bromodichloromethane	ug/kg	<9.8	50.0	11/16/16 08:27	
Bromoform	ug/kg	<19.8	50.0	11/16/16 08:27	
Bromomethane	ug/kg	<69.9	250	11/16/16 08:27	
Carbon tetrachloride	ug/kg	<12.1	50.0	11/16/16 08:27	
Chlorobenzene	ug/kg	<14.8	50.0	11/16/16 08:27	
Chloroethane	ug/kg	<67.0	250	11/16/16 08:27	
Chloroform	ug/kg	<46.4	250	11/16/16 08:27	
Chloromethane	ug/kg	<20.4	50.0	11/16/16 08:27	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	11/16/16 08:27	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	11/16/16 08:27	
Dibromochloromethane	ug/kg	<17.9	50.0	11/16/16 08:27	
Dibromomethane	ug/kg	<19.3	50.0	11/16/16 08:27	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	11/16/16 08:27	
Diisopropyl ether	ug/kg	<17.7	50.0	11/16/16 08:27	
Ethylbenzene	ug/kg	<12.4	50.0	11/16/16 08:27	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

METHOD BLANK: 1431014 Matrix: Solid
Associated Lab Samples: 40141822001, 40141822002, 40141822003, 40141822004, 40141822005, 40141822006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	11/16/16 08:27	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	11/16/16 08:27	
m&p-Xylene	ug/kg	<34.4	100	11/16/16 08:27	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/16/16 08:27	
Methylene Chloride	ug/kg	<16.2	50.0	11/16/16 08:27	
n-Butylbenzene	ug/kg	15.2J	50.0	11/16/16 08:27	
n-Propylbenzene	ug/kg	<11.6	50.0	11/16/16 08:27	
Naphthalene	ug/kg	<40.0	250	11/16/16 08:27	
o-Xylene	ug/kg	<14.0	50.0	11/16/16 08:27	
p-Isopropyltoluene	ug/kg	<12.0	50.0	11/16/16 08:27	
sec-Butylbenzene	ug/kg	<11.9	50.0	11/16/16 08:27	
Styrene	ug/kg	<9.0	50.0	11/16/16 08:27	
tert-Butylbenzene	ug/kg	<9.5	50.0	11/16/16 08:27	
Tetrachloroethene	ug/kg	<12.9	50.0	11/16/16 08:27	
Toluene	ug/kg	<11.2	50.0	11/16/16 08:27	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	11/16/16 08:27	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	11/16/16 08:27	
Trichloroethene	ug/kg	<23.6	50.0	11/16/16 08:27	
Trichlorofluoromethane	ug/kg	<24.7	50.0	11/16/16 08:27	
Vinyl chloride	ug/kg	<21.1	50.0	11/16/16 08:27	
4-Bromofluorobenzene (S)	%	100	48-138	11/16/16 08:27	
Dibromofluoromethane (S)	%	114	53-165	11/16/16 08:27	
Toluene-d8 (S)	%	112	54-163	11/16/16 08:27	

LABORATORY CONTROL SAMPLE: 1431015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2580	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2990	119	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2890	115	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	70-133	
1,1-Dichloroethene	ug/kg	2500	2260	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2460	98	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2500	100	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2670	107	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2650	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2860	114	70-138	
1,2-Dichloropropane	ug/kg	2500	2880	115	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2540	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
Benzene	ug/kg	2500	2840	114	70-130	
Bromodichloromethane	ug/kg	2500	2590	104	70-130	
Bromoform	ug/kg	2500	2140	86	68-130	
Bromomethane	ug/kg	2500	2470	99	25-163	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

LABORATORY CONTROL SAMPLE: 1431015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2470	99	70-130	
Chlorobenzene	ug/kg	2500	2620	105	70-130	
Chloroethane	ug/kg	2500	2380	95	34-151	
Chloroform	ug/kg	2500	2700	108	70-130	
Chloromethane	ug/kg	2500	2040	82	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2660	106	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2540	102	70-130	
Dibromochloromethane	ug/kg	2500	2290	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1240	50	27-150	
Ethylbenzene	ug/kg	2500	2610	104	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2600	104	70-130	
m&p-Xylene	ug/kg	5000	5370	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2760	110	70-130	
Methylene Chloride	ug/kg	2500	2630	105	70-131	
o-Xylene	ug/kg	2500	2640	106	70-130	
Styrene	ug/kg	2500	2460	98	70-130	
Tetrachloroethene	ug/kg	2500	2390	96	70-130	
Toluene	ug/kg	2500	2810	113	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2300	92	70-130	
Trichloroethene	ug/kg	2500	2610	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2070	83	50-150	
Vinyl chloride	ug/kg	2500	2260	91	57-130	
4-Bromofluorobenzene (S)	%			104	48-138	
Dibromofluoromethane (S)	%			109	53-165	
Toluene-d8 (S)	%			106	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431016 1431017

