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ENVIRONMENT

Mike Schmoller
Project Manager
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Rd
Fitchburg WI 53711

Subject:
Building Interior Polychlorinated Biphenyl Investigation Summary, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. Facility ID No. 113125320, BRRTS No. 02-13-001569

Date:
April 21, 2015

Contact:
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Our ref:
WI001368.0024

Dear Mr. Schmoller:

On behalf of Madison-Kipp Corporation (MKC), this letter provides a summary of the supplemental subsurface investigation, wipe sampling, and indoor air sampling activities for polychlorinated biphenyls (PCBs) conducted within the manufacturing portion of the MKC facility located at 201 Waubesa Street, Madison, Wisconsin (Site).

This letter provides a summary of the investigation activities completed, analytical results, and recommendations. A Natural Resources 712.09 submittal certification is included in Attachment A.

Background

A *Supplemental Building Interior Polychlorinated Biphenyl Work Plan Subsurface Investigation Summary* (SI Report) was submitted to the Wisconsin Department of Natural Resources (WDNR) and United States Environmental Protection Agency (U.S. EPA) on April 22, 2014, to provide details of the investigation completed from December 2013 through February 2014. On August 27, 2014, ARCADIS met with the WDNR and U.S. EPA to discuss the next steps for addressing the soils containing PCBs beneath the building. At this meeting, U.S. EPA requested the completion of indoor air and surface wipe sampling activities, a technical justification submittal for management of PCB contaminated soils beneath the building, and additional soil investigation activities for beneath the building.

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On October 22, 2014, a *Technical Justification – Polychlorinated Biphenyl (PCB)-Impacted Soils Beneath the Main Manufacturing Building* (Technical Justification) was submitted to the WDNR. The Technical Justification included the *Supplemental Work Plan for Polychlorinated Biphenyl Building Subsurface Investigation* (Subsurface Work Plan) as an attachment. On November 4, 2014, a *Work Plan for Polychlorinated Biphenyl Building Wipe Sampling* (Wipe Sampling Work Plan) was submitted to the WDNR and U.S. EPA for approval. The WDNR approved the Wipe Sampling Work Plan in electronic correspondence dated December 8, 2014.

On December 17, 2014, MKC met with the WDNR and U.S. EPA (via telephone) to discuss the Technical Justification (Subsurface Work Plan) and Wipe Sampling Work Plan submittals. During this meeting, U.S. EPA requested continuous soil sampling during the additional soil investigation, PCB homolog analysis for select soil sample locations, and installation and sampling of one monitoring well within the building as part of the Subsurface Work Plan. In addition, U.S. EPA requested preparation and submittal of a Quality Assurance Project Plan (QAPP) for the Wipe Sampling Work Plan. On December 18, 2014, ARCADIS, WDNR, and U.S. EPA participated in a conference call to discuss the proposed QAPP requirements.

Based on the December 17 and 18, 2014, communications, the Subsurface Work Plan was revised and submitted to the WDNR and U.S. EPA on January 22, 2015, and the *Quality Assurance Project Plan Building Interior Polychlorinated Biphenyl Wipe Sampling* (Wipe Sampling QAPP) was submitted to the WDNR and U.S. EPA on February 19, 2015. The Subsurface Work Plan was approved by WDNR in electronic correspondence dated January 23, 2015. The Wipe Sampling QAPP was approved by U.S. EPA in electronic correspondence dated February 25, 2015.

Investigation Activities

The following investigation activities were completed in accordance with the approved Subsurface Work Plan and Wipe Sampling QAPP. Details of these activities are presented below.

- March 2 through 5, 2015: Advanced six soil borings using a hand cart direct push rig, collected soil samples for laboratory analysis, and installed one monitoring well using a hollow-stem auger rig.

- March 4, 2015: Conducted wipe sampling activities.

- March 13, 2015: Collected a groundwater sample from the newly installed monitoring well for laboratory analysis.
- April 1, 2015: Conducted indoor air sampling activities.
- April 2, 2015: Conducted additional wipe sampling activities.

Health and Safety

Prior to beginning the investigations, the Site health and safety plan was updated to address the planned field activities. Utility marking arrangements were made through Digger's Hotline (the State of Wisconsin Public Utility clearance service), a private utility locater, and discussions with MKC.

Soil Boring Advancement

Advancement and sampling of the soil borings was initiated on March 2, 2015. The boring locations were selected based on historical analytical results and subsequent discussions with WDNR and U.S. EPA. The soil boring locations are presented on Figure 1.

From March 2 through 5, 2015, a total of six soil borings (B-196 through B-201) were completed adjacent to previous soil boring locations B-158, B-179, B-180, B-181, and north and south of B-182 in accordance with the approved Subsurface Work Plan. The soil borings were advanced using a direct-push hand-cart Geoprobe unit. Soil samples were collected by driving a steel sampling rod (sampler) with acetate liners to the desired sampling depth using the hydraulic ram and hammer on the Geoprobe rig. Once the sampler reached the desired depth, the sampler was opened by removing a stop pin in the sampler. The sampler was driven an additional 4 feet to push a soil sample into the sampler, preserving the sample in a 1.5-inch by 4-foot acetate liner inside the sampler. The acetate sleeves allowed for continuous collection of soil samples from each boring.

Companion sampling was completed at the soil boring locations by collecting two aliquots of soil from each sampling interval and placing each aliquot into a separate re-sealable plastic bag. One of the companion samples from each interval was used for field screening for the presence of total ionizable volatile organic compound vapors with a calibrated photoionization detector (PID). The screening samples were warmed and the headspace PID reading of the soil was taken by inserting the probe end of the PID into the plastic bag. Following field screening activities, the screened samples were

appropriately discarded; the unscreened companion samples were used for preparing samples for analytical testing.

An ARCADIS scientist was on Site to oversee the drilling activities and visually screen and describe the condition and properties of the soil. Soil descriptions and field screening PID results were recorded on Soil Boring Logs (WDNR Form 4400-122) in Attachment B. Borehole Abandonment Forms (WDNR Form 3300-005) are also included in Attachment B.

A total of six soil borings were advanced to depths ranging from 17.5 to 23.5 feet below ground surface (ft bgs). Below is a summary of the sampling plan.

- Soil borings were advanced to the water table or where refusal was encountered. Depths of refusal from subsurface obstructions and/or limitations of equipment were as follows: B-196 (18.5 ft bgs), B-197 (17.5 ft bgs), B-198 (23 ft bgs), B-199 (19 ft bgs), B-200 (23.5 ft bgs), B-201 (19 ft bgs). It is important to note that multiple attempts were made to advance the soil borings to the water table in each soil boring location. However, subsurface obstructions and/or limitations of equipment did not allow all borings to be advanced to the water table.

- Continuous soil sampling (one soil sample from each 3-foot interval) was conducted, per boring, from the ground surface to above the water table or where refusal was encountered.

- Soil samples were submitted for analysis based on PID screening and/or visual inspection.

- A total of two duplicate and two matrix spike/matrix spike duplicate samples were collected and analyzed in accordance with the Subsurface Work Plan.

- One soil sample from Soil Borings B-197 and B-199 was submitted for laboratory analysis of PCB homolog by U.S. EPA Method 680 in accordance with the Subsurface Work Plan. These samples were selected based on the highest detected PCB aroclor results.

- A total of 54 soil samples were collected and submitted to Environmental Chemistry Consulting Services, Inc. in Madison, Wisconsin, for analysis of PCB Aroclors by U.S. EPA Method 8082. A total of two soil samples were collected and submitted to Environmental Chemistry Consulting Services in Madison, Wisconsin, for analysis of PCB homolog by U.S. EPA Method 680.

Monitoring Well Installation and Sampling

The monitoring well location, adjacent to previous soil boring location B-152, was selected based on the December 17, 2014 meeting. The monitoring well location is presented on Figure 1.

A mini-hollow stem auger rig was used to advance the soil boring for collecting soil samples. Soil samples were collected using split-spoons from ground surface to the top of the water table. Companion sampling was completed by collecting two aliquots of soil from each sampling interval and placing each aliquot into a separate re-sealable plastic bag. One of the companion samples from each interval was used for field screening for the presence of total ionizable volatile organic compound vapors with a calibrated PID. The screening samples were warmed and the headspace PID reading of the soil was taken by inserting the probe end of the PID into the plastic bag. Following field screening activities, the screened samples were appropriately discarded; the unscreened companion samples were used for preparing samples for analytical testing.

An ARCADIS scientist was on Site to oversee the drilling activities and visually screen and describe the condition and properties of the soil. Soil descriptions and field screening PID results were recorded on Soil Boring Logs (WDNR Form 4400-122) and are included in Attachment B.

The soil boring was converted into a water table monitoring well. The monitoring well screen was installed at a depth of 27.7 to 37.7 ft bgs. The monitoring well consists of a single screen and was constructed and developed in accordance with NR 141 Wis. Adm. Code. A 10-foot, 0.010-inch, polyvinyl chloride screen and Schedule 40 polyvinyl chloride riser was used. The monitoring well was completed at the surface with a flush-mount well compartment set in concrete. The well construction form (WDNR Form 4400-113A) was completed and is included in Attachment C.

The goal of well development is to produce groundwater samples that are representative of the water quality in the target interval, and to minimize sediment, drill cuttings and drilling fluids in the samples. The monitoring well was developed by surging and pumping with a surge block. The well development form (WDNR Form 4400-113B) was completed and is included in Attachment C.

On March 13, 2015, one groundwater sample was collected and submitted to Environmental Chemistry Consulting Services in Madison, Wisconsin, for analysis of dissolved PCBs by U.S. EPA Method 8082 using low-flow sampling techniques. Field

parameters were recorded using a multi-parameter meter for pH, conductivity, dissolved oxygen, redox potential, and temperature.

Wipe Sampling

A 100- by 100-foot grid pattern was used for the manufacturing footprint of the MKC facility to facilitate wipe sampling activities. The wipe sample locations are presented on Figure 2.

On March 4, 2015, wipe samples were collected from various surfaces (wall, column, floor, machine-horizontal, and machine-vertical) throughout the manufacturing portion of the MKC facility. Sample locations within each pre-approved grid were determined in the field based on visual observations and accessibility.

Wall, column, and vertical machine wipe samples were collected from the approximate breathing/working-zone height of a worker. Samples were collected by taking an individual cotton gauze pad, placing it ¾ of the way into the 80/20 iso-octane/acetone solution, squeezing the excess solution off the gauze pad, placing the 10- by 10-centimeter template over the determined sample area, and wiping the sample area in a serpentine pattern both horizontally and vertically. The gauze pad was then folded and placed in a clean laboratory-supplied vial in accordance with the QAPP. A total of two duplicate samples were collected and analyzed in accordance with the Wipe Sampling QAPP. The wipe sampling log is provided in Attachment D. A total of 40 soil samples were collected and submitted to Environmental Chemistry Consulting Services, Inc. in Madison, Wisconsin, for analysis of PCB Aroclors by U.S. EPA Method 8082.

On April 2, 2015, wipe samples were collected from floor surfaces based on the March analytical results. Samples were collected using the methods described above. The wipe sampling log is provided in Attachment D. A total of six soil samples were collected and submitted to Environmental Chemistry Consulting Services, Inc. in Madison, Wisconsin, for analysis of PCB Aroclors by U.S. EPA Method 8082.

Indoor Air Sampling

Based on the results of the wipe sampling (presented below), indoor air sampling within the manufacturing building was initiated. A total of three indoor air locations were identified in the manufacturing building for sampling. The sample locations were collected within close proximity to the two wipe sample results above criteria

from March 4, 2015, and within the middle of the manufacturing building along the center aisle. The indoor air sample locations are presented on Figure 2.

On April 1, 2015, three indoor air samples were collected for analysis of PCB Aroclors by EPA Method TO-10A. The indoor air samples were collected over an eight hour timeframe with low-volume air samplers and polyurethane foam sorbent cartridges.

After collection, the indoor air samples were packaged, placed in a cooler with ice, and submitted to Pace Analytical Services, Inc. in Schenectady, New York for PCB Aroclor analysis by Method TO-10A.

Surveying

A Wisconsin-licensed surveyor located the horizontal location of each boring to Wisconsin state plane coordinates and vertical elevation. Ground elevations were surveyed to an accuracy of +/-1 foot.

Investigative-Derived Waste

Soil cuttings generated during the investigation were containerized in appropriate steel 55-gallon drums for waste profiling and disposal off Site. Non-hazardous development, purge, and decontamination water was collected and disposed of with MKC facility wastewater.

Evaluation of Results and Recommendations

The following sections present a summary of the regulatory criteria, analytical results, and recommendations.

Regulatory Criteria

The WDNR Remediation and Redevelopment Program has prepared a spreadsheet with industrial direct contact residual contaminant levels (RCLs) for chemicals, calculated using the U.S. EPA Regional Screening Table web calculator. The industrial RCLs for PCBs are summarized in Table 1.

Title 40 Code of Federal Regulations §761.61 provides cleanup and disposal options for PCB remediation waste. Soil PCB analytical results were compared to the bulk remediation waste cleanup level for high occupancy cleanup level of less than or equal

to 1 milligram per kilogram (mg/kg) and a Toxic Substance Control Act (TSCA) total PCB concentration of greater than or equal to 50 mg/kg to determine soil disposal options. These criteria are summarized in Table 1.

The analytical results of the groundwater sample were compared to the Natural Resources 140.10 Wis. Adm. Code Preventative Action Limits and Enforcement Standards. These criteria are summarized in Table 2.

The analytical results of the wipe samples were compared to the U.S. EPA *Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy* dated June 23, 1987, revised and clarified April 18, 1991. This criteria is summarized in Table 3.

The analytical results of the indoor air samples were compared to the National Institute of Occupational Safety and Health Recommended Exposure Limit for PCBs. This criteria is summarized in Table 4.

Soil Analytical Results

A total of six soil borings were advanced and sampled beneath the building floor with 54 soil samples collected and submitted for laboratory analysis of PCB Aroclors by Method 8082 and two soil samples collected and submitted for laboratory analysis of PCB homolog by Method 680. A summary of the soil analytical results is presented in Table 1 and copies of the laboratory analytical reports are provided in Attachment E. The soil boring locations are presented on Figure 1.

Based on the analytical results, 43 of the 54 samples contained PCBs above the industrial direct contact RCLs for Arcolor 1242 or Aroclor 1248 of 0.744 mg/kg, 42 of the 54 samples contained PCBs above the U.S. EPA high occupancy cleanup level of 1 mg/kg, and 36 of the 54 samples contained PCBs above the TSCA disposal limit of 50 mg/kg. These locations are presented on Figure 3.

The objective of the supplemental activities was to document the concentrations of PCBs beneath the main Site building as requested by the U.S. EPA. The highest PCB concentrations are located adjacent to the historical concrete trench located in the middle of the facility, running north to south. Figure 4 shows a cross-section with total detected PCBs in soil beneath the building along the historical trench location from north to south.

Additionally, the Subsurface Work Plan contained a provision for additional PCB laboratory analysis of select soil samples by PCB homolog Method 680. The results of the homolog analysis were compared to the PCB laboratory analytical results obtained with Method 8082 for the same soil samples. In each case, the PCB homolog analytical results were lower than the PCB Aroclor results reported by Method 8082. Thus, utilizing the PCB results by Method 8082 provides a conservative approach to the recommendations provided below. A summary of the PCB homolog analytical data for the two soil samples is presented in Table 1.

Groundwater Analytical Results

One groundwater sample was collected and submitted for analysis of dissolved PCBs by U.S. EPA Method 8082 on March 13, 2015. The groundwater results were not detected above the laboratory detection limits. A summary of the groundwater analytical results is presented in Table 2 and the laboratory report is provided in Attachment E.

Wipe Analytical Results

Results of the March 4, 2015, wipe samples were below the cleanup level in all 40 samples, with the exception of floor sample MKC-WIPE01-FLOOR and floor sample MKC-WIPE03-FLOOR. A summary of the wipe analytical results is presented in Table 3 and the laboratory report is provided in Attachment E. Floor sample MKC-WIPE01-FLOOR is located in the die Storage #2 area (Grid 1) and floor sample MKC-WIPE03-FLOOR is located along the base of the secondary containment structure for the 55-gallon steel drums (Grid 3) as shown on Figure 5.

Results of the April 2, 2015, wipe samples were below the cleanup level in all six samples, with the exception of floor sample MKC-WIPE03-FLOOR2 and floor sample MKC-WIPE05-FLOOR2. A summary of the wipe analytical results is presented in Table 3 and the laboratory report is provided in Attachment E. Floor sample MKC-WIPE03-FLOOR2 is located in the cardboard storage area (Grid 3) and floor sample MKC-WIPE05-FLOOR2 is located in the aisle way near the electrical panel (Grid 5) as shown on Figure 5.

Indoor Air Analytical Results

Results of the April 1, 2015, indoor air samples were below the criteria in all three samples. A summary of the indoor air analytical results is presented in Table 4 and the laboratory report is provided in Attachment E.

Recommendations

As shown on Figures 3 and 4, soil and groundwater PCBs have been delineated beneath the building. In general, the highest concentrations of total PCBs in soil are present along the historical trench at varying depths from 0 to 2 ft bgs up to approximately 23.5 ft bgs. This soil is present beneath 6 to 12 inches of concrete so there is no complete exposure pathway for direct contact. Therefore, no further soil activities will be completed.

In accordance with the Site groundwater monitoring program, Monitoring Well MW-28 will be sampled for dissolved PCBs on a semi-annual basis.

Based on the analytical results of the indoor air sampling activities, no additional indoor air sampling is warranted.

As shown on Figure 5, PCBs have been delineated along the floor of the manufacturing building based on the wipe sample results. There were no exceedances on the columns, walls, or equipment that were sampled. The following actions are recommended for the floor exceedances within the MKC manufacturing building:

- Installation of PCB markers to inform personnel that there are PCBs present that require special handling and disposal in accordance with 40 CFR 761. Inspection of PCB markers on a monthly basis to verify markers are intact, in good condition, and that information is visible.

- Implementation of PCB awareness program for MKC employees and contractors. The training session includes an overview of PCBs, the regulatory considerations surrounding their use, and the nature and extent of PCB concentrations detected at the Site. The training session will also cover the personal protective equipment and waste management standard operating procedures for MKC. Training sessions will be held for new employees and annual refresher training will be provided.

In cooperation with the WDNR and U.S. EPA, MKC will also evaluate the potential implementation of the following:

- Double wash/double rinse/double paint of select floor areas as shown on Figure 5 and in accordance with 40 CFR 761.30(p) for continued use of the area.

ARCADIS

Closing

If you have any questions regarding this letter, please contact us at (414) 276-7742.

Sincerely,

ARCADIS U.S., Inc.

Trenna Seilheimer
Project Scientist

Christopher D. Kubacki, PE
Senior Engineer

Jennine L. Trask, PE
Project Manager

Attachments:

Table 1 – Summary of Interior Building Soil Analytical Results
Table 2 – Summary of Interior Building Groundwater Analytical Results
Table 3 – Summary of Interior Building Wipe Analytical Results
Table 4 – Summary of Interior Building Indoor Air Analytical Results

Figure 1 – Interior Soil Boring and Monitoring Well Locations
Figure 2 – Interior Building Wipe and Indoor Air Sampling Locations
Figure 3 – Soil Locations Above TSCA Disposal Limit
Figure 4 – Interior Building Trench Cross Section with Soil Boring and Monitoring well Locations
Figure 5 – Wipe Locations Above U.S. EPA Spill Cleanup Policy and Floor Remediation Layout

Attachment A Submittal Certification
Attachment B Soil Boring Logs and Abandonment Forms

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Attachment C Well Construction and Well Development Form
Attachment D Wipe Sampling Log
Attachment E Laboratory Reports

Electronic Copies:
David Crass – Michael Best
Tony Koblinski – Madison Kipp
Alina Satkoski – Madison Kipp
Kenneth Zolnierczyk – U.S. EPA

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring Number	Industrial	EPA High	TSCA	SB-196					
Sample I.D.	Direct	Occupancy	Disposal	SB-196 (1-2)	SB-196 (5-6)	SB-196 (8-9)	SB-196 (9-10)	SB-196 (12-13)	SB-196 (16.3-17.3)
Sample Date	Contact	Cleanup	Limits	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	1-2	5-6	8-9	9-10	12-13	16.3-17.3
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<0.79 D	<18 D	<39 D	<7.7 D	<7.9 D	<16 D
Aroclor 1221	0.589	--	--	<0.44 D	<9.8 D	<22 D	<4.3 D	<4.4 D	<8.7 D
Aroclor 1232	0.589	--	--	<0.30 D	<6.7 D	<15 D	<2.9 D	<3.0 D	<5.9 D
Aroclor 1242	0.744	--	--	**86 D**	**2,500 D**	**4,800 D**	**2,300 D**	**2,200 D**	**3,200 D**
Aroclor 1248	0.744	--	--	<0.56 D	<13 D	<28 D	<5.5 D	<5.7 D	<11 D
Aroclor 1254	0.744	--	--	<0.47 D	<10 D	<23 D	<4.6 D	<4.7 D	<9.3 D
Aroclor 1260	0.744	--	--	<0.26 D	<5.7 D	<13 D	<2.5 D	<2.6 D	<5.1 D
Total Aroclor PCBs	--	1	50	86 D	2,500 D	4,800 D	2,300 D	2,200 D	3,200 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-197					
Sample ID	Direct	Occupancy	Disposal	SB-197 (2-3)	SB-197 (5-6)	SB-197 (6-7)	SB-197 (9-10)	SB-197 (14-15)	SB-197 (16.5-17.5)
Sample Date	Contact	Cleanup	Limits	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/4/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	2-3	5-6	6-7	9-10	14-15	16.5-17.5
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<21	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	360	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	920	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	1100	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	190	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<43	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<64	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<64	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<85	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	<110	NA
Aroclor 1016	21.2	--	--	<0.090 D	<4.2 D	<3.8 D	<3.8 D	<16 D	<3.1 D
Aroclor 1221	0.589	--	--	<0.050 D	<2.4 D	<2.1 D	<2.1 D	<8.6 D	<1.7 D
Aroclor 1232	0.589	--	--	<0.034 D	<1.6 D	<1.4 D	<1.4 D	<5.9 D	<1.2 D
Aroclor 1242	0.744	--	--	**21 D**	**1,600 D**	**1,200 D**	**1,200 D**	**4,000 D**	**890 D**
Aroclor 1248	0.744	--	--	<0.064 D	<3.0 D	<2.7 D	<2.7 D	<11 D	<2.2 D
Aroclor 1254	0.744	--	--	<0.053 D	<2.5 D	<2.3 D	<2.3 D	<9.3 D	<1.8 D
Aroclor 1260	0.744	--	--	<0.029 D	<1.4 D	<1.2 D	<1.2 D	<5.1 D	<1.0 D
Total Aroclor PCBs	--	1	50	21 D	1,600 D	1,200 D	1,200 D	4,000 D	890 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
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J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-198					
Sample ID	Direct	Occupancy	Disposal	SB-198 (1-2)	DUP-1	SB-198 (4-5)	SB-198 (7-8)	SB-198 (9-10)	SB-198 (12-13)
Sample Date	Contact	Cleanup	Limits	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/3/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	1-2	1-2	4-5	7-8	9-10	12-13
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<8.8 D	<8.9 D	<4.5 D	<0.031 D	<0.077 D	<0.31 D
Aroclor 1221	0.589	--	--	<4.9 D	<4.9 D	<2.5 D	<0.017 D	<0.043 D	<0.17 D
Aroclor 1232	0.589	--	--	<3.3 D	<3.4 D	<1.7 D	<0.012 D	<0.029 D	<0.12 D
Aroclor 1242	0.744	--	--	**1,900 D**	**2,300 D**	**910 D**	**3.6 D**	**13 D**	**63 D**
Aroclor 1248	0.744	--	--	<6.3 D	<6.4 D	<3.2 D	<0.022 D	<0.055 D	<0.22 D
Aroclor 1254	0.744	--	--	<5.2 D	<5.3 D	<2.7 D	<0.018 D	<0.046 D	<0.18 D
Aroclor 1260	0.744	--	--	<2.9 D	<2.9 D	<1.5 D	<0.0099 D	<0.025 D	<0.10 D
Total Aroclor PCBs	--	1	50	1,900 D	2,300 D	910 D	3.6 D	13 D	63 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-198 (continued)				SB-199
Sample ID	Direct	Occupancy	Disposal	DUP-2	SB-198 (16-17)	SB-198 (20.4-21.4)	SB-198 (22-23)	SB-199 (1.2-2.2)
Sample Date	Contact	Cleanup	Limits	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/5/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	12-13	16-17	20.4-21.4	22-23	1.2-2.2
PCBs								
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<0.78 D	<0.81 D	<0.80 D	<0.0084	<18 D
Aroclor 1221	0.589	--	--	<0.43 D	<0.45 D	<0.44 D	<0.0047	<10 D
Aroclor 1232	0.589	--	--	<0.30 D	<0.31 D	<0.30 D	<0.0032	<6.8 D
Aroclor 1242	0.744	--	--	**150 D**	**220 D**	**220 D**	0.052 J	**4,500 D**
Aroclor 1248	0.744	--	--	<0.56 D	<0.58 D	<0.57 D	<0.0060	<13 D
Aroclor 1254	0.744	--	--	<0.46 D	<0.48 D	<0.47 D	<0.0050	<11 D
Aroclor 1260	0.744	--	--	<0.25 D	<0.26 D	<0.26 D	<0.0027	<5.8 D
Total Aroclor PCBs	--	1	50	150 D	220 D	220 D	0.052 J	4,500 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-199 (continued)					
Sample ID	Direct	Occupancy	Disposal	SB-199 (5-6)	SB-199 (6.3-7.3)	SB-199 (9.9-10.9)	SB-199 (12-13)	SB-199 (16-17)	SB-199 (17.7-18.7)
Sample Date	Contact	Cleanup	Limits	3/5/2015	3/5/2015	3/5/2015	3/5/2015	3/5/2015	3/5/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	5-6	6.3-7.3	9.9-10.9	12-13	16-17	17.7-18.7
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	<20	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	350	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	880	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	1200	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	210	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	<42	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	<62	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	<62	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	<83	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	<100	NA	NA	NA
Aroclor 1016	21.2	--	--	<8.9 D	<8.0 D	<16 D	<0.66 D	<1.6 D	<0.016 D
Aroclor 1221	0.589	--	--	<4.9 D	<4.4 D	<8.7 D	<0.36 D	<0.88 D	<0.0086 D
Aroclor 1232	0.589	--	--	<3.4 D	<3.0 D	<5.9 D	<0.25 D	<0.60 D	<0.0059 D
Aroclor 1242	0.744	--	--	**1,500 D**	**1,500 D**	**4,600 D**	**120 D**	**410 D**	**3.5 D**
Aroclor 1248	0.744	--	--	<6.4 D	<5.8 D	<11 D	<0.47 D	<1.1 D	<0.011 D
Aroclor 1254	0.744	--	--	<5.3 D	<4.8 D	<9.3 D	<0.39 D	<0.95 D	<0.0092 D
Aroclor 1260	0.744	--	--	<2.9 D	<2.6 D	<5.1 D	<0.21 D	<0.52 D	<0.0050 D
Total Aroclor PCBs	--	1	50	1,500 D	1,500 D	4,600 D	120 D	410 D	3.5 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-200					
Sample ID	Direct	Occupancy	Disposal	SB-200 (1-2)	SB-200 (5.2-6.2)	SB-200 (6.9-7.9)	SB-200 (10.8-11.8)	SB-200 (13-14)	SB-200 (16-17)
Sample Date	Contact	Cleanup	Limits	3/5/2015	3/5/2015	3/5/2015	3/5/2015	3/5/2015	3/5/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	1-2	5.2-6.2	6.9-7.9	10.8-11.8	13-14	16-17
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<1.8 D	<1.7 D	<3.1 D	<0.30 D	<7.7 D	<8.3 D
Aroclor 1221	0.589	--	--	<0.99 D	<0.93 D	<1.7 D	<0.17 D	<4.3 D	<4.6 D
Aroclor 1232	0.589	--	--	<0.67 D	<0.64 D	<1.2 D	<0.11 D	<2.9 D	<3.1 D
Aroclor 1242	0.744	--	--	<1.1 D	<1.0 D	**910 D**	**97 D**	**1,500 D**	**1,700 D**
Aroclor 1248	0.744	--	--	**210 D**	**200 D**	<2.2 D	<0.22 D	<5.5 D	<5.9 D
Aroclor 1254	0.744	--	--	<1.1 D	<1.0 D	<1.8 D	<0.18 D	<4.6 D	<4.9 D
Aroclor 1260	0.744	--	--	<0.58 D	<0.55 D	<1.0 D	<0.098 D	<2.5 D	<2.7 D
Total Aroclor PCBs	--	1	50	210 D	200 D	910 D	97 D	1,500 D	1,700 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-200 (continued)			SB-201	
Sample ID	Direct	Occupancy	Disposal	SB-200 (18-19)	DUP-3	SB-200 (22.5-23.5)	SB-201 (0.6-1.6)	SB-201 (5-6)
Sample Date	Contact	Cleanup	Limits	3/5/2015	3/5/2015	3/5/2015	3/3/2015	3/3/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	18-19	18-19	22.5-23.5	0.6-1.6	5-6
PCBs								
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<0.0078	<0.0078	<1.6 D	<0.0091	<0.35 D
Aroclor 1221	0.589	--	--	<0.0043	<0.0043	<0.87 D	<0.0051	<0.19 D
Aroclor 1232	0.589	--	--	<0.0029	<0.0030	<0.59 D	<0.0035	<0.13 D
Aroclor 1242	0.744	--	--	**1**	**1.7**	**360 D**	**1.2**	**68 D**
Aroclor 1248	0.744	--	--	<0.0056	<0.0056	<1.1 D	<0.0065	<0.25 D
Aroclor 1254	0.744	--	--	<0.0046	<0.0047	<0.93 D	<0.0054	<0.21 D
Aroclor 1260	0.744	--	--	<0.0025	<0.0025	<0.51 D	<0.0030	<0.11 D
Total Aroclor PCBs	--	1	50	1	1.7	360 D	1.2	68 D

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-201 (continued)				SB-202	
Sample ID	Direct	Occupancy	Disposal	SB-201 (6.8-7.8)	SB-201 (9-10)	SB-201 (12-13)	SB-201 (16-17)	SB-202 (1-2)	SB-202 (4-5)
Sample Date	Contact	Cleanup	Limits	3/3/2015	3/3/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	6.8-7.8	9-10	12-13	16-17	1-2	4-5
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<3.2 D	<3.0 D	<7.7 D	<8.3 D	<0.0088	<0.0093
Aroclor 1221	0.589	--	--	<1.8 D	<1.7 D	<4.3 D	<4.6 D	<0.0049	<0.0052
Aroclor 1232	0.589	--	--	<1.2 D	<1.1 D	<2.9 D	<3.1 D	<0.0033	<0.0035
Aroclor 1242	0.744	--	--	**720 D**	**890 D**	**1,300 D**	**2,900 D**	0.052 J	0.68
Aroclor 1248	0.744	--	--	<2.3 D	<2.2 D	<5.5 D	<5.9 D	<0.0063	<0.0067
Aroclor 1254	0.744	--	--	<1.9 D	<1.8 D	<4.6 D	<4.9 D	<0.0052	<0.0055
Aroclor 1260	0.744	--	--	<1.0 D	<0.98 D	<2.5 D	<2.7 D	<0.0029	<0.0030
Total Aroclor PCBs	--	1	50	720 D	890 D	1,300 D	2,900 D	0.052 J	0.68

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-202 (continued)					
Sample ID	Direct	Occupancy	Disposal	SB-202 (8-9)	SB-202 (10-10.6)	SB-202 (12-12.9)	SB-202 (16-17)	SB-202 (20-21)	SB-202 (22-23)
Sample Date	Contact	Cleanup	Limits	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	8-9	10-10.6	12-12.9	16-17	20-21	22-23
PCBs									
Monochlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	21.2	--	--	<0.0082	<0.0079	<0.0078	<0.0078	<0.0079	<0.0082
Aroclor 1221	0.589	--	--	<0.0045	<0.0044	<0.0043	<0.0043	<0.0044	<0.0045
Aroclor 1232	0.589	--	--	<0.0031	<0.0030	<0.0030	<0.0030	<0.0030	<0.0031
Aroclor 1242	0.744	--	--	0.011 J	0.025 J	<0.0046	<0.0047	<0.0047	<0.0049
Aroclor 1248	0.744	--	--	<0.0059	<0.0056	<0.0056	<0.0056	<0.0057	<0.0058
Aroclor 1254	0.744	--	--	<0.0049	<0.0047	<0.0046	<0.0047	<0.0047	<0.0049
Aroclor 1260	0.744	--	--	<0.0027	<0.0026	<0.0025	<0.0025	<0.0026	<0.0026
Total Aroclor PCBs	--	1	50	0.011 J	0.025 J	<0.0078	<0.0078	<0.0079	<0.0082

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 1
Summary of Interior Building Soil Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring #	Industrial	EPA High	TSCA	SB-202 (continued)	
Sample ID	Direct	Occupancy	Disposal	SB-202 (24.4-25.4)	SB-202 (28-28.7)
Sample Date	Contact	Cleanup	Limits	3/4/2015	3/4/2015
Sample Depth (ft bgs)	RCL	Level	(Solids)	24.4-25.4	28-28.7
PCBs					
Monochlorobiphenyls, total	--	--	--	NA	NA
Dichlorobiphenyls, total	--	--	--	NA	NA
Trichlorobiphenyls, total	--	--	--	NA	NA
Tetrachlorobiphenyls, total	--	--	--	NA	NA
Pentachlorobiphenyls, total	--	--	--	NA	NA
Hexachlorobiphenyls, total	--	--	--	NA	NA
Heptahlorobiphenyls, total	--	--	--	NA	NA
Octachlorobiphenyls, total	--	--	--	NA	NA
Nonachlorobiphenyls, total	--	--	--	NA	NA
Decachlorobiphenyls, total	--	--	--	NA	NA
Aroclor 1016	21.2	--	--	<0.0080	<0.0080
Aroclor 1221	0.589	--	--	<0.0044	<0.0044
Aroclor 1232	0.589	--	--	<0.0030	<0.0030
Aroclor 1242	0.744	--	--	<0.0047	<0.0047
Aroclor 1248	0.744	--	--	<0.0057	<0.0057
Aroclor 1254	0.744	--	--	<0.0047	<0.0047
Aroclor 1260	0.744	--	--	<0.0026	<0.0026
Total Aroclor PCBs	--	1	50	<0.0080	<0.0080

General Note:
Constituent concentrations are reported as milligram per kilogram (mg/kg).

Acronyms and Abbreviations:
100 = Result exceeds Industrial Direct Contact RCL
100 = Result exceeds EPA High Occupancy Cleanup Level
100 = Result exceeds TSCA Disposal Limits (Solids)
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protectin Agency
J = Estimated result
NA = Not analyzed
PCBs = Polychlorinated Biphenyls
RCL = Residual Contaminant Level
TSCA = Toxic Substances Control Act

Table 2
Summary of Interior Building Groundwater Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Boring Number Sample I.D. Sample Date Sample Depth (ft bls)	NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SB-202/MW-28 MW-28 3/13/2015 27.7-37.7
Dissolved PCBs			
Aroclor 1016	0.003	0.03	<0.068
Aroclor 1221	0.003	0.03	<0.2
Aroclor 1232	0.003	0.03	<0.2
Aroclor 1242	0.003	0.03	<0.2
Aroclor 1248	0.003	0.03	<0.2
Aroclor 1254	0.003	0.03	<0.2
Aroclor 1260	0.003	0.03	<0.071

General Note:
Constituent concentrations are reported as milligram per liter (ug/L).