Parameter	Units	40141822002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1370	1370	1270	1250	93	91	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1370	1370	1600	1650	117	121	70-130	3	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1370	1370	1580	1510	115	111	70-130	4	20	
1,1-Dichloroethane	ug/kg	<25.0	1370	1370	1380	1370	101	100	64-133	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1370	1370	1040	1050	76	77	56-130	0	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1370	1370	1390	1360	102	99	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1370	1370	1430	1430	105	105	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1370	1370	1440	1370	105	100	70-130	5	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1370	1370	1470	1470	107	108	70-130	0	20	
1,2-Dichloroethane	ug/kg	<25.0	1370	1370	1570	1480	115	109	70-138	5	20	
1,2-Dichloropropane	ug/kg	<25.0	1370	1370	1500	1520	110	111	70-130	1	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1370	1370	1380	1370	101	101	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1370	1370	1390	1370	102	100	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431016 1431017

Parameter	Units	40141822002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1370	1370	1490	1440	109	105	70-130	4	20	
Bromodichloromethane	ug/kg	<25.0	1370	1370	1330	1330	97	98	70-130	0	20	
Bromoform	ug/kg	<25.0	1370	1370	1180	1120	86	82	65-130	5	20	
Bromomethane	ug/kg	<69.9	1370	1370	1200	1270	88	93	11-163	5	21	
Carbon tetrachloride	ug/kg	<25.0	1370	1370	1240	1180	91	86	70-130	5	20	
Chlorobenzene	ug/kg	<25.0	1370	1370	1390	1370	101	101	70-130	1	20	
Chloroethane	ug/kg	<67.0	1370	1370	1200	1190	88	87	17-151	1	20	
Chloroform	ug/kg	<46.4	1370	1370	1480	1420	108	104	70-130	4	20	
Chloromethane	ug/kg	<25.0	1370	1370	739	728	54	53	13-130	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1460	1370	107	100	70-130	6	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1240	1250	91	91	70-130	1	20	
Dibromochloromethane	ug/kg	<25.0	1370	1370	1240	1240	91	91	70-130	0	20	
Dichlorodifluoromethane	ug/kg	<25.0	1370	1370	288	265	21	19	10-150	8	21	
Ethylbenzene	ug/kg	<25.0	1370	1370	1370	1290	101	94	70-130	6	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1370	1370	1310	1260	96	92	70-130	4	20	
m&p-Xylene	ug/kg	<50.0	2730	2730	2820	2660	103	98	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1370	1370	1500	1420	110	104	70-130	5	20	
Methylene Chloride	ug/kg	<25.0	1370	1370	1470	1420	108	104	70-131	4	20	
o-Xylene	ug/kg	<25.0	1370	1370	1310	1300	96	95	70-130	1	20	
Styrene	ug/kg	<25.0	1370	1370	1360	1290	100	94	70-130	6	20	
Tetrachloroethene	ug/kg	<25.0	1370	1370	1220	1190	89	87	70-130	2	20	
Toluene	ug/kg	<25.0	1370	1370	1460	1400	107	102	70-130	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1280	1290	94	95	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1270	1230	93	90	70-130	3	20	
Trichloroethene	ug/kg	<25.0	1370	1370	1350	1320	99	97	70-130	2	20	
Trichlorofluoromethane	ug/kg	<25.0	1370	1370	1020	940	74	69	40-150	8	31	
Vinyl chloride	ug/kg	<25.0	1370	1370	932	880	68	64	26-130	6	20	
4-Bromofluorobenzene (S)	%						110	104	48-138			
Dibromofluoromethane (S)	%						117	112	53-165			
Toluene-d8 (S)	%						111	108	54-163			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241176 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40141822001, 40141822002, 40141822003