Acronyms and Abbreviations:
100 = Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit
100 = Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard
< = Constituent not detected above noted laboratory detection limit
bls = below land surface
ft = feet
PCBs = Polychlorinated Biphenyls

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid I.D.	EPA	Grid 1						Grid 2	
Sample I.D.	PCB Spill	MKC-WIPE01-COLUMN	MKC-WIPE01-FLOOR	MKC-WIPE01-FLOOR2	MKC-WIPE01-WALL	MKC-WIPE01-M1HORZ	MKC-WIPE01-M1VERT	MKC-WIPE02-COLUMN	MKC-WIPE02-FLOOR
Sample Date	Cleanup Policy	3/4/2015	3/4/2015	4/2/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
PCBs									
Aroclor 1016	--	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1221	--	<0.3	<0.3	<1	<0.3	<0.3	<0.3	<0.3	<0.3
Aroclor 1232	--	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1242	--	0.81	<0.15	<0.5	<0.15	<0.15	<0.15	0.65	<0.15
Aroclor 1248	--	<0.15	11	1.2	<0.15	1.3	<0.15	<0.15	6.3
Aroclor 1254	--	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1260	--	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15
Total Aroclor PCBs	10	0.81	**11**	1.2	ND	1.3	ND	0.65	6.3

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	EPA	Grid 2 (continued)		Grid 3				
Sample ID	PCB Spill	MKC-WIPE02-FLOOR2	MKC-WIPE02-WALL	MKC-WIPE03-COLUMN	MKC-WIPE03-FLOOR	MKC-WIPE03-FLOOR2	MKC-WIPE03-FLOOR3	MKC-WIPE03-FLOOR4
Sample Date	Cleanup Policy	4/2/2015	3/4/2015	3/4/2015	3/4/2015	4/2/2015	4/2/2015	4/2/2015
PCBs								
Aroclor 1016	--	<0.5	<0.15	<0.15	<1.5	<0.5	<0.5	<0.5
Aroclor 1221	--	<1	<0.3	<0.3	<3	<1	<1	<1
Aroclor 1232	--	<0.5	<0.15	<0.15	<1.5	<0.5	<0.5	<0.5
Aroclor 1242	--	<0.5	0.76	0.35	<1.5	<0.5	<0.5	<0.5
Aroclor 1248	--	3	<0.15	<0.15	120 D	13	6.9	6
Aroclor 1254	--	<0.5	<0.15	<0.15	<1.5	<0.5	<0.5	<0.5
Aroclor 1260	--	<0.5	<0.15	<0.15	<1.5	<0.5	<0.5	<0.5
Total Aroclor PCBs	10	3	0.76	0.35	**120 D**	**13**	6.9	6

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	EPA	Grid 3 (continued)						Grid 4	
Sample ID	PCB Spill	MKC-WIPE03-WALL	MKC-WIPE03-M2HORZ	MKC-WIPE03-M2VERT	MKC-WIPE03-DUP	MKC-WIPE03-M3HORZ	MKC-WIPE03-M3VERT	MKC-WIPE04-COLUMN	MKC-WIPE04-FLOOR
Sample Date	Cleanup Policy	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
PCBs									
Aroclor 1016	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1221	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Aroclor 1232	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1242	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1248	--	<0.15	<0.15	<0.15	<0.15	3.9	<0.15	<0.15	7.8
Aroclor 1254	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1260	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Total Aroclor PCBs	10	ND	ND	ND	ND	3.9	ND	ND	7.8

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	EPA	Grid 4 (continued)		Grid 5				Grid 6	
Sample ID	PCB Spill	MKC-WIPE04-DUP	MKC-WIPE04-WALL	MKC-WIPE05-COLUMN	MKC-WIPE05-FLOOR	MKC-WIPE05-FLOOR2	MKC-WIPE05-WALL	MKC-WIPE06-COLUMN	MKC-WIPE06-FLOOR
Sample Date	Cleanup Policy	3/4/2015	3/4/2015	3/4/2015	3/4/2015	4/2/2015	3/4/2015	3/4/2015	3/4/2015
PCBs									
Aroclor 1016	--	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15
Aroclor 1221	--	<0.3	<0.3	<0.3	<0.3	<1	<0.3	<0.3	<0.3
Aroclor 1232	--	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15
Aroclor 1242	--	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15
Aroclor 1248	--	4.4	<0.15	<0.15	3.7 HC	14	<0.15	<0.15	3.7 HC
Aroclor 1254	--	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15
Aroclor 1260	--	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15
Total Aroclor PCBs	10	4.4	ND	ND	3.7	**14**	ND	ND	3.7

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	EPA	Grid 6 (continued)			Grid 7			Grid 8	
Sample ID	PCB Spill	MKC-WIPE06-WALL	MKC-WIPE06-M21HORZ	MKC-WIPE06-M21VERT	MKC-WIPE07-COLUMN	MKC-WIPE07-FLOOR	MKC-WIPE07-WALL	MKC-WIPE08-COLUMN	MKC-WIPE08-FLOOR
Sample Date	Cleanup Policy	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
PCBs									
Aroclor 1016	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1221	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Aroclor 1232	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1242	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1248	--	<0.15	1.5 HC	<0.15	0.96	4.2 HC	<0.15	<0.15	4.8
Aroclor 1254	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1260	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Total Aroclor PCBs	10	ND	1.5	ND	0.96	4.2	ND	ND	4.8

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 3
Summary of Interior Building Wipe Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	EPA	Grid 8 (continued)	Grid 9			Grid 10		
Sample ID	PCB Spill	MKC-WIPE08-WALL	MKC-WIPE09-COLUMN	MKC-WIPE09-FLOOR	MKC-WIPE09-WALL	MKC-WIPE10-COLUMN	MKC-WIPE10-FLOOR	MKC-WIPE10-WALL
Sample Date	Cleanup Policy	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
PCBs								
Aroclor 1016	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1221	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Aroclor 1232	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1242	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1248	--	<0.15	<0.15	3.9 HC	0.33	<0.15	2.4	<0.15
Aroclor 1254	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Aroclor 1260	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Total Aroclor PCBs	10	ND	ND	3.9	0.33	ND	2.4	ND

General Note:
Only detected constituents are noted. Constituent concentrations are reported as microgram per wipe (µg/wipe).

Acronyms and Abbreviations:
100 = Result exceeds U.S. EPA's Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the U.S. EPA PCB Spill Cleanup Policy dated June 23, 1987, revised and clarified April 18, 1991.
< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
D = Data reported from a dilution
EPA = United States Environmental Protection Agency
HC = Result may be biased high due to high calibration verification
ND = Detected total PCBs were reported less than the laboratory detection limit

Table 4
Summary of Interior Building Indoor Air Analytical Results

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation
Madison, Wisconsin

Grid ID	NIOSH	Grid 3	Grid 1	Grid 7
Sample ID	REL	MKC-AIR01	MKC-AIR02	MKC-AIR03
Sample Date	TWA	4/1/2015	4/1/2015	4/1/2015
PCBs				
Aroclor 1016	--	<0.0417	<0.0417	<0.0417
Aroclor 1221	--	<0.0417	<0.0417	<0.0417
Aroclor 1232	--	<0.0417	<0.0417	<0.0417
Aroclor 1242	--	0.0553	0.0525	0.0841
Aroclor 1248	--	<0.0417	<0.0417	<0.0417
Aroclor 1254	--	<0.0417	<0.0417	<0.0417
Aroclor 1260	--	<0.0417	<0.0417	<0.0417
Total Aroclor PCBs	1	0.0553	0.0525	0.0841

General Note:

Constituent concentrations are reported as microgram per cubic meter (µg/m^3).

Acronyms and Abbreviations:

< = Constituent not detected above noted laboratory detection limit
-- = Criteria not established
NIOSH = National Institute for Occupational Safety and Health
REL = Recommended Exposure Limit
TWA = Time Weighted Average

LEGEND

- EXISTING SOIL BORING
- MONITORING WELL
- PLANT LAYOUT
- PARCELS
- BUILDING FOOTPRINTS

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

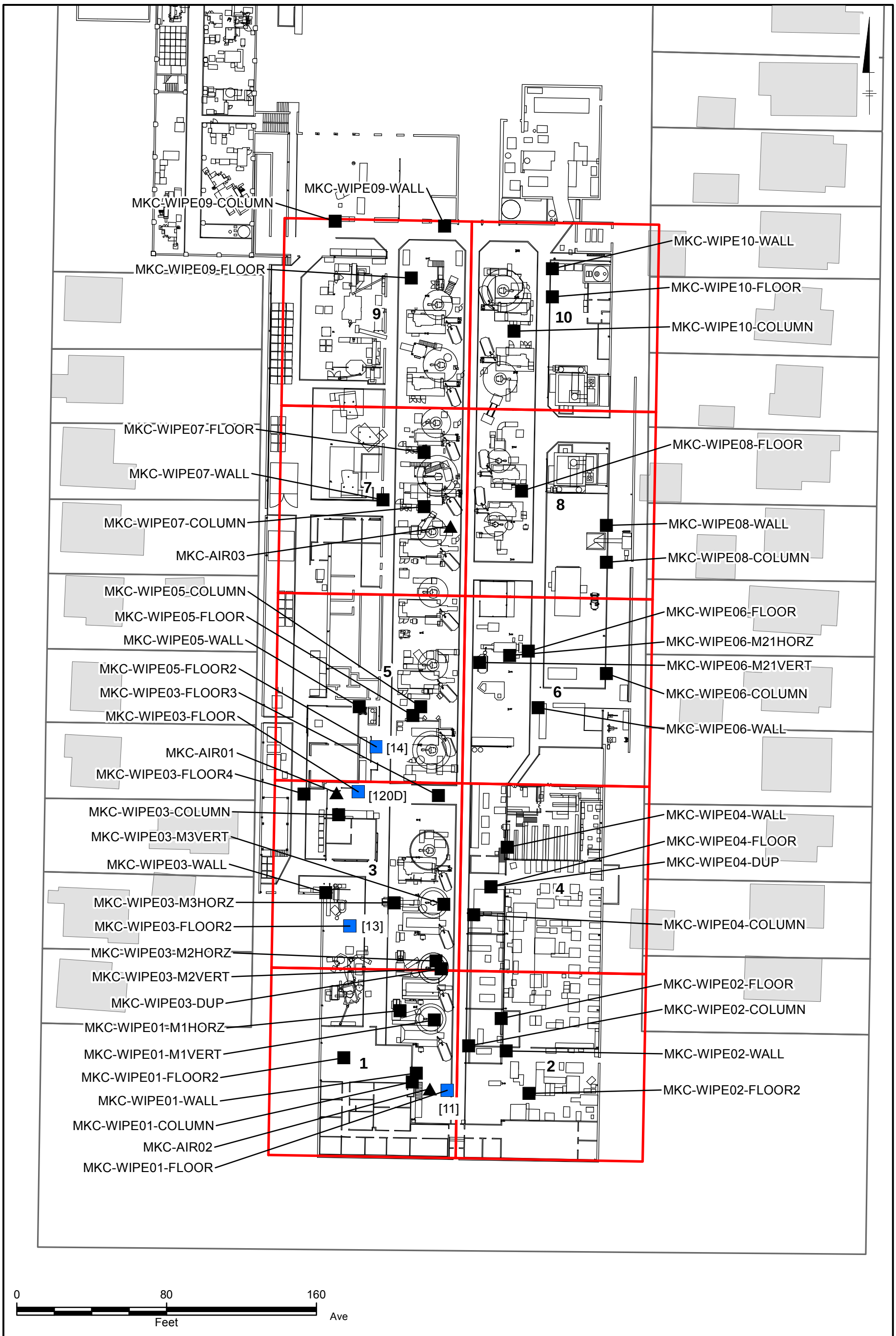
SUPPLEMENTAL INTERIOR BUILDING SUMMARY

INTERIOR SOIL BORING AND MONITORING WELL LOCATIONS

ARCADIS

FIGURE 1

CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
Z:\GISPROJECTS_ENV\MadisonKipp\ArcMap\2015-03\Interior_MWs_Borings_20150311.mxd



LEGEND

- ▲ INDOOR AMBIENT AIR SAMPLING LOCATION RESULTS BELOW CRITERIA (1 µg/M³)
- ■ WIPE SAMPLE LOCATION RESULTS ABOVE CRITERIA (10 µg/WIPE)
- ■ WIPE SAMPLE LOCATION RESULTS BELOW CRITERIA (10 µg/WIPE)
- µg/WIPE - MICROGRAM PER WIPE
- µg/M³ - MICROGRAM PER CUBIC METER AIR
- PLANT LAYOUT
- BUILDING FOOTPRINTS
- PARCELS
- 100' GRID
- 1 GRID SQUARE ID
- [120] CONCENTRATION IN µg/WIPE

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

INTERIOR BUILDING WIPE AND INDOOR AIR SAMPLING LOCATIONS

ARCADIS

FIGURE
2

CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
Z:\GISPROJECTS_ENV\MadisonKipp\ArcMap\2015-04\Interior_Wipe_Samples_20150417.mxd

LEGEND

- TOTAL DETECTED PCB CONCENTRATION REPORTED ABOVE TSCA DISPOSAL LIMIT OF 50 PPM
- TOTAL DETECTED PCB CONCENTRATION REPORTED BELOW TSCA DISPOSAL LIMIT OF 50 PPM
- MONITORING WELL
- A — A' CROSS SECTION
- PLANT LAYOUT
- PARCELS
- BUILDING FOOTPRINTS

0 80 160
Feet

PCB - POLYCHLORINATED BIPHENYL
PPM - PARTS PER MILLION
TSCA - TOXIC SUBSTANCE CONTROL ACT

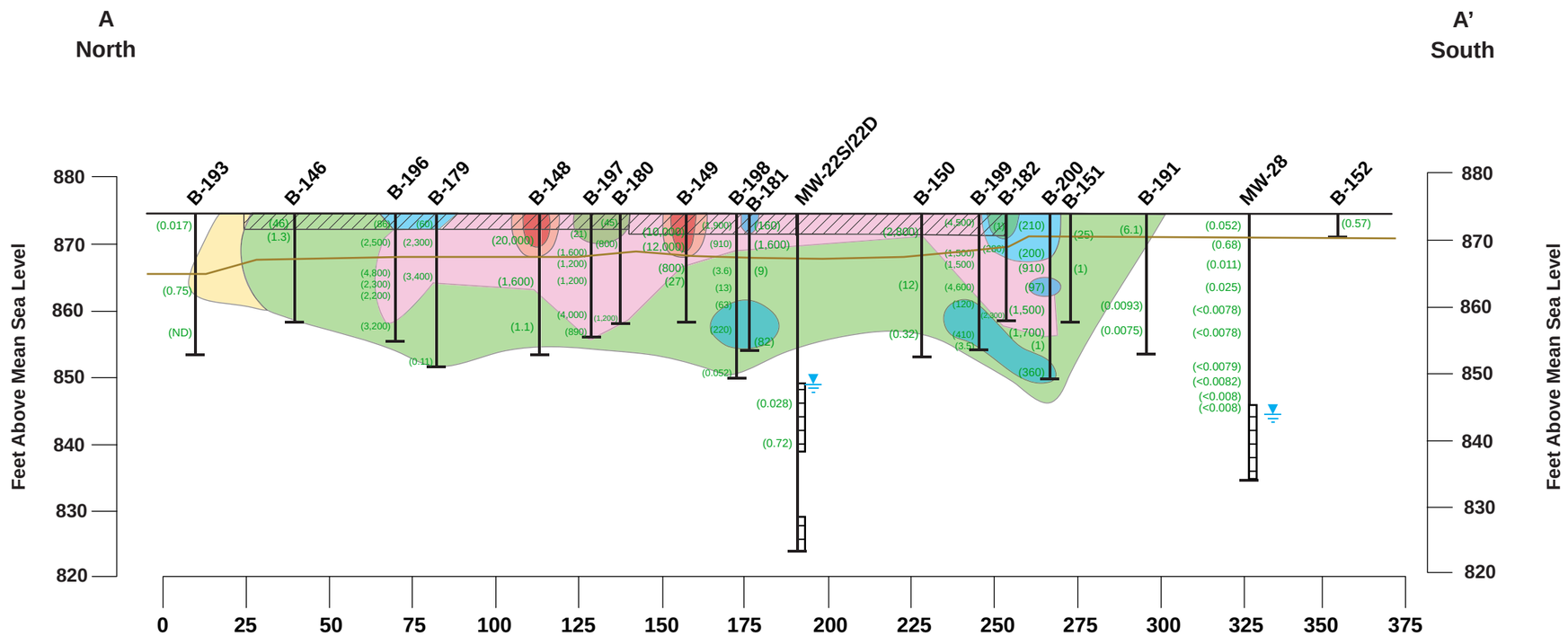
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

SOIL LOCATIONS ABOVE TSCA DISPOSAL LIMIT

ARCADIS

FIGURE
3

CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
Z:\GISPROJECTS_ENV\MadisonKipp\ArcMap\2015-04\Soil_Locs_AboveTSCA_20150413.mxd



Total Polychlorinated Biphenyl Isoconcentration Contour (mg/kg)

- >0.744 to 1
- 1 to 49
- 50 to 499
- 500 to 4,999
- 5000 to 9,999
- 10,000 to 20,000

LEGEND

- Well Screen
- Water Table Elevation for MW-22S in October 2014
- (27) Total Polychlorinated Biphenyl Concentration in mg/kg
- Geologic Contact
- Concrete and soil removal along the center aisle within the building (June/July 2014). Area replaced with clean, imported backfill and finished with new concrete.
- mg/kg milligram per kilogram

40
20
0
0 40 80

APPROXIMATE SCALE IN FEET
VERTICAL EXAGGERATION = 2x

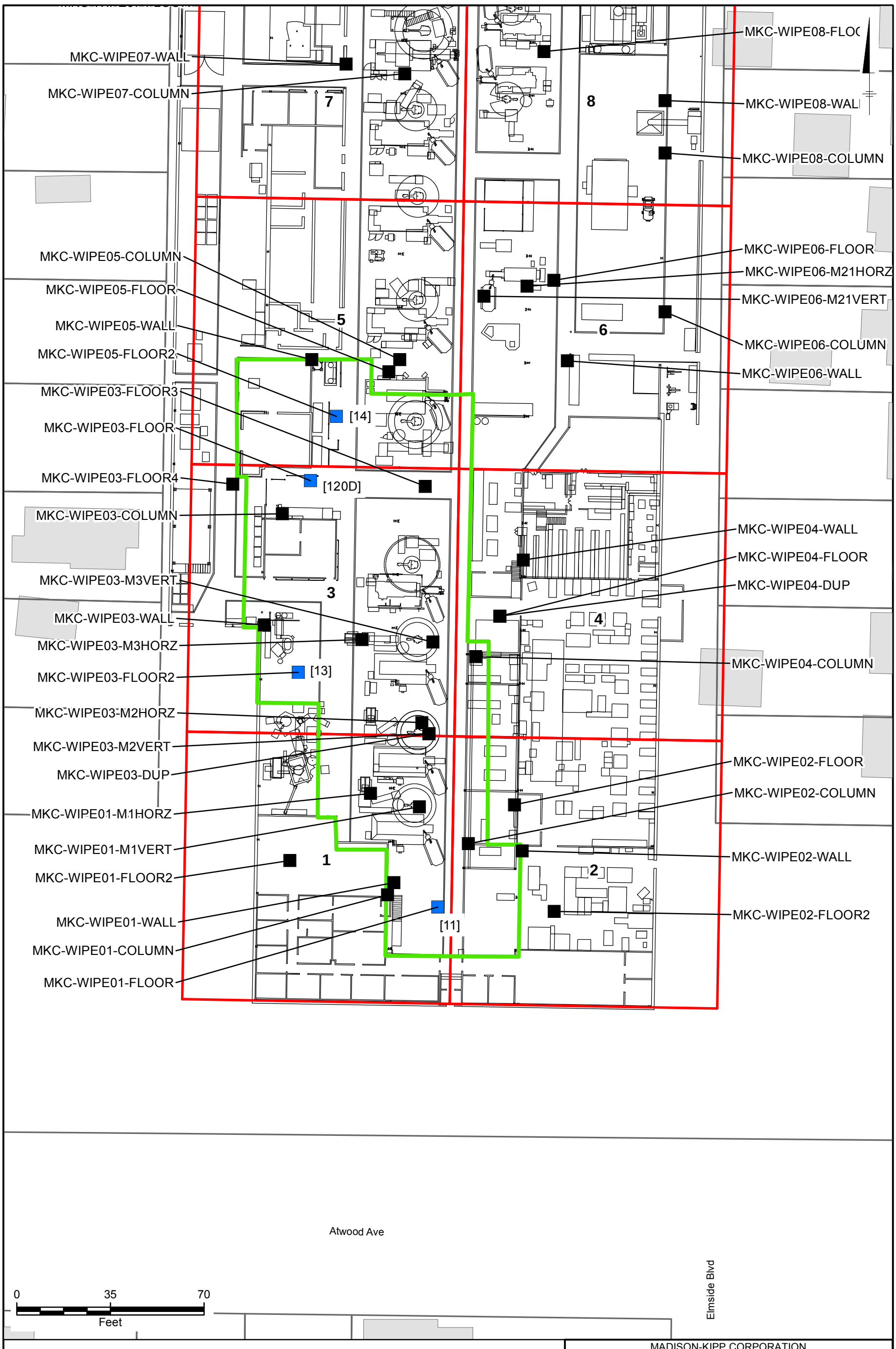
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

INTERIOR BUILDING TRENCH CROSS SECTION WITH SOIL BORING AND MONITORING WELL LOCATIONS

ARCADIS

FIGURE
4

16APR15\ENVIRONMENT\CK\LMB
MADISONKPP\W001368\2014\GRAPHICS\INTERIOR BLDG TRENCH XSEC W SB AND MW LOCS.AI



LEGEND

- TOTAL DETECTED PCB CONCENTRATION REPORTED ABOVE US EPA PCB SPILL CLEANUP POLICY OF 10 µg/WIPE
- TOTAL DETECTED PCB CONCENTRATION REPORTED BELOW US EPA PCB SPILL CLEANUP POLICY OF 10 µg/WIPE
- APPROXIMATE LOCATION OF FLOOR CONCENTRATIONS ABOVE CRITERIA
- µg/WIPE - MICROGRAM PER WIPE
- [120] CONCENTRATION IN µg/WIPE
- PLANT LAYOUT
- BUILDING FOOTPRINTS
- PARCELS
- 100' GRID
- 1 GRID SQUARE ID

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

APPROXIMATE LOCATION OF FLOOR CONCENTRATIONS ABOVE CRITERIA

ARCADIS

FIGURE
5

CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
Z:\GISPROJECTS_ENV\MadisonKipp\ArcMap\2015-04\Interior_Wipe_Locs_Above_20150416.mxd

ARCADIS

Attachment A

Submittal Certification

ARCADIS

Submittal Certification

This attachment was prepared to satisfy the requirements of Wisconsin Administrative Code Chapter NR 712.09 and is applicable to the following document.

Building Interior Polychlorinated Biphenyl Investigation Summary
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

I, Jennine L. Trask, 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.

J L Trask CPM #34959
Signature, title and P.E. number

WISCONSIN
JENNINE L. TRASK
#34959
WEST ALLIS, WI.
PROFESSIONAL ENGINEER
P.E. stamp

I, Trenna Seitheimer, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the 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.

project scientist
Signature and title

4/21/15
Date

ARCADIS

Attachment B

Soil Boring Logs and
Abandonment Forms

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-196

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Jim/Keith Last Name Firm Giles Engineering	03/03/15	03/03/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399898.08 N, 2144105.77 E S☐/C☐/N☐ ☒E ☐W Lat _____ Long _____
SW 1/4 of _____ 1/4 of Section 5, T 7 N, R 10

Local Grid Location ☐N ☐E _____ Feet ☐S _____ Feet ☐W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	27.6		0	0-4'/ 0.0-0.8' Concrete. 0.8-2.1' Fill: Sand and gravel, little clay, dark yellowish brown, loose, slightly moist. 2.1-2.2': Fill: Sand and gravel, little clay, dark brownish gray, loose, slightly moist.				1-2 1.6						
			2											
			4											
2	31.2			4-8'/ 4.0-6.3' Clay: Trace to some silt, increasing with depth, becomes silty at 6.0', medium stiff to soft, moderate to low plasticity, dark gray, slightly moist. 6.3-6.6' Sand: Trace clay, very fine to fine, poorly sorted, loose, dark yellowish brown, slightly moist.				4-6 6.9						
			6											
			8											
3	26.4			8-12'/ Sand: Trace to little rock fragments, trace gravel, loose to medium dense, poorly sorted, dark yellowish brown slightly moist, odor.				8-9 23.8 9-10 33.8						
			10											

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

Signature

Firm ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any purpose. NOTE: See instructions for more information, including where the completed from should be sent.

Boring Number B-196

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
								12-14 14.6						
4	22.8		12	12-16'/ 12.0-13.9' Sand: Trace to little rock fragments, little gravel, loose to medium dense, poorly sorted, dark yellowish brown slightly moist, odor.										
			14											
5	18		16	16-18.6'/ 16.0-17.3' Silty Sand: Medium dense, very fine, poorly sorted, trace to little rock fragments, dark brownish gray, slightly moist. 17.3-17.5' Large rock fragments. 18.5' Refusal.				16-17.5 18.7						
			18											
			20											
			22											
			24											
			26											
			28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-197

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Jim/Keith Last Name Firm Giles Engineering	03/02/15	03/04/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399837.08 N, 2144104.50 E S☐/C☐/N☐ ☒E ☐W
SW 1/4 of _____ 1/4 of Section 5, T 7 N, R 10
Lat _____ Long _____
Local Grid Location ☐N ☐E _____ Feet ☐S _____ Feet ☐W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	34.8		0	0-4'/ 0.0-0.8' Concrete. 0.8-1.5' Fill: Gravel: Little clay, trace sand, loose, poorly sorted, coarse, light yellowish brown, slightly moist. 1.5-2.9' Clay: Trace to little silt, low plasticity, medium stiff to stiff, dark gray, slightly moist.				0.8-1.5 0.6						
			2											
			4											
2	40.8			4-8'/ 4.0-6.0' Clay: Trace to little silt, low plasticity, medium stiff to stiff, dark gray, slightly moist. 6.0-7.4' Sand: Trace gravel, very fine to fine, moderately sorted, loose, yellowish brown, dry.				4-6 5.5						
			6					6-7.4 45.6						
			8											
3	34.8			8-12'/ 8.0-10.9' Sand: Trace gravel, very fine to fine, moderately sorted, loose, yellowish brown, dry.				8-10 45.5						
			10					10-10.9 40.5						

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

Signature _____ Firm ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

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Boring Number B-197

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
4	40.8		12	12-16'/ 12.0-14.0' Sand: Little gravel, trace rock fragments, very fine to fine, moderately sorted, loose, yellowish brown, dry. 14.0-15.4' Sand: Little gravel, trace rock fragments, little to some clay, slightly moist, very fine to fine, moderately sorted, loose, yellowish brown, dry. Refusal at 16.5'; offstep approximately1" north drilling resumes at 14:50 3/3/15 Refusal at 15.5'; 3rd attempt refusal at 8' 3/4/15 Able to extend the first offsetp to 17.5 before refusal 3/4/15				12-14 40.4 14-15.4 44.3						
5	18		16	16-17.5'/ 16.0-17.5' Sand: Little gravel, trace rock fragments, trace silt, very fine to fine, poorly sorted, loose, light reddish brown, dry. Refusal at 17.5'				16-17.5 58.6						
			18											
			20											
			22											
			24											
			26											
			28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-198

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Jim/Keith Last Name Firm Giles Engineering	03/02/15	03/03/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399793.43 N, 2144097.02 E S☐/C☐/N☐ Lat _____
SW 1/4 of _____ 1/4 of Section 5, T 7 ⓝR 10 ☒E ☐W Long _____

Local Grid Location ☐N ☐E
_____ Feet ☐S _____ Feet ☐W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	48		0 2	0-4'/ 0.0-0.6' Concrete. 0.6-4.0' Silty Clay: Grading into clay with some silt (at 2.6'), silt decreases with depth medium stiff, low to moderate plasticity with depth, light brownish gray grades to reddish brown at 2.6' slightly moist.				0.6-2 2.5 2-4 0.8						
2	45.6		4 6	4-8'/ 4.0-7.0' Clay: Little to some silt, medium stiff, low to no plasticity, grayish brown, slightly moist to dry with depth. 7.0-7.8' Sand; Trace to little gravel, very fine to fine, poorly sorted, loose, little yellowish brown, dry.				4-7 1.3 7-7.8 0.9						
3	36		8 10	8-12'/ 8.0-11.0' Sand; Trace to little gravel, very fine to fine, poorly sorted, loose, little yellowish brown, dry, becomes slightly moist to moist at 10.4'. Refusal at 13.5				8-10 0.6 10-11 0.2						

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Signature

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126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

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Boring Number B-198

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			12											
4	43.2		14	12-16'/ 12.0-15.0' Sand: Little to some gravel and rock fragments, loose, very fine to fine, poorly sorted, light yellowish brown, dry. 15.0-15.6' Clayey, Sand: Little large rock fragments, dense, very fine to fine, poorly sorted, dark yellowish brown, slightly moist.				12-14 6.4 14-15 1.9 15-15.6 1.2						
			16											
5	33.6		18	16-20'/ 16.0-18.6' Sand: Little to some rock fragments, loose to medium dense, very fine to fine poorly sorted, rock fragments increase with depth light yellowish brown to yellowish brown, dry to slightly moist. 18.6-18.8' Rock Fragments.				16-18 2.8 18-18.8 1.1						
			20											
6	36		22	20-23'/ 20.0-21.4' Rock Fragments. 21.4-23.0' Clayey Sand: Clay content increasing with depth, little large rock fragments, increasing with depth, very fine to fine, poorly sorted, medium dense to dense, dark yellowish brown, moist. Refusal at 23				20-21 5.2 21-22 1.6 22-23 1.2						
			24											
			26											
			28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Remediation/Redevelopment ☒ Waste Management ☐ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-199

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Jim/Keith Last Name Firm Giles Engineering	03/03/15	03/03/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399745.11 N, 2144103.56 E S☐/C☐/N☐ ☒E ☐W Lat _____ Long _____
SW 1/4 of _____ 1/4 of Section 5, T 7 N, R 10

Local Grid Location ☐N ☐E _____ Feet ☐S _____ Feet ☐W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	48		0	0-4'/ 0.0-0.7' Concrete. 0.7-1.0' Void 1.0-1.2' Concrete: Refusal, struck exiting subfloor. 1.2-4.0' Silty Clay: Silt content decreasing with depth, soft to medium stiff, low plasticity, dark gray grading to dark brown.				1.2-2 17.2 2-4 15.7						
			2											
			4											
2	39.6			4-8'/ 4.0-5.6' Silty Clay: Silt content decreasing with depth, soft to medium stiff, low plasticity, dark gray grading to dark brown, stained gray 5.0-5.6, strong odor. 5.6-6.8' Clayey Sand: Trace fine gravel, loose to medium dense, poorly sorted, dark brown, stained dark gray 5.6-6.6'. 6.8-7.3' Sand: Trace clay, trace rock fragments, very fine to fine, poorly sorted, loose, light yellowish brown, dry.				4-6 30.5 6-7.3 32						
			6											
			8											
3	34.8			8-12'/ 8.0-10.9' Sand: Little rock fragments, trace clay, loose to medium dense, density increases with depth, very fine to fine, poorly sorted, little yellowish to light reddish brown, dark brown 8.3-8.7, dry to slightly moist.				8-10 27.6 10-10.9 28.4						
			10											

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

Signature _____ Firm ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

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Boring Number B-199

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			12											
4	33.6			12-16'/ 12.0-14.8' Sand: Little large rock fragments throughout trace to little silt, very fine to fine, loose, poorly sorted, light reddish brown, slightly moist.				12-14 27.8						
			14					14-14.8 27.8						
			16											
5	32.4			16-19'/ 16.0-18.7' Sand: Little large rock fragments throughout trace to little silt, very fine to fine, loose, poorly sorted, light reddish brown, slightly moist.				16-18 30.6						
			18					18-18.7 26.2						
			20											
			22											
			24											
			26											
			28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-200

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Chip/Joel Last Name Firm Giles Engineering	03/03/15	03/05/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399724.07 N, 2144102.19 E S☐/C☐/N☐ Lat _____
SW 1/4 of _____ 1/4 of Section 5, T 7 N R 10 ☒ E ☐ W Long _____

Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	48		0 2	0-4'/ 0.0-0.7' Concrete. Second subfloor encountered at approximately 1.0'. 0.0-0.9' Concrete. 0.9-4.0' Silty Clay: Medium stiff to stiff, low plasticity, silt content decreases with depth, dark brown to yellowish brown with depth.				0.9-2 5.2 2-4 8.3						
2	46.8		4 6	4-8'/ 4.0-6.4' Silty Clay: Soft to medium stiff to stiff, low plasticity, silt content decreases with depth, dark brown to yellowish brown with depth, strong odor. 5.4-6.2' stained dark gray appears greasy. 6.4-7.5' Sand: Little gravel, trace silt, very fine to fine, loose, poorly sorted, light yellowish brown, gray 7.5-7.9', dry.				4-5.4 7.2 5.4-6.2 11.8						
3	45.6		8 10	8-12'/ 8.0-11.8' Sand: Little gravel, trace silt, very fine to fine, loose, poorly sorted, light yellowish brown, gray, dry, rock fragments 9.9-10.3'.				8-10 6.8 10-11.8 7.8						

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Signature

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Milwaukee, WI (414) 276-7742

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Boring Number B-200

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			12											
4	24			12-14'/ Sand: Little gravel, trace silt, very fine to fine, loose, poorly sorted, light yellowish brown, gray, dry, rock fragments. Refusal at 14'.				12-14 11.6						
5	36		14	14-16'/ Sand: Little gravel, trace silt, very fine to fine, loose, poorly sorted, light yellowish brown, gray, dry, little rock fragments.				14-16 11.6						
6	43.2		16	16-20'/ 16.0-19.6' Sand: Little to some rock fragments, trace silt increasing with depth, loose to medium dense, very fine to fine, poorly sorted, light yellowish brown, dry.				16-18 11.9 18-19.6 6.2						
7	42		20	20-23.5'/ 20.0-23.5' Sand: Little to some rock fragments, trace silt increasing with depth, loose to medium dense, very fine to fine, poorly sorted, light yellowish brown, dry, trace to little interbedded clay, little large rock fragments, dry to moist. Refusal at 23.5'.				20-22 4.8 22-23.5 15.3						
			24											
			26											
			28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Remediation/Redevelopment ☒ Waste Management ☐ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-201

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Jim/Keith Last Name Firm Giles Engineering	03/03/15	03/03/15	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399700.82 N, 2144061.66 E S☐/C☐/N☐ ☒ E ☐ W Lat _____ Long _____
SW 1/4 of _____ 1/4 of Section 5, T 7 (N), R 10

Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	48		0	0-4'/ 0.0-0.6' Concrete. 0.6-1.2' Silty Clay: Soft to medium stiff, no plasticity, crumbly, dark brownish gray, slightly moist. 1.2-4.0' Clay: Some silt, medium to stiff to stiff, low plasticity, hardness increases with depth, yellowish brown.				0.6-2 1.5 2-4 1.2						
			2											
			4											
2	45.6			4-8'/ 4.0-5.2' Clay: Some silt, medium to stiff to stiff, low plasticity, hardness increases with depth, yellowish brown. 5.2-6.0' Clay: Little silt, trace sand, soft, moderate plasticity, brownish gray, slightly moist. 6.0-7.2' Sandy Clay: Grading to clayey, sand, soft, low to no plasticity, brownish gray, slightly moist. 7.2-7.8' Sand: Trace clay, loose, very fine to fine, poorly sorted, light reddish brown, slightly moist.				4-5.2 1.7 5.2-6 4.9 6-7.2 9.4 7.2-7.8 18.1						
			6											
			8											
3	33.6			8-11'/ 8.0-9.3' Sand: Trace clay, loose, very fine to fine, poorly sorted, light reddish brown, slightly moist. 9.3-11.0' Sand: Some rock fragments, trace gravel, loose to medium dense, fine to coarse poorly sorted, light yellowish brown with black glass fragments at 9.5-9.9'. Refusal at 11'.				8-9.3 17.3 9.3-11 15.1						
			10											

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

Signature

Firm ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

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Boring Number B-201

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
4	36		12 14	12-16'/ 12.0-15.0' Sand: Trace clay increasing with depth, trace to little rock fragments increasing with depth, loose to medium dense, poorly sorted, very fine to fine, light yellowish to reddish brown, dry to slightly moist, odor, stained areas at 12.6-13.0'.				12-13 29.7 13-14 26.7 14-15 23.5						
5	40.8		16 18	16-19'/ 16.0-19.0' Sand: Trace clay increasing with depth, trace to little rock fragments increasing with depth, loose to medium dense, poorly sorted, very fine to fine, light yellowish to reddish brown, dry to slightly moist, odor, stained areas at 16.5-17.0'., slightly moist, trace intermixed clay nodules.				16-71 26.8 17-18 21.9 18-19 23.7						
			20 22 24 26 28											

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Madison-Kipp		B-202/MW-28

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Chip/Joel Last Name Firm Giles Engineering	03/04/15	03/04/15	Hollow Stem Auger

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-202/MW-28	_____ Feet	_____ Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 399666.77 N, 2144113.37 E S☐/C☐/N☐ ☒E ☐W Lat _____ Long _____
SW 1/4 of _____ 1/4 of Section 5, T 7 N, R 10

Local Grid Location ☐N ☐E _____ Feet ☐S _____ Feet ☐W

Facility ID	County	County Code	Civil Town/City/or Village
113125320	Dane	13	Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1			0	Concrete.										
2	10.8			1-2'/ 0.0-0.2' Fill, Sand and Gravel. 0.2-0.9' Silty Clay: Stiff, low plasticity, dark reddish brown, dry.				0.2-0.9 1.1						
3	4.8		2	2-4'/ 2.0-2.4' Silty Clay: Stiff, low plasticity, dark reddish brown, dry, clay, some silt.				2-2.4 0.8						
4	24		4	4-6'/ 4.0-4.8' Silty Clay: Stiff, low plasticity, dark reddish brown, dry, clay, some silt, trace little sand. 4.8-6.0' Sand: Trace to little clay, trace intermixed clay nodules, very fine to fine, poorly sorted, loose to medium dense, reddish brown slightly moist.				4-5 0.8 5-6 0.7						
5	16.8		6	6-8'/ 6.0-7.0' Sand: Trace clay and gravel, trace intermixed clay nodules, very fine to fine, poorly sorted, loose to medium dense, reddish brown slightly moist. 7.0-7.4' Sand: Trace clay and gravel, trace intermixed clay nodules, very fine to fine, poorly sorted,				6-7.4 0.6						
6	16.8		8	loose to medium dense, reddish brown slightly moist, some black slag, rock fragments. 8-10'/ 8.0-9.4' Sand: Trace to little gravel, trace slag, loose, very fine to fine, poorly sorted, light yellowish brown, dry.				8-9.4 0.8						
7	7.2		10	10-12'/ 10.0-10.6' Sand: Trace to little gravel, trace slag,				10-11.9 1.9						

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

Signature

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126 N. Jefferson St., Suite 400
Milwaukee, WI (414) 276-7742