METHOD BLANK: 1430180 Matrix: Solid
Associated Lab Samples: 40141822001, 40141822002, 40141822003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/14/16 16:52	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/14/16 16:52	
Acenaphthene	ug/kg	<3.9	12.9	11/14/16 16:52	
Acenaphthylene	ug/kg	<3.3	11.0	11/14/16 16:52	
Anthracene	ug/kg	<5.7	19.0	11/14/16 16:52	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/14/16 16:52	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/14/16 16:52	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/14/16 16:52	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/14/16 16:52	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/14/16 16:52	
Chrysene	ug/kg	<3.4	11.2	11/14/16 16:52	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/14/16 16:52	
Fluoranthene	ug/kg	<5.2	17.4	11/14/16 16:52	
Fluorene	ug/kg	<4.1	13.8	11/14/16 16:52	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/14/16 16:52	
Naphthalene	ug/kg	<8.4	28.1	11/14/16 16:52	
Phenanthrene	ug/kg	<11.6	38.8	11/14/16 16:52	
Pyrene	ug/kg	<4.5	15.0	11/14/16 16:52	
2-Fluorobiphenyl (S)	%	65	26-130	11/14/16 16:52	
Terphenyl-d14 (S)	%	76	10-130	11/14/16 16:52	

LABORATORY CONTROL SAMPLE: 1430181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	201	60	48-130	
2-Methylnaphthalene	ug/kg	333	193	58	49-130	
Acenaphthene	ug/kg	333	199	60	54-130	
Acenaphthylene	ug/kg	333	191	57	56-130	
Anthracene	ug/kg	333	251	75	70-130	
Benzo(a)anthracene	ug/kg	333	246	74	58-130	
Benzo(a)pyrene	ug/kg	333	253	76	58-130	
Benzo(b)fluoranthene	ug/kg	333	281	84	50-130	
Benzo(g,h,i)perylene	ug/kg	333	272	82	39-130	
Benzo(k)fluoranthene	ug/kg	333	281	84	57-130	
Chrysene	ug/kg	333	261	78	64-130	
Dibenz(a,h)anthracene	ug/kg	333	256	77	44-130	
Fluoranthene	ug/kg	333	247	74	59-130	
Fluorene	ug/kg	333	209	63	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	269	81	45-130	
Naphthalene	ug/kg	333	187	56	46-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

LABORATORY CONTROL SAMPLE: 1430181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	240	72	56-130	
Pyrene	ug/kg	333	215	65	59-130	
2-Fluorobiphenyl (S)	%			59	26-130	
Terphenyl-d14 (S)	%			76	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430182 1430183

Parameter	Units	40141813001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	5.8J	412	412	284	290	67	69	41-130	2	24	
2-Methylnaphthalene	ug/kg	<6.2	412	412	271	279	66	68	42-130	3	25	
Acenaphthene	ug/kg	<4.8	412	412	242	251	59	61	49-130	4	27	
Acenaphthylene	ug/kg	<4.1	412	412	234	246	57	60	52-130	5	26	
Anthracene	ug/kg	<7.1	412	412	270	288	65	70	61-130	6	29	
Benzo(a)anthracene	ug/kg	<3.9	412	412	256	273	62	66	45-130	6	28	
Benzo(a)pyrene	ug/kg	<3.1	412	412	272	275	66	67	39-130	1	34	
Benzo(b)fluoranthene	ug/kg	<3.5	412	412	273	254	66	62	30-130	7	43	
Benzo(g,h,i)perylene	ug/kg	<2.5	412	412	305	300	74	73	24-130	2	34	
Benzo(k)fluoranthene	ug/kg	<3.1	412	412	300	310	73	75	41-130	3	32	
Chrysene	ug/kg	<4.2	412	412	275	295	67	71	46-130	7	37	
Dibenz(a,h)anthracene	ug/kg	<2.8	412	412	316	312	76	76	33-130	1	34	
Fluoranthene	ug/kg	<6.5	412	412	264	280	64	68	41-130	6	25	
Fluorene	ug/kg	<5.1	412	412	241	253	58	61	49-130	5	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.7	412	412	309	309	75	75	30-130	0	28	
Naphthalene	ug/kg	<10.4	412	412	259	265	62	64	39-130	3	26	
Phenanthrene	ug/kg	<14.4	412	412	264	278	64	67	47-130	5	26	
Pyrene	ug/kg	<5.6	412	412	228	236	55	57	37-130	3	30	
2-Fluorobiphenyl (S)	%						59	56	26-130			
Terphenyl-d14 (S)	%						65	63	10-130			

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241177 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40141822004, 40141822006