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Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				loose, very fine to fine, poorly sorted, light yellowish brown, dry, trace gravel.										
8	10.8		12	12-14'/ 12.0-12.5' Fragmented rock, micseous limestone. 12.5-12.9' Sand: Little clay, trace gravel/rock fragments, very fine to fine, poorly sorted, loose to medium dense, light reddish brown, dry.				12-12.9 2.2						
9	16.8		14	14-16'/ 14.0-15.4' Sand: Little clay, trace gravel/rock fragments, very fine to fine, poorly sorted, loose to medium dense, light reddish brown, dry, large rock fragments 14-14.7'.				14-15.4 2.1						
10	22.8		16	16-18'/ 16.0-17.9' Sand: Little clay, trace gravel/rock fragments, very fine to fine, poorly sorted, loose to medium dense, light reddish brown, dry, large rock fragments 16.1-16.6' and 16.9-17.2'.				16-17 2.3 17-17.9 1.3						
11	--		18	18-20'/ No recovery.										
12	13.2		20	20-22'/ 20.0-21.1' Sand: Little rock fragments and gravel, trace clay, very fine to fine, poorly sorted, sub-rounded, loose to medium dense, light reddish brown, dry.				20-21.1 1.1						
13	13.2		22	22-24'/ 22.0-22.4' Rock Fragments. 22.4-23.1' Sand and Clay: Trace to little rock fragments, soft to medium stiff, no to low plasticity, clay content decreases with depth, light reddish brown, moist.				22-23.1 2.5						
14	22.8		24	24-26'/ 24.0-24.4' Rock Fragments. 24.4-25.4' Sand: Little silt, little rock fragments, medium dense, very fine to fine, poorly sorted, light reddish brown, dry to slightly moist.				24-25.4 2.1						
15	9.6		26	26-28'/ 26.0-26.8' Sand: Little silt, little rock fragments, medium dense, very fine to fine, poorly sorted, light reddish brown, dry to slightly moist, little clay, trace silt.				26-26.8 2.1						
16	8.4		28	28-30'/ 28.0-28.7' Sand: Little rock fragments/gravel, trace silt, loose, very fine, poorly sorted, light reddish				28-28.7 2.1						

Boring Number B-202/MW-28

Sample Number and Type	Sample Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				brown, slightly moist to moist.										
			30											
17	--			30-32'/ No recovery.										
			32											
18	14.4			32-34'/ Refusal rock.										
			34											
			36											
			38											
			40											
			42											
			44											
			48											

State of Wis., Dept. of Natural Resources
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Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis.Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ ' N; ___° ___.___ ' W
Method Code (see instructions):
1/4 / 1/4: 1/4 SW
or Gov't Lot #:
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-196
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/03/2015
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 18.5
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	18.5	0.91 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/03/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

Madisonkipp/WI0012368/2014/graphics/logs/b196.aban.ai

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ ' N; ___° ___.___ ' W
Method Code (see instructions):
1/4 / 1/4: 1/4 SW
or Gov't Lot #:
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-197
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/02/2015
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 17.5
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	17.5	0.86 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/04/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

Madisonkipp/WI0012368/2014/graphics/logs/B197.aban.ai

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Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ 'N ___° ___.___ 'W
Method Code (see instructions):
1/4 / 1/4 or Gov't Lot #: 1/4 SW
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-198
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/02/2015
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 23
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☒ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	23	1.13 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/03/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

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Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ 'N; ___° ___.___ 'W
Method Code (see instructions):
1/4 / 1/4 or Gov't Lot #: 1/4 SW
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-199
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/03/2015
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 19
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	19	0.93 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/03/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

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dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ 'N ___° ___.___ 'W
Method Code (see instructions):
1/4 / 1/4 or Gov't Lot #: 1/4 SW
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-200
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/03/2015
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 23.5
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	23.5	1.15 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/05/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County: Dane
WI Unique Well No. Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ___° ___.___ 'N; ___° ___.___ 'W
Method Code (see instructions):
1/4 / 1/4: 1/4 SW
or Gov't Lot #:
Section: 5
Township: 7 N
Range: 10 ☒ E ☐ W
Well Street Address: 201 Waubesa Street
Well City, Village or Town: Madison
Well ZIP Code: 53704
Subdivision Name:
Lot #:
Reason For Removal From Service: Soil Boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Madison Kipp
Common Well Name: B-201
Facility ID (FID or PWS): 113125320
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Mark Meunier
Mailing Address of Present Owner: 201 Waubesa Street
City of Present Owner: Madison
State: WI
ZIP Code: 53704

3. Well/Drillhole/Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 03/03/2015
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 19
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 3
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left inplace?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☒
If bentonite chips were used, were they hydrated with water from a known safe source?	☒	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	19	0.93 ft³	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: ARCADIS
License #:
Date of Filling & Sealing (mm/dd/yyyy): 03/05/2015
Street or Route: 126 N. Jefferson Street, Suite 400
Telephone Number: 414-276-7742
City: Milwaukee
State: WI
ZIP Code: 53202
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

Madisonkipp/WI0012368/2014/graphics/logs/ B201 .aban.ai

ARCADIS

Attachment C

Well Construction and Well Development Form

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-28
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399666.77 ft. N, 2144113.37 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320		Date Well Installed: 03/04/2015
Type of Well: Well Code ____/____	Section Location of Waste/Source: SW 1/4 of ____ 1/4 of Sec. 5 T. 7 ☒ N R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Chip and Joel Giles Engineering
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation 874.30 ft. MSL

B. Well casing, top elevation 874.05 ft. MSL

C. Land surface elevation 874.30 ft. MSL

D. Surface seal, bottom 873.30 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison Public Water

E. Bentonite seal, top 855.60 ft. MSL or 23.7 ft.

F. Fine sand, top 855.60 ft. MSL or 23.7 ft.

G. Filter pack, top 849.60 ft. MSL or 24.7 ft.

H. Screen joint, top 846.60 ft. MSL or 27.7 ft.

I. Well bottom 836.60 ft. MSL or 37.7 ft.

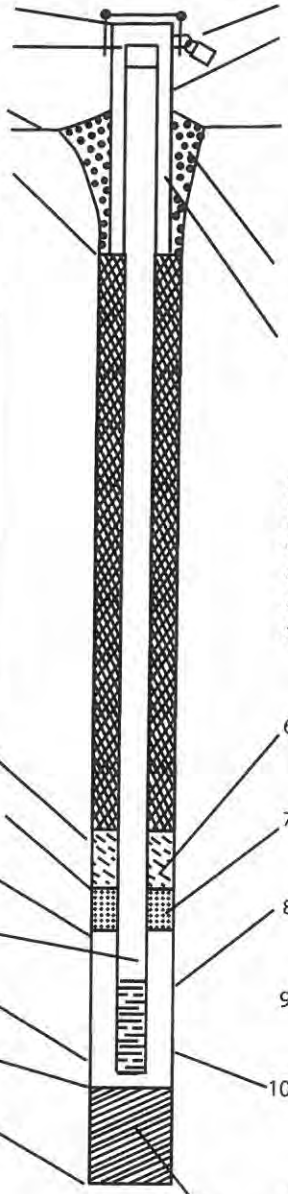
J. Filter pack, bottom _____ ft. MSL or _____ ft.

K. Borehole bottom 834.30 ft. MSL or 40 ft.

L. Borehole diameter _____ in.

M. O.D. well casing _____ in.

N. I.D. well casing _____ in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ☒ 04
_____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
_____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annual space seal ☐ __
_____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☒ 02
Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: PVC Sch.
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14
_____ Other ☒ __

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

Signature _____ Firm ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madisonkipp/WI001283/graphics/logs/mw28_con.ai

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Madison-Kipp	Dane	MW-28

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	13		

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
- surged with bailer and bailed ☐ 41
- surged with bailer and pumped ☐ 61
- surged with block and bailed ☐ 42
- surged with block and pumped ☒ 62
- surged with block, bailed and pumped ☐ 70
- compressed air ☐ 20
- bailed only ☐ 10
- pumped only ☐ 51
- pumped slowly ☐ 50
- Other _____ ☐ --

3. Time spent developing well 110 min.

4. Depth of well (from top of well casing) 37.98 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 14.5 gal.

7. Volume of water removed from well 32 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 27.27 ft.	27.41 ft.
Date	b. 03/06/2015 mm/dd/yyyy	03/06/2015 mm/dd/yyyy
Time	c. 09:40 ☒a.m. ☐p.m.	11:30 ☒a.m. ☐p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water Clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Cloudy	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jay Last Name: Read
Firm: ARCADIS U.S., Inc.

17. Additional comments on development:

ARCADIS purged additional groundwater prior to first sampling event.

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Alina Last Name: Satkoski
Facility/Firm: Madison-Kipp
Street: 201 Waubesa Street
City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jay Read
Firm: ARCADIS U.S., Inc.

NOTE: See instructions for more information including a list of country codes and well type codes.

madison-kipp/WI001368/2015/graphics/logs/MW28 dev.ai

ARCADIS

Attachment D

Wipe Sampling Log

Attachment D
Wipe Sample Log

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation

Grid #	Wipe Type						Sample ID	Sample Location	Sample Date	Sample Time
	Wall	Column	Floor	Machine		Dup.				
				horz.	vert.					
1	X						MKC-WIPE01-WALL	white wall at bottom of stairs next to cafeteria door/emergency fire blanket (vertical surface)	3/4/15	1102
		X					MKC-WIPE01-COLUMN	blue support column next to cafeteria door/emergency fire blanket (vertical surface)	3/4/15	1051
			X				MKC-WIPE01-FLOOR	black rough concrete floor in die storage #2 area (horizontal surface)	3/4/15	1059
				X			MKC-WIPE01-M1HORZ	rear end of Machine 1 - hydraulic tank (horizontal surface)	3/4/15	1010
					X		MKC-WIPE01-M1VERT	front end of Machine 1 - shot barrel block (vertical surface)	3/4/15	1004
			X				MKC-WIPE01-FLOOR2	break room tile floor (23 tiles in from west and 12 tiles in from north)	4/2/15	0750
2	X						MKC-WIPE02-WALL	white wall next to emergency eye wash station (vertical surface)	3/4/15	1117
		X					MKC-WIPE02-COLUMN	yellow support column east of Machine 1 (vertical surface)	3/4/15	1108
			X				MKC-WIPE02-FLOOR	black rough concrete floor along base of wall of repair room (horizontal surface)	3/4/15	1113
			X				MKC-WIPE02-FLOOR2	black rough concrete floor south of double doors and west of furnace in aisle way	4/2/15	0810
3	X						MKC-WIPE03-WALL	white wall next to emergency eye wash station (vertical surface)	3/4/15	1155
		X					MKC-WIPE03-COLUMN	unpainted column south of 55-gal steel drum storage (vertical surface)	3/4/15	1144
			X				MKC-WIPE03-FLOOR	black rough concrete floor along base of secondary containment of 55-gal steel drum storage (horizontal surface)	3/4/15	1152
				X			MKC-WIPE03-M2HORZ	front end of M2 - c-frame (horizontal surface)	3/4/15	1019
					X		MKC-WIPE03-M2VERT	front end of M2 - shot barrel block (vertical surface)	3/4/15	1015
				X			MKC-WIPE03-M3HORZ	rear end of M3 - hydraulic tank (horizontal surface)	3/4/15	1028
					X		MKC-WIPE03-M3VERT	front end of M3 - shot barrel block (vertical surface)	3/4/15	1024
						X	MKC-WIPE03-DUP	front end of M2 - shot barrel block (vertical surface)	3/4/15	1017
			X				MKC-WIPE03-FLOOR2	black rough concrete floor 9 feet from center of pallet rack along west wall	4/2/15	0820
			X				MKC-WIPE03-FLOOR3	black rough concrete floor 27 feet west of yellow guardrail in center aisle way	4/2/15	0830
			X				MKC-WIPE03-FLOOR4	black rough concrete floor 4 feet south of north wall	4/2/15	0835

Attachment D
Wipe Sample Log

Building Interior Polychlorinated Biphenyl Investigation Summary
201 Waubesa Street
Madison-Kipp Corporation

Grid #	Wipe Type						Sample ID	Sample Location	Sample Date	Sample Time
	Wall	Column	Floor	Machine		Dup.				
				horz.	vert.					
4	X						MKC-WIPE04-WALL	white wall at bottom of stairs (vertical surface)	3/4/15	1124
		X					MKC-WIPE04-COLUMN	yellow support column east of M3 (vertical surface)	3/4/15	1129
			X				MKC-WIPE04-FLOOR	black rough concrete floor in aisleway between pressure washing area and repair room (horizontal surface)	3/4/15	1135
						X	MKC-WIPE04-DUP	black rough concrete floor in aisleway between pressure washing area and repair room (horizontal surface)	3/4/15	1137
5	X						MKC-WIPE05-WALL	white wall west of M7 (vertical surface)	3/4/15	1207
		X					MKC-WIPE05-COLUMN	blue support column between M6 and M7 (vertical surface)	3/4/15	1213
			X				MKC-WIPE05-FLOOR	black rough concrete floor along base of M6 near column (horizontal surface)	3/4/15	1219
			X				MKC-WIPE05-FLOOR2	black rough concrete floor 8 feet east of electrical panel	4/2/15	0845
6	X						MKC-WIPE06-WALL	white wall southwest of M21 (vertical surface)	3/4/15	1424
		X					MKC-WIPE06-COLUMN	yellow support column near exit door (vertical surface)	3/4/15	1426
			X				MKC-WIPE06-FLOOR	black rough concrete floor at rear end of M21 (horizontal surface)	3/4/15	1420
				X			MKC-WIPE06-M21HORZ	rear end of M21 - pump block (horizontal surface)	3/4/15	1038
					X		MKC-WIPE06-M21VERT	front end of M21 - shot barrel block (vertical surface)	3/4/15	1034
7	X						MKC-WIPE07-WALL	white wall at intersection of west-east and north-south aisleway west of M10 (vertical surface)	3/4/15	1323
		X					MKC-WIPE07-COLUMN	blue support column between M9 and M10 (vertical surface)	3/4/15	1227
			X				MKC-WIPE07-FLOOR	black rough concrete floor along base of M11 (horizontal surface)	3/4/15	1326
8	X						MKC-WIPE08-WALL	white exterior wall of building (vertical surface)	3/4/15	1411
		X					MKC-WIPE08-COLUMN	yellow support column near exit door (vertical surface)	3/4/15	1406
			X				MKC-WIPE08-FLOOR	black rough concrete floor at rear end of M31 (horizontal surface)	3/4/15	1408
9	X						MKC-WIPE09-WALL	white wall of "water pit" (vertical surface)	3/4/15	1332
		X					MKC-WIPE09-COLUMN	white support column at intersection of west-east and north-south aisleway (vertical surface)	3/4/15	1338
			X				MKC-WIPE09-FLOOR	black rough concrete floor at rear end of M13 (horizontal surface)	3/4/15	1343
10	X						MKC-WIPE10-WALL	white wall of office near exit door (vertical surface)	3/4/15	1352
		X					MKC-WIPE10-COLUMN	blue support column between M14 and M15 (vertical surface)	3/4/15	1355
			X				MKC-WIPE10-FLOOR	black rough concrete floor in 30-gal fiber drum storage (horizontal surface)	3/4/15	1358

ARCADIS

Attachment E

Laboratory Reports

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

March 09, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202
RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 03/02/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-198 (1-2)	A151002-01	Soil	03/02/2015	03/02/2015
SB-198 (4-5)	A151002-02	Soil	03/02/2015	03/02/2015
Dup-1	A151002-03	Soil	03/02/2015	03/02/2015
SB-198 (7-8)	A151002-04	Soil	03/02/2015	03/02/2015
SB-198 (9-10)	A151002-05	Soil	03/02/2015	03/02/2015
SB-197 (2-3)	A151002-06	Soil	03/02/2015	03/02/2015
SB-197 (5-6)	A151002-07	Soil	03/02/2015	03/02/2015
SB-197 (6-7)	A151002-08	Soil	03/02/2015	03/02/2015
SB-197 (9-10)	A151002-09	Soil	03/02/2015	03/02/2015
SB-197 (14-15)	A151002-10	Soil	03/02/2015	03/02/2015

CASE NARRATIVE

Sample Receipt Information:
10 samples were received on 3/2/2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (1-2)

A151002-01 (Soil)

Date Sampled
03/02/2015 13:30

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503009**		
PCB-1016	ND	8.8	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
PCB-1221	ND	4.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
PCB-1232	ND	3.3	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
PCB-1242	**1900**	5.2	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	D
PCB-1248	ND	6.3	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
PCB-1254	ND	5.2	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
PCB-1260	ND	2.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	
Total PCBs	**1900**	8.8	120	mg/kg dry	1000	03/04/2015	03/06/2015 01:36	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 01:36*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 01:36*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503010**		
% Solids	**84.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (4-5)

A151002-02 (Soil)

Date Sampled
03/02/2015 13:40

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	4.5	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
PCB-1221	ND	2.5	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
PCB-1232	ND	1.7	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
PCB-1242	**910**	2.7	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	D
PCB-1248	ND	3.2	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
PCB-1254	ND	2.7	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
PCB-1260	ND	1.5	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	
Total PCBs	**910**	4.5	61	mg/kg dry	500	03/04/2015	03/06/2015 02:02	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 02:02*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 02:02*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**82.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Dup-1

A151002-03 (Soil)

Date Sampled
03/02/2015 00:00

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	8.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
PCB-1221	ND	4.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
PCB-1232	ND	3.4	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
PCB-1242	**2300**	5.3	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	D
PCB-1248	ND	6.4	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
PCB-1254	ND	5.3	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
PCB-1260	ND	2.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	
Total PCBs	**2300**	8.9	120	mg/kg dry	1000	03/04/2015	03/06/2015 03:21	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 03:21*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 03:21*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**83.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (7-8)

A151002-04 (Soil)

Date Sampled
03/02/2015 13:50

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.031	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
PCB-1221	ND	0.017	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
PCB-1232	ND	0.012	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
PCB-1242	**3.6**	0.018	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	D
PCB-1248	ND	0.022	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
PCB-1254	ND	0.018	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
PCB-1260	ND	0.0099	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	
Total PCBs	**3.6**	0.031	0.41	mg/kg dry	4	03/04/2015	03/06/2015 03:47	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*66.7 %*	*59.1-127*		*03/04/2015*	*03/06/2015 03:47*	*EPA 8082A*	*D*
Surrogate: Tetrachloro-meta-xylene			*84.8 %*	*77.4-119*		*03/04/2015*	*03/06/2015 03:47*	*EPA 8082A*	*D*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**96.6**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (9-10)

A151002-05 (Soil)

Date Sampled
03/02/2015 14:00

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	0.077	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
PCB-1221	ND	0.043	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
PCB-1232	ND	0.029	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
PCB-1242	**13**	0.046	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	D
PCB-1248	ND	0.055	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
PCB-1254	ND	0.046	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
PCB-1260	ND	0.025	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	
Total PCBs	**13**	0.077	1.0	mg/kg dry	10	03/04/2015	03/06/2015 04:13	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*71.1 %*	*59.1-127*		*03/04/2015*	*03/06/2015 04:13*	*EPA 8082A*	*D*
Surrogate: Tetrachloro-meta-xylene			*90.7 %*	*77.4-119*		*03/04/2015*	*03/06/2015 04:13*	*EPA 8082A*	*D*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**95.8**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (2-3)

A151002-06 (Soil)

Date Sampled
03/02/2015 14:30

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.090	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
PCB-1221	ND	0.050	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
PCB-1232	ND	0.034	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
PCB-1242	**21**	0.053	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	D
PCB-1248	ND	0.064	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
PCB-1254	ND	0.053	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
PCB-1260	ND	0.029	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	
Total PCBs	**21**	0.090	1.2	mg/kg dry	10	03/04/2015	03/06/2015 04:39	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*73.3 %*	*59.1-127*		*03/04/2015*	*03/06/2015 04:39*	*EPA 8082A*	*D*
Surrogate: Tetrachloro-meta-xylene			*91.9 %*	*77.4-119*		*03/04/2015*	*03/06/2015 04:39*	*EPA 8082A*	*D*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**82.3**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (5-6)

A151002-07 (Soil)

Date Sampled
03/02/2015 14:40

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	4.2	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
PCB-1221	ND	2.4	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
PCB-1232	ND	1.6	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
PCB-1242	**1600**	2.5	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	D
PCB-1248	ND	3.0	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
PCB-1254	ND	2.5	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
PCB-1260	ND	1.4	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	
Total PCBs	**1600**	4.2	57	mg/kg dry	500	03/04/2015	03/06/2015 13:20	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 13:20*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 13:20*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**87.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (6-7)

A151002-08 (Soil)

Date Sampled
03/02/2015 14:50

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	3.8	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
PCB-1221	ND	2.1	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
PCB-1232	ND	1.4	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
PCB-1242	**1200**	2.3	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	D
PCB-1248	ND	2.7	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
PCB-1254	ND	2.3	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
PCB-1260	ND	1.2	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	
Total PCBs	**1200**	3.8	51	mg/kg dry	500	03/04/2015	03/06/2015 13:46	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 13:46*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 13:46*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**97.6**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (9-10)

A151002-09 (Soil)

Date Sampled
03/02/2015 14:55

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	3.8	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
PCB-1221	ND	2.1	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
PCB-1232	ND	1.4	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
PCB-1242	**1200**	2.3	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	D
PCB-1248	ND	2.7	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
PCB-1254	ND	2.3	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
PCB-1260	ND	1.2	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	
Total PCBs	**1200**	3.8	52	mg/kg dry	500	03/04/2015	03/06/2015 07:41	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 07:41*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 07:41*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**96.8**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (14-15)

A151002-10 (Soil)

Date Sampled
03/02/2015 15:05

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	16	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
PCB-1221	ND	8.6	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
PCB-1232	ND	5.9	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
PCB-1242	**4000**	9.3	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	D
PCB-1248	ND	11	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
PCB-1254	ND	9.3	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
PCB-1260	ND	5.1	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	
Total PCBs	**4000**	16	210	mg/kg dry	2000	03/04/2015	03/06/2015 08:07	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 08:07*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 08:07*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**95.0**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503009 - EPA 3570										
Blank (A503009-BLK1)				Prepared: 03/04/2015 Analyzed: 03/06/2015 01:10						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.130*		*mg/kg wet*	*0.1584*		*82.2*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.113*		*mg/kg wet*	*0.1200*		*94.0*	*77.4-119*			
LCS (A503009-BS1)				Prepared: 03/04/2015 Analyzed: 03/06/2015 00:44						
PCB-1254	0.927	0.10	mg/kg wet	1.000		92.7	76.4-124			
Surrogate: Decachlorobiphenyl	*0.130*		*mg/kg wet*	*0.1584*		*81.9*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.120*		*mg/kg wet*	*0.1200*		*100*	*77.4-119*			
Matrix Spike (A503009-MS1)	**Source: A151002-02**			Prepared: 03/04/2015 Analyzed: 03/06/2015 02:28						
PCB-1242	798	61	mg/kg dry		906		61.9-148			M1, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1927*			*59.1-127*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1460*			*77.4-119*			*DO*
Matrix Spike Dup (A503009-MSD1)	**Source: A151002-02**			Prepared: 03/04/2015 Analyzed: 03/06/2015 02:55						
PCB-1242	720	61	mg/kg dry		906		61.9-148		20	M1, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1927*			*59.1-127*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1460*			*77.4-119*			*DO*

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503010 - % Solids										
Duplicate (A503010-DUP1)	**Source: A151002-01**		Prepared: 03/04/2015 Analyzed: 03/05/2015 08:15							
% Solids	82.3	0.00	% by Weight		84.2			2.28	20	

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126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

Notes and Definitions

M1	Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
DO	Diluted out.
D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151002

Mail Report To: Chris Kubacki
Company: ARCADIS
Address:
E-mail Address: chris.kubacki@arcadis-us.com
Invoice To: " "
Company:
Address:

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): Jay Reed

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	RBS 6082	RBS homolog					Comments	Lab ID	Lab Receipt Time
SB-198 (1-2)	3/2/15	13:30	SO	1	X							01	
SB-198 (4-5)	3/2/15	13:40	SO	2	X						MS/MSD	02	
DUP-1	3/2/15	-	SO	1	X						Duplicate	03	
SB-198 (7-8)	3/2/15	13:50	SO	1	X							04	
SB-198 (9-10)	3/2/15	14:00	SO	1	X							05	
SB-197 (2-3)	3/2/15	14:30	SO	1	X	X					per client HOLD	06	
SB-197 (5-6)	3/2/15	14:40	SO	1	X	X					HOMOLOG	07	
SB-197 (6-7)	3/2/15	14:50	SO	1	X	X						08	
SB-197 (9-10)	3/2/15	14:55	SO	1	X	X						09	
SB-197 (14-15)	3/2/15	15:05	SO	1	X	X						10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
ARCADIS	3/2/15	1552	[signature]	3/2/15	1552
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: hand del.
Receipt Temp:
Temp Blank Y N on ice

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Rev. 11/08

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March 09, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202
RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 03/03/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-196 (1-2)	A151005-01	Soil	03/03/2015	03/03/2015
SB-196 (5-6)	A151005-02	Soil	03/03/2015	03/03/2015
SB-196 (8-9)	A151005-03	Soil	03/03/2015	03/03/2015
SB-196 (9-10)	A151005-04	Soil	03/03/2015	03/03/2015
SB-196 (12-13)	A151005-05	Soil	03/03/2015	03/03/2015
SB-196 (16.3-17.3)	A151005-06	Soil	03/03/2015	03/03/2015
SB-201 (0.6-1.6)	A151005-07	Soil	03/03/2015	03/03/2015
SB-201 (5-6)	A151005-08	Soil	03/03/2015	03/03/2015
SB-201 (6.8-7.8)	A151005-09	Soil	03/03/2015	03/03/2015
SB-201 (9-10)	A151005-10	Soil	03/03/2015	03/03/2015

CASE NARRATIVE

Sample Receipt Information:
10 samples were received on 3/3/2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (1-2)

A151005-01 (Soil)

Date Sampled
03/03/2015 09:15

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.79	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
PCB-1221	ND	0.44	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
PCB-1232	ND	0.30	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
PCB-1242	**86**	0.47	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	D
PCB-1248	ND	0.56	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
PCB-1254	ND	0.47	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
PCB-1260	ND	0.26	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	
Total PCBs	**86**	0.79	11	mg/kg dry	100	03/04/2015	03/06/2015 09:26	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 09:26*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 09:26*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**93.9**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (5-6)

A151005-02 (Soil)

Date Sampled
03/03/2015 09:25

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	18	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
PCB-1221	ND	9.8	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
PCB-1232	ND	6.7	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
PCB-1242	**2500**	10	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	D
PCB-1248	ND	13	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
PCB-1254	ND	10	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
PCB-1260	ND	5.7	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	
Total PCBs	**2500**	18	240	mg/kg dry	2000	03/04/2015	03/06/2015 09:52	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 09:52*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 09:52*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**83.9**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (8-9)

A151005-03 (Soil)

Date Sampled
03/03/2015 09:30

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	39	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
PCB-1221	ND	22	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
PCB-1232	ND	15	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
PCB-1242	**4800**	23	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	D
PCB-1248	ND	28	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
PCB-1254	ND	23	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
PCB-1260	ND	13	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	
Total PCBs	**4800**	39	530	mg/kg dry	5000	03/04/2015	03/06/2015 10:18	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 10:18*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 10:18*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**94.9**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (9-10)

A151005-04 (Soil)

Date Sampled
03/03/2015 09:35

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	7.7	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
PCB-1221	ND	4.3	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
PCB-1232	ND	2.9	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
PCB-1242	**2300**	4.6	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	D
PCB-1248	ND	5.5	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
PCB-1254	ND	4.6	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
PCB-1260	ND	2.5	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	
Total PCBs	**2300**	7.7	100	mg/kg dry	1000	03/04/2015	03/06/2015 10:44	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 10:44*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 10:44*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**96.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (12-13)

A151005-05 (Soil)

Date Sampled
03/03/2015 09:40

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	7.9	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
PCB-1221	ND	4.4	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
PCB-1232	ND	3.0	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
PCB-1242	**2200**	4.7	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	D
PCB-1248	ND	5.7	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
PCB-1254	ND	4.7	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
PCB-1260	ND	2.6	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	
Total PCBs	**2200**	7.9	110	mg/kg dry	1000	03/04/2015	03/06/2015 12:54	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 12:54*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 12:54*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**93.4**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-196 (16.3-17.3)

A151005-06 (Soil)

Date Sampled
03/03/2015 10:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	16	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
PCB-1221	ND	8.7	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
PCB-1232	ND	5.9	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
PCB-1242	**3200**	9.3	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	D
PCB-1248	ND	11	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
PCB-1254	ND	9.3	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
PCB-1260	ND	5.1	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	
Total PCBs	**3200**	16	210	mg/kg dry	2000	03/04/2015	03/06/2015 14:13	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 14:13*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 14:13*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**94.6**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (0.6-1.6)

A151005-07 (Soil)

Date Sampled
03/03/2015 10:50

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	0.0091	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1221	ND	0.0051	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1232	ND	0.0035	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1242	**1.2**	0.0054	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1248	ND	0.0065	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1254	ND	0.0054	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
PCB-1260	ND	0.0030	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
Total PCBs	**1.2**	0.0091	0.12	mg/kg dry	1	03/04/2015	03/06/2015 08:33	EPA 8082A	
Surrogate: Decachlorobiphenyl			*104 %*	*59.1-127*		*03/04/2015*	*03/06/2015 08:33*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*106 %*	*77.4-119*		*03/04/2015*	*03/06/2015 08:33*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**80.9**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (5-6)

A151005-08 (Soil)

Date Sampled
03/03/2015 11:00

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503009**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.35	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
PCB-1221	ND	0.19	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
PCB-1232	ND	0.13	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
PCB-1242	**68**	0.21	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	D
PCB-1248	ND	0.25	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
PCB-1254	ND	0.21	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
PCB-1260	ND	0.11	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	
Total PCBs	**68**	0.35	4.7	mg/kg dry	40	03/04/2015	03/06/2015 08:59	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 08:59*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 08:59*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503010**

% Solids	**85.2**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (6.8-7.8)

A151005-09 (Soil)

Date Sampled
03/03/2015 11:25

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	3.2	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
PCB-1221	ND	1.8	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
PCB-1232	ND	1.2	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
PCB-1242	**720**	1.9	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	D
PCB-1248	ND	2.3	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
PCB-1254	ND	1.9	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
PCB-1260	ND	1.0	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	
Total PCBs	**720**	3.2	44	mg/kg dry	400	03/04/2015	03/06/2015 14:38	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 14:38*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 14:38*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**91.7**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (9-10)

A151005-10 (Soil)

Date Sampled
03/03/2015 11:30

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503009**			
PCB-1016	ND	3.0	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
PCB-1221	ND	1.7	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
PCB-1232	ND	1.1	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
PCB-1242	**890**	1.8	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	D
PCB-1248	ND	2.2	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
PCB-1254	ND	1.8	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
PCB-1260	ND	0.98	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	
Total PCBs	**890**	3.0	41	mg/kg dry	400	03/04/2015	03/06/2015 15:04	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*59.1-127*		*03/04/2015*	*03/06/2015 15:04*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*77.4-119*		*03/04/2015*	*03/06/2015 15:04*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503010**			
% Solids	**98.1**		0.00	% by Weight	1	03/04/2015	03/05/2015 08:15	SM 2540B	

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ARCADIS	Project: Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager: Chris Kubacki

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503009 - EPA 3570										
Blank (A503009-BLK1)				Prepared: 03/04/2015 Analyzed: 03/06/2015 01:10						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.130*		*mg/kg wet*	*0.1584*		*82.2*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.113*		*mg/kg wet*	*0.1200*		*94.0*	*77.4-119*			
LCS (A503009-BS1)				Prepared: 03/04/2015 Analyzed: 03/06/2015 00:44						
PCB-1254	0.927	0.10	mg/kg wet	1.000		92.7	76.4-124			
Surrogate: Decachlorobiphenyl	*0.130*		*mg/kg wet*	*0.1584*		*81.9*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.120*		*mg/kg wet*	*0.1200*		*100*	*77.4-119*			
Matrix Spike (A503009-MS1)	**Source: A151002-02**			Prepared: 03/04/2015 Analyzed: 03/06/2015 02:28						
PCB-1242	798	61	mg/kg dry		906		61.9-148			M1, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1927*			*59.1-127*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1460*			*77.4-119*			*DO*
Matrix Spike Dup (A503009-MSD1)	**Source: A151002-02**			Prepared: 03/04/2015 Analyzed: 03/06/2015 02:55						
PCB-1242	720	61	mg/kg dry		906		61.9-148		20	M1, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1927*			*59.1-127*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1460*			*77.4-119*			*DO*

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503010 - % Solids										
Duplicate (A503010-DUP1)	**Source: A151002-01**		Prepared: 03/04/2015	Analyzed: 03/05/2015 08:15						
% Solids	82.3	0.00	% by Weight		84.2			2.28	20	
Batch A503015 - % Solids										
Duplicate (A503015-DUP1)	**Source: A151008-01**		Prepared: 03/06/2015	Analyzed: 03/07/2015 10:30						
% Solids	94.9	0.00	% by Weight		95.2			0.315	20	

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Milwaukee WI, 53202	Project Manager: Chris Kubacki

Notes and Definitions

M1	Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
DO	Diluted out.
D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
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Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151005

Mail Report To: Chris Kubacki
Company: ARCADIS
Address:
E-mail Address: chris.kubacki@arcadis-us.com
Invoice To:
Company:
Address:

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): Jay Read

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 6082	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-196 (1-2)	3/3/15	09:15	SO	1	X							01	
SB-196 (5-6)		09:25		1	X							02	
SB-196 (8-9)		09:30		1	X							03	
SB-196 (9-10)		09:35		1	X							04	
SB-196 (12-13)		09:40		1	X							05	
SB-196 (16.3-17.3)		10:00		1	X							06	
SB-201 (0.6-1.6)		10:50		1	X							07	
SB-201 (5-6)		11:00		1	X							08	
SB-201 (6.8-7.8)		11:25		1	X							09	
SB-201 (9-10)		11:30		1	X							10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
ARCADIS	3/3/15	1343		3/3/15	1343
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

Download this form at www.eccsmobilelab.com.

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Rev. 11/08

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March 11, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202

RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 03/04/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-198 (12-13)	A151008-01	Soil	03/03/2015	03/04/2015
Dup-2	A151008-02	Soil	03/03/2015	03/04/2015
SB-198 (16-17)	A151008-03	Soil	03/03/2015	03/04/2015
SB-198 (20.4-21.4)	A151008-04	Soil	03/03/2015	03/04/2015
SB-198 (22-23)	A151008-05	Soil	03/03/2015	03/04/2015
SB-202 (1-2)	A151008-06	Soil	03/04/2015	03/04/2015
SB-202 (4-5)	A151008-07	Soil	03/04/2015	03/04/2015
SB-202 (8-9)	A151008-08	Soil	03/04/2015	03/04/2015
SB-202 (10-10.6)	A151008-09	Soil	03/04/2015	03/04/2015
SB-202 (12-12.9)	A151008-10	Soil	03/04/2015	03/04/2015
SB-202 (16-17)	A151008-11	Soil	03/04/2015	03/04/2015
SB-202 (20-21)	A151008-12	Soil	03/04/2015	03/04/2015
SB-202 (22-23)	A151008-13	Soil	03/04/2015	03/04/2015
SB-202 (24.4-25.4)	A151008-14	Soil	03/04/2015	03/04/2015
SB-202 (28-28.7)	A151008-15	Soil	03/04/2015	03/04/2015
SB-197 (16.5-17.5)	A151008-16	Soil	03/04/2015	03/04/2015

CASE NARRATIVE

Sample Receipt Information:
16 samples were received on 3/4/2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (12-13)

A151008-01 (Soil)

Date Sampled
03/03/2015 13:55

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503014**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.31	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
PCB-1221	ND	0.17	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
PCB-1232	ND	0.12	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
PCB-1242	**63**	0.18	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	D
PCB-1248	ND	0.22	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
PCB-1254	ND	0.18	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
PCB-1260	ND	0.10	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	
Total PCBs	**63**	0.31	4.2	mg/kg dry	40	03/06/2015	03/09/2015 13:50	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/06/2015*	*03/09/2015 13:50*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/06/2015*	*03/09/2015 13:50*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503015**

% Solids	**95.2**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Dup-2

A151008-02 (Soil)

Date Sampled
03/03/2015 00:00

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503014**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.78	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
PCB-1221	ND	0.43	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
PCB-1232	ND	0.30	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
PCB-1242	**150**	0.46	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	D
PCB-1248	ND	0.56	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
PCB-1254	ND	0.46	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
PCB-1260	ND	0.25	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	
Total PCBs	**150**	0.78	11	mg/kg dry	100	03/06/2015	03/09/2015 14:15	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/06/2015*	*03/09/2015 14:15*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/06/2015*	*03/09/2015 14:15*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503015**

% Solids	**94.9**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (16-17)

A151008-03 (Soil)

Date Sampled
03/03/2015 14:15

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503014**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.81	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
PCB-1221	ND	0.45	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
PCB-1232	ND	0.31	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
PCB-1242	**220**	0.48	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	D
PCB-1248	ND	0.58	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
PCB-1254	ND	0.48	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
PCB-1260	ND	0.26	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	
Total PCBs	**220**	0.81	11	mg/kg dry	100	03/06/2015	03/09/2015 14:40	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/06/2015*	*03/09/2015 14:40*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/06/2015*	*03/09/2015 14:40*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503015**

% Solids	**91.2**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (20.4-21.4)

A151008-04 (Soil)

Date Sampled
03/03/2015 14:40

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.80	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
PCB-1221	ND	0.44	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
PCB-1232	ND	0.30	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
PCB-1242	**220**	0.47	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	D
PCB-1248	ND	0.57	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
PCB-1254	ND	0.47	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
PCB-1260	ND	0.26	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	
Total PCBs	**220**	0.80	11	mg/kg dry	100	03/06/2015	03/09/2015 15:05	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/06/2015*	*03/09/2015 15:05*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/06/2015*	*03/09/2015 15:05*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**93.1**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-198 (22-23)

A151008-05 (Soil)

Date Sampled
03/03/2015 14:45

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0084	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
PCB-1221	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
PCB-1232	ND	0.0032	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
PCB-1242	**0.052**	0.0050	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	J
PCB-1248	ND	0.0060	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
PCB-1254	ND	0.0050	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
PCB-1260	ND	0.0027	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	
Total PCBs	**0.052**	0.0084	0.11	mg/kg dry	1	03/06/2015	03/09/2015 16:20	EPA 8082A	J
Surrogate: Decachlorobiphenyl			*109 %*	*66.3-138*		*03/06/2015*	*03/09/2015 16:20*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*103 %*	*61.6-142*		*03/06/2015*	*03/09/2015 16:20*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**87.8**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (1-2)