METHOD BLANK: 1430184 Matrix: Solid
Associated Lab Samples: 40141822004, 40141822006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	11/14/16 17:27	
2-Methylnaphthalene	ug/kg	<5.0	16.7	11/14/16 17:27	
Acenaphthene	ug/kg	<3.9	12.9	11/14/16 17:27	
Acenaphthylene	ug/kg	<3.3	11.0	11/14/16 17:27	
Anthracene	ug/kg	<5.7	19.0	11/14/16 17:27	
Benzo(a)anthracene	ug/kg	<3.2	10.6	11/14/16 17:27	
Benzo(a)pyrene	ug/kg	<2.5	8.4	11/14/16 17:27	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	11/14/16 17:27	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	11/14/16 17:27	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	11/14/16 17:27	
Chrysene	ug/kg	<3.4	11.2	11/14/16 17:27	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	11/14/16 17:27	
Fluoranthene	ug/kg	<5.2	17.4	11/14/16 17:27	
Fluorene	ug/kg	<4.1	13.8	11/14/16 17:27	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	11/14/16 17:27	
Naphthalene	ug/kg	<8.4	28.1	11/14/16 17:27	
Phenanthrene	ug/kg	<11.6	38.8	11/14/16 17:27	
Pyrene	ug/kg	<4.5	15.0	11/14/16 17:27	
2-Fluorobiphenyl (S)	%	73	26-130	11/14/16 17:27	
Terphenyl-d14 (S)	%	91	10-130	11/14/16 17:27	

LABORATORY CONTROL SAMPLE: 1430185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	272	82	48-130	
2-Methylnaphthalene	ug/kg	333	271	81	49-130	
Acenaphthene	ug/kg	333	253	76	54-130	
Acenaphthylene	ug/kg	333	246	74	56-130	
Anthracene	ug/kg	333	306	92	70-130	
Benzo(a)anthracene	ug/kg	333	287	86	58-130	
Benzo(a)pyrene	ug/kg	333	347	104	58-130	
Benzo(b)fluoranthene	ug/kg	333	317	95	50-130	
Benzo(g,h,i)perylene	ug/kg	333	318	95	39-130	
Benzo(k)fluoranthene	ug/kg	333	351	105	57-130	
Chrysene	ug/kg	333	311	93	64-130	
Dibenz(a,h)anthracene	ug/kg	333	308	92	44-130	
Fluoranthene	ug/kg	333	293	88	59-130	
Fluorene	ug/kg	333	254	76	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	324	97	45-130	
Naphthalene	ug/kg	333	268	80	46-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

LABORATORY CONTROL SAMPLE: 1430185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	285	86	56-130	
Pyrene	ug/kg	333	254	76	59-130	
2-Fluorobiphenyl (S)	%			79	26-130	
Terphenyl-d14 (S)	%			93	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430186 1430187

Parameter	Units	40141822004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	542	355	355	829	559	81	5	41-130	39	24	M1,R1
2-Methylnaphthalene	ug/kg	658	355	355	1060	713	114	15	42-130	39	25	M1,R1
Acenaphthene	ug/kg	65.5J	355	355	352	266	81	56	49-130	28	27	R1
Acenaphthylene	ug/kg	<35.1	355	355	237	172	61	42	52-130	32	26	M1,R1
Anthracene	ug/kg	<60.9	355	355	343	279	82	64	61-130	20	29	
Benzo(a)anthracene	ug/kg	<33.8	355	355	233	185	60	46	45-130	23	28	
Benzo(a)pyrene	ug/kg	<26.8	355	355	154	108	43	31	39-130	35	34	M1,R1
Benzo(b)fluoranthene	ug/kg	<30.1	355	355	195	140	55	40	30-130	32	43	
Benzo(g,h,i)perylene	ug/kg	<21.7	355	355	228	166	64	47	24-130	31	34	
Benzo(k)fluoranthene	ug/kg	<26.8	355	355	271	201	76	57	41-130	30	32	
Chrysene	ug/kg	<36.0	355	355	319	254	82	64	46-130	23	37	
Dibenz(a,h)anthracene	ug/kg	<23.8	355	355	201	149	56	42	33-130	29	34	
Fluoranthene	ug/kg	<55.5	355	355	259	203	64	48	41-130	24	25	
Fluorene	ug/kg	147J	355	355	402	305	72	44	49-130	28	30	M1
Indeno(1,2,3-cd)pyrene	ug/kg	<23.4	355	355	199	150	56	42	30-130	28	28	
Naphthalene	ug/kg	200J	355	355	505	408	86	58	39-130	21	26	
Phenanthrene	ug/kg	381J	355	355	723	490	96	30	47-130	38	26	M1,R1
Pyrene	ug/kg	237	355	355	597	529	101	82	37-130	12	30	
2-Fluorobiphenyl (S)	%						60	44	26-130			
Terphenyl-d14 (S)	%						77	57	10-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241286 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141822001, 40141822004, 40141822006