A151008-06 (Soil)

Date Sampled
03/04/2015 11:00

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0088	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
PCB-1221	ND	0.0049	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
PCB-1232	ND	0.0033	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
PCB-1242	**0.052**	0.0052	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	J
PCB-1248	ND	0.0063	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
PCB-1254	ND	0.0052	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
PCB-1260	ND	0.0029	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	
Total PCBs	**0.052**	0.0088	0.12	mg/kg dry	1	03/06/2015	03/09/2015 18:26	EPA 8082A	J
Surrogate: Decachlorobiphenyl			*112 %*	*66.3-138*		*03/06/2015*	*03/09/2015 18:26*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*107 %*	*61.6-142*		*03/06/2015*	*03/09/2015 18:26*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**84.0**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (4-5)

A151008-07 (Soil)

Date Sampled
03/04/2015 11:05

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0093	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1221	ND	0.0052	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1232	ND	0.0035	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1242	**0.68**	0.0055	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1248	ND	0.0067	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1254	ND	0.0055	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
PCB-1260	ND	0.0030	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
Total PCBs	**0.68**	0.0093	0.13	mg/kg dry	1	03/06/2015	03/09/2015 18:51	EPA 8082A	
Surrogate: Decachlorobiphenyl			*99.5 %*	*66.3-138*		*03/06/2015*	*03/09/2015 18:51*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*98.7 %*	*61.6-142*		*03/06/2015*	*03/09/2015 18:51*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**79.6**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (8-9)

A151008-08 (Soil)

Date Sampled
03/04/2015 11:10

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503014**		
PCB-1016	ND	0.0082	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
PCB-1221	ND	0.0045	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
PCB-1232	ND	0.0031	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
PCB-1242	**0.011**	0.0049	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	J
PCB-1248	ND	0.0059	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
PCB-1254	ND	0.0049	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
PCB-1260	ND	0.0027	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	
Total PCBs	**0.011**	0.0082	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:16	EPA 8082A	J
Surrogate: Decachlorobiphenyl			*104 %*	*66.3-138*		*03/06/2015*	*03/09/2015 19:16*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*105 %*	*61.6-142*		*03/06/2015*	*03/09/2015 19:16*	*EPA 8082A*	
Classical Chemistry Parameters							**Preparation Batch: A503015**		
% Solids	**90.2**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (10-10.6)

A151008-09 (Soil)

Date Sampled
03/04/2015 11:20

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0079	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
PCB-1221	ND	0.0044	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
PCB-1242	**0.025**	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	J
PCB-1248	ND	0.0056	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
PCB-1260	ND	0.0026	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	
Total PCBs	**0.025**	0.0079	0.11	mg/kg dry	1	03/06/2015	03/09/2015 19:41	EPA 8082A	J
Surrogate: Decachlorobiphenyl			*102 %*	*66.3-138*		*03/06/2015*	*03/09/2015 19:41*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*103 %*	*61.6-142*		*03/06/2015*	*03/09/2015 19:41*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**94.1**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (12-12.9)

A151008-10 (Soil)

Date Sampled
03/04/2015 11:25

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0078	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1221	ND	0.0043	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1242	ND	0.0046	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1248	ND	0.0056	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1254	ND	0.0046	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
PCB-1260	ND	0.0025	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
Total PCBs	ND	0.0078	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:06	EPA 8082A	
Surrogate: Decachlorobiphenyl			*110 %*	*66.3-138*		*03/06/2015*	*03/09/2015 20:06*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*107 %*	*61.6-142*		*03/06/2015*	*03/09/2015 20:06*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**94.7**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (16-17)

A151008-11 (Soil)

Date Sampled
03/04/2015 11:30

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0078	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1221	ND	0.0043	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1242	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1248	ND	0.0056	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
PCB-1260	ND	0.0025	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
Total PCBs	ND	0.0078	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:31	EPA 8082A	
Surrogate: Decachlorobiphenyl			*107 %*	*66.3-138*		*03/06/2015*	*03/09/2015 20:31*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*102 %*	*61.6-142*		*03/06/2015*	*03/09/2015 20:31*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**94.3**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (20-21)

A151008-12 (Soil)

Date Sampled
03/04/2015 11:40

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0079	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1221	ND	0.0044	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1242	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1248	ND	0.0057	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
PCB-1260	ND	0.0026	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
Total PCBs	ND	0.0079	0.11	mg/kg dry	1	03/06/2015	03/09/2015 20:56	EPA 8082A	
Surrogate: Decachlorobiphenyl			*94.9 %*	*66.3-138*		*03/06/2015*	*03/09/2015 20:56*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*95.1 %*	*61.6-142*		*03/06/2015*	*03/09/2015 20:56*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**93.5**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (22-23)

A151008-13 (Soil)

Date Sampled
03/04/2015 11:50

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0082	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1221	ND	0.0045	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1232	ND	0.0031	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1242	ND	0.0049	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1248	ND	0.0058	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1254	ND	0.0049	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
PCB-1260	ND	0.0026	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
Total PCBs	ND	0.0082	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:21	EPA 8082A	
Surrogate: Decachlorobiphenyl			*91.4 %*	*66.3-138*		*03/06/2015*	*03/09/2015 21:21*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*103 %*	*61.6-142*		*03/06/2015*	*03/09/2015 21:21*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**90.6**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (24.4-25.4)

A151008-14 (Soil)

Date Sampled
03/04/2015 12:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0080	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1221	ND	0.0044	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1242	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1248	ND	0.0057	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
PCB-1260	ND	0.0026	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
Total PCBs	ND	0.0080	0.11	mg/kg dry	1	03/06/2015	03/09/2015 21:46	EPA 8082A	
Surrogate: Decachlorobiphenyl			*94.7 %*	*66.3-138*		*03/06/2015*	*03/09/2015 21:46*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*105 %*	*61.6-142*		*03/06/2015*	*03/09/2015 21:46*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**92.7**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-202 (28-28.7)

A151008-15 (Soil)

Date Sampled
03/04/2015 12:10

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	0.0080	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1221	ND	0.0044	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1242	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1248	ND	0.0057	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
PCB-1260	ND	0.0026	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
Total PCBs	ND	0.0080	0.11	mg/kg dry	1	03/06/2015	03/09/2015 22:11	EPA 8082A	
Surrogate: Decachlorobiphenyl			*86.8 %*	*66.3-138*		*03/06/2015*	*03/09/2015 22:11*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*97.4 %*	*61.6-142*		*03/06/2015*	*03/09/2015 22:11*	*EPA 8082A*	
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**92.9**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (16.5-17.5)

A151008-16 (Soil)

Date Sampled
03/04/2015 13:55

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503014**			
PCB-1016	ND	3.1	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
PCB-1221	ND	1.7	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
PCB-1232	ND	1.2	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
PCB-1242	**890**	1.8	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	D
PCB-1248	ND	2.2	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
PCB-1254	ND	1.8	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
PCB-1260	ND	1.0	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	
Total PCBs	**890**	3.1	42	mg/kg dry	400	03/06/2015	03/09/2015 13:25	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/06/2015*	*03/09/2015 13:25*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/06/2015*	*03/09/2015 13:25*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503015**			
% Solids	**96.3**		0.00	% by Weight	1	03/06/2015	03/07/2015 10:30	SM 2540B	

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ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503014 - EPA 3570										
Blank (A503014-BLK1)				Prepared: 03/06/2015 Analyzed: 03/09/2015 13:00						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.104*		*mg/kg wet*	*0.1200*		*86.6*	*66.3-138*			
Surrogate: Tetrachloro-meta-xylene	*0.123*		*mg/kg wet*	*0.1200*		*103*	*61.6-142*			
LCS (A503014-BS1)				Prepared: 03/06/2015 Analyzed: 03/09/2015 12:35						
PCB-1254	0.935	0.10	mg/kg wet	1.000		93.5	74-128			
Surrogate: Decachlorobiphenyl	*0.105*		*mg/kg wet*	*0.1200*		*87.9*	*66.3-138*			
Surrogate: Tetrachloro-meta-xylene	*0.125*		*mg/kg wet*	*0.1200*		*104*	*61.6-142*			
Matrix Spike (A503014-MS1)	**Source: A151008-03**			Prepared: 03/06/2015 Analyzed: 03/09/2015 15:30						
PCB-1242	209	11	mg/kg dry		222		61.9-148			M1, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1316*			*66.3-138*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1316*			*61.6-142*			*DO*
Matrix Spike Dup (A503014-MSD1)	**Source: A151008-03**			Prepared: 03/06/2015 Analyzed: 03/09/2015 15:55						
PCB-1242	158	11	mg/kg dry		222		61.9-148		20	M1, X, D
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1316*			*66.3-138*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1316*			*61.6-142*			*DO*

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503015 - % Solids										
Duplicate (A503015-DUP1)	**Source: A151008-01**		Prepared: 03/06/2015 Analyzed: 03/07/2015 10:30							
% Solids	94.9	0.00	% by Weight		95.2			0.315	20	

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ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

Notes and Definitions

X	Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
M1	Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
J	Analyte was detected but is below the reporting limit. The concentration is estimated.
DO	Diluted out.
D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151008

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): J. Read

Mail Report To: Chris Kubacki
Company: ARCADIS
Address:
E-mail Address: chris.kubacki@arcadis-us.com
Invoice To: " "
Company:
Address:

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 6082	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-198 (12-13)	3/3/15	13:55	SO	1	X							01	
DUP-2	↓			1	X						Duplicate	02	
SB-198 (16-17)		14:15		2	X						MS/MSD	03	
SB-198 (20.4-21.4)		14:40		1	X							04	
SB-198 (22-23)	↓	14:45		1	X							05	
SB-202 (1-2)	3/4/15	11:00		1	X							06	
SB-202 (4-5)	↓	11:05		1	X							07	
SB-202 (8-9)		11:10		1	X							08	
SB-202 (10-10.6)		11:20		1	X							09	
SB-202 (12-12.9)	↓	11:25		1	X							10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date: 3/4/15	Time: 1509	Received By:
Relinquished By:	Date:	Time:	Received By:

Received By: Date: 3/4 Time: 1509
Received By: Date: Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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Rev. 11/08

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151008

Mail Report To: Chris Kubacki
Company: ARCADIS
Address:
E-mail Address: chris_kubacki@arcadis-us.com
Invoice To: " "
Company:
Address:

Project Number: W2001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): J. Read

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 6082	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-202 (16-17)	3/4/15	11:30	SO	1	X							11	
SB-202 (20-21)		11:40		1	X							12	
SB-202 (22-23)		11:50		1	X							13	
SB-202 (24.4-25.4		12:05		1	X							14	
SB-202 (28-28.7)		12:10		1	X							15	
SB-197 (16.5-17.5)		13:55		1	X	X						16	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	3/4/15	15:05		3/4	1505
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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March 12, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202

RE: Madison Kipp - Madison, WI

Enclosed are revised analytical results for the samples received by the laboratory on 03/05/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Ac	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-201 (12-13)	A151011-01	Soil	03/04/2015	03/05/2015
SB-201 (16-17)	A151011-02	Soil	03/04/2015	03/05/2015
SB-200 (1-2)	A151011-03	Soil	03/05/2015	03/05/2015
SB-200 (5.2-6.2)	A151011-04	Soil	03/05/2015	03/05/2015
SB-200 (6.9-7.9)	A151011-05	Soil	03/05/2015	03/05/2015
SB-200 (10.8-11.8)	A151011-06	Soil	03/05/2015	03/05/2015
SB-200 (13-14)	A151011-07	Soil	03/05/2015	03/05/2015
SB-200 (16-17)	A151011-08	Soil	03/05/2015	03/05/2015
SB-200 (18-19)	A151011-09	Soil	03/05/2015	03/05/2015
Dup-3	A151011-10	Soil	03/05/2015	03/05/2015
SB-200 (22.5-23.5)	A151011-11	Soil	03/05/2015	03/05/2015
SB-199 (1.2-2.2)	A151011-12	Soil	03/05/2015	03/05/2015
SB-199 (5-6)	A151011-13	Soil	03/05/2015	03/05/2015
SB-199 (6.3-7.3)	A151011-14	Soil	03/05/2015	03/05/2015
SB-199 (9.9-10.9)	A151011-15	Soil	03/05/2015	03/05/2015
SB-199 (12-13)	A151011-16	Soil	03/05/2015	03/05/2015
SB-199 (16-17)	A151011-17	Soil	03/05/2015	03/05/2015
SB-199 (17.7-18.7)	A151011-18	Soil	03/05/2015	03/05/2015

CASE NARRATIVE

Sample Receipt Information:
18 samples were received on 3/5/2015. Samples were received at 0.8 degrees Celsius. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

Reason for Revised Report

This report was revised to remove the reported surrogate recoveries for sample A151011-03. Surrogates are not reported for samples analyzed at an intial dilution of greater than 1:10 and are qualified as diluted out. This report should replace "A151011 FINAL 03 12 2015 1139".

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (12-13)

A151011-01 (Soil)

Date Sampled
03/04/2015 15:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	7.7	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
PCB-1221	ND	4.3	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
PCB-1232	ND	2.9	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
PCB-1242	**1300**	4.6	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	D
PCB-1248	ND	5.5	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
PCB-1254	ND	4.6	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
PCB-1260	ND	2.5	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	
Total PCBs	**1300**	7.7	100	mg/kg dry	1000	03/09/2015	03/10/2015 13:56	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 13:56*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 13:56*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**96.4**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-201 (16-17)

A151011-02 (Soil)

Date Sampled
03/04/2015 15:25

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	8.3	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
PCB-1221	ND	4.6	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
PCB-1232	ND	3.1	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
PCB-1242	**2900**	4.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	D
PCB-1248	ND	5.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
PCB-1254	ND	4.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
PCB-1260	ND	2.7	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	
Total PCBs	**2900**	8.3	110	mg/kg dry	1000	03/09/2015	03/10/2015 14:21	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 14:21*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 14:21*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**89.5**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (1-2)

A151011-03 (Soil)

Date Sampled
03/05/2015 09:15

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503027**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	1.8	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
PCB-1221	ND	0.99	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
PCB-1232	ND	0.67	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
PCB-1242	ND	1.1	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
PCB-1248	**210**	1.3	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	D
PCB-1254	ND	1.1	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
PCB-1260	ND	0.58	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	
Total PCBs	**210**	1.8	24	mg/kg dry	200	03/09/2015	03/10/2015 15:13	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 15:13*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 15:13*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503026**

% Solids	**83.0**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (5.2-6.2)

A151011-04 (Soil)

Date Sampled
03/05/2015 09:20

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503027**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	1.7	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
PCB-1221	ND	0.93	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
PCB-1232	ND	0.64	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
PCB-1242	ND	1.0	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
PCB-1248	**200**	1.2	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	D
PCB-1254	ND	1.0	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
PCB-1260	ND	0.55	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	
Total PCBs	**200**	1.7	23	mg/kg dry	200	03/09/2015	03/10/2015 17:22	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 17:22*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 17:22*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503026**

% Solids	**87.8**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (6.9-7.9)

A151011-05 (Soil)

Date Sampled
03/05/2015 09:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	3.1	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
PCB-1221	ND	1.7	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
PCB-1232	ND	1.2	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
PCB-1242	**910**	1.8	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	D
PCB-1248	ND	2.2	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
PCB-1254	ND	1.8	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
PCB-1260	ND	1.0	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	
Total PCBs	**910**	3.1	42	mg/kg dry	400	03/09/2015	03/10/2015 17:47	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 17:47*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 17:47*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**95.5**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (10.8-11.8)

A151011-06 (Soil)

Date Sampled
03/05/2015 09:35

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	0.30	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
PCB-1221	ND	0.17	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
PCB-1232	ND	0.11	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
PCB-1242	**97**	0.18	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	D
PCB-1248	ND	0.22	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
PCB-1254	ND	0.18	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
PCB-1260	ND	0.098	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	
Total PCBs	**97**	0.30	4.1	mg/kg dry	40	03/09/2015	03/10/2015 13:06	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 13:06*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 13:06*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**97.5**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (13-14)

A151011-07 (Soil)

Date Sampled
03/05/2015 10:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	7.7	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
PCB-1221	ND	4.3	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
PCB-1232	ND	2.9	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
PCB-1242	**1500**	4.6	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	D
PCB-1248	ND	5.5	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
PCB-1254	ND	4.6	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
PCB-1260	ND	2.5	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	
Total PCBs	**1500**	7.7	100	mg/kg dry	1000	03/09/2015	03/10/2015 18:12	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 18:12*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 18:12*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**96.1**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (16-17)

A151011-08 (Soil)

Date Sampled
03/05/2015 10:10

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	8.3	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
PCB-1221	ND	4.6	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
PCB-1232	ND	3.1	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
PCB-1242	**1700**	4.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	D
PCB-1248	ND	5.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
PCB-1254	ND	4.9	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
PCB-1260	ND	2.7	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	
Total PCBs	**1700**	8.3	110	mg/kg dry	1000	03/09/2015	03/10/2015 19:27	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 19:27*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 19:27*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**89.6**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (18-19)

A151011-09 (Soil)

Date Sampled
03/05/2015 10:20

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	0.0078	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1221	ND	0.0043	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1232	ND	0.0029	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1242	**1.0**	0.0046	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1248	ND	0.0056	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1254	ND	0.0046	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
PCB-1260	ND	0.0025	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
Total PCBs	**1.0**	0.0078	0.11	mg/kg dry	1	03/09/2015	03/10/2015 11:51	EPA 8082A	
Surrogate: Decachlorobiphenyl			*99.2 %*	*66.3-138*		*03/09/2015*	*03/10/2015 11:51*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*99.1 %*	*61.6-142*		*03/09/2015*	*03/10/2015 11:51*	*EPA 8082A*	
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**94.9**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Dup-3

A151011-10 (Soil)

Date Sampled
03/05/2015 00:00

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503027**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0078	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1221	ND	0.0043	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1232	ND	0.0030	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1242	**1.7**	0.0047	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1248	ND	0.0056	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1254	ND	0.0047	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
PCB-1260	ND	0.0025	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
Total PCBs	**1.7**	0.0078	0.11	mg/kg dry	1	03/09/2015	03/10/2015 12:16	EPA 8082A	
Surrogate: Decachlorobiphenyl			*103 %*	*66.3-138*		*03/09/2015*	*03/10/2015 12:16*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*98.2 %*	*61.6-142*		*03/09/2015*	*03/10/2015 12:16*	*EPA 8082A*	

Classical Chemistry Parameters — **Preparation Batch: A503026**

% Solids	**94.6**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-200 (22.5-23.5)

A151011-11 (Soil)

Date Sampled
03/05/2015 10:30

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	1.6	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
PCB-1221	ND	0.87	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
PCB-1232	ND	0.59	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
PCB-1242	**360**	0.93	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	D
PCB-1248	ND	1.1	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
PCB-1254	ND	0.93	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
PCB-1260	ND	0.51	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	
Total PCBs	**360**	1.6	21	mg/kg dry	200	03/09/2015	03/10/2015 19:52	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 19:52*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 19:52*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**94.8**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (1.2-2.2)