SAMPLE DUPLICATE: 1430515

Parameter	Units	40141822004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.2	6.2	0	10	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

QC Batch: 241293 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141822002, 40141822003

SAMPLE DUPLICATE: 1430562

Parameter	Units	40141882001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	17.6	8	10	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALIFIERS

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

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.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58167157 KELLER PROPERTY
Pace Project No.: 40141822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141822001	**EAST N**	EPA 3050	241528	EPA 6010	241697
40141822002	**EAST W**	EPA 3050	241528	EPA 6010	241697
40141822003	**EAST E**	EPA 3050	241528	EPA 6010	241697
40141822004	**EAST BASE**	EPA 3050	241528	EPA 6010	241697
40141822006	**EAST S**	EPA 3050	241528	EPA 6010	241697
40141822001	**EAST N**	EPA 3546	241176	EPA 8270 by SIM	241262
40141822002	**EAST W**	EPA 3546	241176	EPA 8270 by SIM	241262
40141822003	**EAST E**	EPA 3546	241176	EPA 8270 by SIM	241262
40141822004	**EAST BASE**	EPA 3546	241177	EPA 8270 by SIM	241275
40141822006	**EAST S**	EPA 3546	241177	EPA 8270 by SIM	241275
40141822001	**EAST N**	EPA 5035/5030B	241398	EPA 8260	241402
40141822002	**EAST W**	EPA 5035/5030B	241398	EPA 8260	241402
40141822003	**EAST E**	EPA 5035/5030B	241398	EPA 8260	241402
40141822004	**EAST BASE**	EPA 5035/5030B	241398	EPA 8260	241402
40141822005	**MEOH BLANK**	EPA 5035/5030B	241398	EPA 8260	241402
40141822006	**EAST S**	EPA 5035/5030B	241398	EPA 8260	241402
40141822001	**EAST N**	ASTM D2974-87	241286		
40141822002	**EAST W**	ASTM D2974-87	241293		
40141822003	**EAST E**	ASTM D2974-87	241293		
40141822004	**EAST BASE**	ASTM D2974-87	241286		
40141822006	**EAST S**	ASTM D2974-87	241286		

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40141822

(Please Print Clearly)

Company Name:	Terracon
Branch/Location:	Franklin, WI
Project Contact:	Blaine Schroyer/Rul Leach
Phone:	414 423 0255
Project Number:	58167157
Project Name:	Keller Property
Project State:	WI
Sampled By (Print):	DR
Sampled By (Sign):	DR
PO #:	
Regulatory Program:	

*Preservation Codes: A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

Analyses Requested:

	VOC's MeOH glass vial	PAH's, 4oz amber glass	Arsenic + lead, 4oz plastic
FILTERED? (YES/NO) Y/N	–	–	–
PRESERVATION (CODE)* Pick Letter	F	A	A

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC's	PAH's	Arsenic + lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	East N	11/10/16	1210	S	1	1	1	1-40mlv F	1-4ozp A 1-4ozag A	
002	East W		1212	S	1	1	1	↓	↓	
003	East E		1215	S	1	1	1	↓	↓	
004	East Base		1220	S	1	1	1	↓	↓	
005	MeOH blank		1222	–	1			↓		
006	East S	11/10/16	1235	S	1	1	1	↓	↓	

DR

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: 5-day

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
DR	11/10/16 / 1300 (via CS logistics)		
CS Logistics	11/11/16 0945	Katie Sohram Pace	11/11/16 0945

PACE Project No. 40141822

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Condition Upon Receipt

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

Project # **WO# : 40141822**

40141822

Client Name: Terracon

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace ☑ Other CS Logistics

Tracking #: 307-111016

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: /Corr: R01 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

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

Person examining contents:
Date: 11/11/16
Initials: RSG

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☑No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☑Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 1230		

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

Project Manager Review: _____ **Date:** 11-11-16

F-GB-C-031-Rev.03 (9April2015) SCUR Form