A151011-12 (Soil)

Date Sampled
03/05/2015 10:50

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503027**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	18	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
PCB-1221	ND	10	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
PCB-1232	ND	6.8	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
PCB-1242	**4500**	11	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	D
PCB-1248	ND	13	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
PCB-1254	ND	11	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
PCB-1260	ND	5.8	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	
Total PCBs	**4500**	18	240	mg/kg dry	2000	03/09/2015	03/10/2015 20:17	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 20:17*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 20:17*	*EPA 8082A*	*DO*

Classical Chemistry Parameters — **Preparation Batch: A503026**

% Solids	**82.1**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (5-6)

A151011-13 (Soil)

Date Sampled
03/05/2015 10:55

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	8.9	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
PCB-1221	ND	4.9	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
PCB-1232	ND	3.4	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
PCB-1242	**1500**	5.3	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	D
PCB-1248	ND	6.4	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
PCB-1254	ND	5.3	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
PCB-1260	ND	2.9	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	
Total PCBs	**1500**	8.9	120	mg/kg dry	1000	03/09/2015	03/10/2015 20:42	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 20:42*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 20:42*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**83.1**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (6.3-7.3)

A151011-14 (Soil)

Date Sampled
03/05/2015 11:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	8.0	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
PCB-1221	ND	4.4	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
PCB-1232	ND	3.0	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
PCB-1242	**1500**	4.8	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	D
PCB-1248	ND	5.8	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
PCB-1254	ND	4.8	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
PCB-1260	ND	2.6	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	
Total PCBs	**1500**	8.0	110	mg/kg dry	1000	03/09/2015	03/10/2015 21:07	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 21:07*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 21:07*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**92.2**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (9.9-10.9)

A151011-15 (Soil)

Date Sampled
03/05/2015 11:15

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	16	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
PCB-1221	ND	8.7	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
PCB-1232	ND	5.9	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
PCB-1242	**4600**	9.3	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	D
PCB-1248	ND	11	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
PCB-1254	ND	9.3	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
PCB-1260	ND	5.1	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	
Total PCBs	**4600**	16	210	mg/kg dry	2000	03/09/2015	03/10/2015 23:13	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 23:13*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 23:13*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**94.6**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (12-13)

A151011-16 (Soil)

Date Sampled
03/05/2015 14:55

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A503027**			
PCB-1016	ND	0.66	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
PCB-1221	ND	0.36	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
PCB-1232	ND	0.25	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
PCB-1242	**120**	0.39	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	D
PCB-1248	ND	0.47	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
PCB-1254	ND	0.39	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
PCB-1260	ND	0.21	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	
Total PCBs	**120**	0.66	8.9	mg/kg dry	80	03/09/2015	03/10/2015 13:31	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 13:31*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 13:31*	*EPA 8082A*	*DO*
Classical Chemistry Parameters						**Preparation Batch: A503026**			
% Solids	**89.9**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (16-17)

A151011-17 (Soil)

Date Sampled
03/05/2015 15:10

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	1.6	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
PCB-1221	ND	0.88	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
PCB-1232	ND	0.60	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
PCB-1242	**410**	0.95	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	D
PCB-1248	ND	1.1	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
PCB-1254	ND	0.95	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
PCB-1260	ND	0.52	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	
Total PCBs	**410**	1.6	22	mg/kg dry	200	03/09/2015	03/10/2015 23:38	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*%*	*66.3-138*		*03/09/2015*	*03/10/2015 23:38*	*EPA 8082A*	*DO*
Surrogate: Tetrachloro-meta-xylene			*%*	*61.6-142*		*03/09/2015*	*03/10/2015 23:38*	*EPA 8082A*	*DO*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**92.7**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (17.7-18.7)

A151011-18 (Soil)

Date Sampled
03/05/2015 15:15

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch: A503027**		
PCB-1016	ND	0.016	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
PCB-1221	ND	0.0086	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
PCB-1232	ND	0.0059	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
PCB-1242	**3.5**	0.0092	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	D
PCB-1248	ND	0.011	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
PCB-1254	ND	0.0092	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
PCB-1260	ND	0.0050	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	
Total PCBs	**3.5**	0.016	0.21	mg/kg dry	2	03/09/2015	03/10/2015 12:41	EPA 8082A	D
Surrogate: Decachlorobiphenyl			*83.3 %*	*66.3-138*		*03/09/2015*	*03/10/2015 12:41*	*EPA 8082A*	*D*
Surrogate: Tetrachloro-meta-xylene			*99.0 %*	*61.6-142*		*03/09/2015*	*03/10/2015 12:41*	*EPA 8082A*	*D*
Classical Chemistry Parameters							**Preparation Batch: A503026**		
% Solids	**95.2**		0.00	% by Weight	1	03/09/2015	03/11/2015 09:00	SM 2540B	

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ARCADIS	Project: Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number: W1001368
Milwaukee WI, 53202	Project Manager: Chris Kubacki

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503027 - EPA 3570										
Blank (A503027-BLK1)				Prepared: 03/09/2015 Analyzed: 03/10/2015 11:26						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.113*		*mg/kg wet*	*0.1200*		*94.0*	*66.3-138*			
Surrogate: Tetrachloro-meta-xylene	*0.110*		*mg/kg wet*	*0.1200*		*91.6*	*61.6-142*			
LCS (A503027-BS1)				Prepared: 03/09/2015 Analyzed: 03/10/2015 11:01						
PCB-1254	0.890	0.10	mg/kg wet	1.000		89.0	74-128			
Surrogate: Decachlorobiphenyl	*0.105*		*mg/kg wet*	*0.1200*		*87.3*	*66.3-138*			
Surrogate: Tetrachloro-meta-xylene	*0.104*		*mg/kg wet*	*0.1200*		*86.9*	*61.6-142*			
Matrix Spike (A503027-MS1)	**Source: A151011-07**			Prepared: 03/09/2015 Analyzed: 03/10/2015 18:37						
PCB-1242	1510	100	mg/kg dry		1530		61.9-148			D
PCB-1254	ND	100	mg/kg dry	1.040	ND		50.3-155			DO, M1
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1249*			*66.3-138*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1249*			*61.6-142*			*DO*
Matrix Spike Dup (A503027-MSD1)	**Source: A151011-07**			Prepared: 03/09/2015 Analyzed: 03/10/2015 19:02						
PCB-1242	1480	100	mg/kg dry		1530		61.9-148		20	D
PCB-1254	ND	100	mg/kg dry	1.040	ND		50.3-155		20	DO, M1
Surrogate: Decachlorobiphenyl	*ND*		*mg/kg dry*	*0.1249*			*66.3-138*			*DO*
Surrogate: Tetrachloro-meta-xylene	*ND*		*mg/kg dry*	*0.1249*			*61.6-142*			*DO*

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503026 - % Solids										
Duplicate (A503026-DUP1)	**Source: A151011-07**		Prepared: 03/09/2015	Analyzed: 03/11/2015 09:00						
% Solids	95.5	0.00	% by Weight		96.1			0.613	20	

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Revised Report

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Notes and Definitions

M1	Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
DO	Diluted out.
D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151011

Mail Report To: Chris Kubachi
Company: ARCADIS
Address: Milwaukee
E-mail Address: chris.kubachi@arcadis-us.com
Invoice To: " "
Company:
Address:

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): J. Read

Analyses Requested / Preservation Codes: A, A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 608.2	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-201 (12-13)	3/4/15	15:05	SO	1	X							01	
SB-201 (16-17)	3/4/15	15:25		1	X							02	
SB-200 (1-2)	3/5/15	0915		1	X							03	
SB-200 (5.2-6.2)		0920		1	X							04	
SB-200 (6.9-7.9)		0930		1	X							05	
SB-200 (10.8-11.8)		0935		1	X							06	
SB-200 (13-14) MS/MSD		10:00		2	X						MS/MSD	07	
SB-200 (16-17)		10:10		1	X							08	
SB-200 (18-19)		10:20		1	X							09	
DUP-3		–		1	X						Duplicate	10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/5/15	1623	[signature]	3/5	1623

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Pick-up
Receipt Temp: 0.8°C SIN 130492013
Temp Blank (Y) N EXP. 08-09-15

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Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151011

Mail Report To: Chris Kubacki
Company: ARCADIS
Address: Milwaukee
E-mail Address: chris.kubacki@arcadis-us.com

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): J. Read

Invoice To:
Company:
Address:

Analyses Requested / Preservation Codes: A, A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 608	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-200 (22.5-23.5)	3/5/15	10:30	SO	1	X							11	
SB-199 (1.2-2.2)	↓	10:50	↓	1	X	X					hold homolog	12	
SB-199 (5-6)	↓	10:55	↓	1	X	X					↓	13	
SB-199 (6.3-7.3)	↓	11:05	↓	1	X	X					↓	14	
SB-199 (9.9-10.9)	↓	11:15	↓	1	X	X					↓	15	
SB-199 (12-13)	↓	14:55	↓	1	X	X					↓	16	
SB-199 (16-17)	↓	15:10	↓	1	X	X					↓	17	
SB-199 (17.7-18.7)	↓	15:15	↓	1	X	X					↓	18	
												~~19~~	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/5/15	1623	[signature]	3/15	1623
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Pick-up
Receipt Temp: 0.8°C
Temp Blank (Y) N

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Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

March 31, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202

RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 03/17/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Ac	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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ARCADIS		Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400		Project Number:	W1001368
Milwaukee WI, 53202		Project Manager:	Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-197 (14-15)	A151210-01	Soil	03/02/2015	03/17/2015
SB-199 (9.9-10.9)	A151210-02	Soil	03/05/2015	03/17/2015

CASE NARRATIVE

Sample Receipt Information:
PCB homolog analysis was added to the samples in this work order on March 17, 2015 by client via email. Samples were removed from the refridgerator and re-logged in on this work order. Samples were originally received on March 2, 2015 and March 5, 2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-197 (14-15)

A151210-01 (Soil)

Date Sampled
03/02/2015 15:05

ALS Group USA, Corp-NY

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
160.3 Modified					**Preparation Batch: NA**			
Solids, Total	**93.8**	1	%	1		03/19/2015 14:04	160.3 Modified	
680					**Preparation Batch: 231550**			
Decachlorobiphenyls, Total	ND	110000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Dichlorobiphenyls, Total	**360000**	21000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Heptachlorobiphenyls, Total	ND	64000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Hexachlorobiphenyls, Total	ND	43000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Monochlorobiphenyls, Total	ND	21000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Nonachlorobiphenyls, Total	ND	85000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Octachlorobiphenyls, Total	ND	64000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Pentachlorobiphenyls, Total	**190000**	43000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Tetrachlorobiphenyls, Total	**1100000**	43000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	
Trichlorobiphenyls, Total	**920000**	21000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:00	680	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

SB-199 (9.9-10.9)

A151210-02 (Soil)

Date Sampled
03/05/2015 11:15

ALS Group USA, Corp-NY

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
160.3 Modified					**Preparation Batch: NA**			
Solids, Total	**96.7**	1	%	1		03/19/2015 14:04	160.3 Modified	
680					**Preparation Batch: 231550**			
Decachlorobiphenyls, Total	ND	100000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Dichlorobiphenyls, Total	**350000**	20000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Heptachlorobiphenyls, Total	ND	62000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Hexachlorobiphenyls, Total	ND	42000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Monochlorobiphenyls, Total	ND	20000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Nonachlorobiphenyls, Total	ND	83000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Octachlorobiphenyls, Total	ND	62000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Pentachlorobiphenyls, Total	**210000**	42000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Tetrachlorobiphenyls, Total	**1200000**	42000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	
Trichlorobiphenyls, Total	**880000**	20000	ug/Kg dry	2000	03/19/2015	03/20/2015 11:30	680	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

EST. 1991

CHAIN OF CUSTODY

A151210

Lab Work Order #: ~~A151002~~ Kate

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): Jay Reed

Analyses Requested / Preservation Codes

Mail Report To: Chris Kubacki
Company: ARCADIS
Address:
E-mail Address: chris.kubacki@arcadis-us.com
Invoice To: " "
Company:
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 6082	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-198 (1-2)	3/2/15	13:30	SO	1	X							01	
SB-198 (4-5)	3/2/15	13:40	SO	2	X						MS/MSD	02	
DUP-1	3/2/15	-	SO	1	X						Duplicate	03	
SB-198 (7-8)	3/2/15	13:50	SO	1	X							04	
SB-198 (9-10)	3/2/15	14:00	SO	1	X							05	
SB-197 (2-3)	3/2/15	14:30	SO	1	X	X					per client HOLD	06	
SB-197 (5-6)	3/2/15	14:40	SO	1	X	X					HOMOLOG	07	
SB-197 (6-7)	3/2/15	14:50	SO	1	X	X						08	
SB-197 (9-10)	3/2/15	14:55	SO	1	X	X						09	
SB-197 (14-15)	3/2/15	15:05	SO	1	X	X					Release for Homolog 3/17/15	~~10~~	01

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Relinquished By: ARCADIS Date: 3/2/15 Time: 1552
Relinquished By: Date: Time:
Received By: Kim-Ann Kellin Date: 3/2/15 Time: 1552
Received By: Date: Time:

Matrix Codes
A=Air S=Soil W=Water O=Other

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: hand del.
Receipt Temp:
Temp Blank Y N on ice

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2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

A151210

Lab Work Order #: ~~A151011~~

Mail Report To: Chris Kubacki
Company: ARCADIS
Address: Milwaukee
E-mail Address: chris.kubacki@arcadis-us.com

Project Number: WI001368
Project Name: Madison Kipp
Project Location: Madison, WI

Analyses Requested / Preservation Codes: A, A

Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): J. Read

Invoice To:
Company:
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs 608	PCBs homolog					Comments	Lab ID	Lab Receipt Time
SB-200 (22.5-23.5)	3/5/15	10:30	SO	1	X							11	
SB-199 (1.2-2.2)		10:50		1	X	X					hold homolog	12	
SB-199 (5-6)		10:55		1	X	X						13	
SB-199 (6.3-7.3)		11:05		1	X	X						14	
SB-199 (9.9-10.9)		11:15		1	X	X					Released for Homolog 3/17/15	~~15~~	02
SB-199 (12-13)		14:55		1	X	X						16	
SB-199 (16-17)		15:10		1	X	X						17	
SB-199 (17.7-18.7)		1515		1	X	X						18	
												~~19~~	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date: 3/5/15	Time: 1623	Received By:
Relinquished By:	Date:	Time:	Received By:

Date: 3/15 Time: 1623

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Pick-up

Receipt Temp: 0.8°C
Temp Blank (Y) N

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ALS Environmental
ALS Group USA, Corp
1565 Jefferson Rd, Building 300, Suite 360
Rochester, NY 14623
T: 585-288-5380
F: 585-288-8475
www.alsglobal.com

March 25, 2015

Analytical Report for Service Request No: R1501887

Ms. Jessica Esser
ECCS Nationwide Mobile Laboratories
2525 Advance Road
Madison, WI 53718

Laboratory Results for: Madison Kipp - Madison WI

Dear Ms. Esser:

Enclosed are the results of the sample(s) submitted to our laboratory on March 18, 2015. For your reference, these analyses have been assigned our service request number **R1501887**.

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

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ALS Environmental

Client:	ECCS Nationwide Mobile Laboratories
Service Request No.:	R1501887
Project:	Madison Kipp
Date Received:	3/18/15
Sample Matrix:	Soil
Project/Case No.:	

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Control Sample (LCS).

Sample Receipt

Soil samples were received for analysis at ALS Environmental on 3/18/15. The samples were received in good condition and consistent with the accompanying chain of custody form. All sampling activities performed by ALS personnel have been in accordance with "ALS Field Procedures and Measurements Manual" or by client specifications. The samples were stored in a refrigerator between 1°C and 6°C upon receipt at the laboratory.

Homologues

Two soil samples were analyzed for Homologues by method 680.

All initial and continuing calibration criteria were met for all analytes.

All Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) recoveries were within limits.

A151210-01 was received outside the recommended holding time of 14 days as noted by the "*". The sample was extracted as soon as possible upon receipt.

Site specific QC was not requested for these samples.

All surrogate standard recoveries were diluted out and have been flagged with a "D".

The Method blanks associated with these samples were free of contamination except for a low level detection for Dichlorobiphenyls. No data was affected.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1501887

Lab ID	Client ID
R1501887-001	A151210-01
R1501887-002	A151210-02

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

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

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

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

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

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

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

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

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

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

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

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

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

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

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

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

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

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

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	3/ 2/15 1505
Sample Matrix:	Soil	**Date Received:**	3/18/15
Sample Name:	A151210-01		
Lab Code:	R1501887-001	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**93.8**		Percent	1.0	1	NA	3/19/15 14:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	3/ 2/15 1505
Sample Matrix:	Soil	**Date Received:**	3/18/15
		Date Extracted:	3/19/15
		Date Analyzed:	3/20/15 11:00
Sample Name:	A151210-01	**Units:**	µg/Kg
Lab Code:	R1501887-001	**Basis:**	Dry
		Percent Solids:	93.8

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method:	680	**Analysis Lot:**	437114
Prep Method:	EPA 3541	**Extraction Lot:**	231550
Data File Name:	I:\ACQUDATA\5973B\DATA\032015\DK783.D\	**Instrument Name:**	R-MS-52
		Dilution Factor:	2000

CAS No.	Analyte Name	Result	Q	MRL	Note
27323-18-8	Monochlorobiphenyls, Total	21000	U	21000	*
25512-42-9	Dichlorobiphenyls, Total	**360000**		21000	*
25323-68-6	Trichlorobiphenyls, Total	**920000**		21000	*
26914-33-0	Tetrachlorobiphenyls, Total	**1100000**		43000	*
25429-29-2	Pentachlorobiphenyls, Total	**190000**		43000	*
26601-64-9	Hexachlorobiphenyls, Total	43000	U	43000	*
28655-71-2	Heptachlorobiphenyls, Total	64000	U	64000	*
55722-26-4	Octachlorobiphenyls, Total	64000	U	64000	*
53742-07-7	Nonachlorobiphenyls, Total	85000	U	85000	*
2051-24-3	Decachlorobiphenyls, Total	110000	U	110000	*

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
gamma-BHC (Lindane)	0	*	40-135	3/20/15 11:00	D
4,4'-DDT	0	*	22-175	3/20/15 11:00	D

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	3/ 5/15 1115
Sample Matrix:	Soil	**Date Received:**	3/18/15
Sample Name:	A151210-02		
Lab Code:	R1501887-002	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**96.7**		Percent	1.0	1	NA	3/19/15 14:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	3/ 5/15 1115
Sample Matrix:	Soil	**Date Received:**	3/18/15
		Date Extracted:	3/19/15
		Date Analyzed:	3/20/15 11:30
Sample Name:	A151210-02	**Units:**	µg/Kg
Lab Code:	R1501887-002	**Basis:**	Dry
		Percent Solids:	96.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method:	680	**Analysis Lot:**	437114
Prep Method:	EPA 3541	**Extraction Lot:**	231550
Data File Name:	I:\ACQUDATA\5973B\DATA\032015\DK784.D\	**Instrument Name:**	R-MS-52
		Dilution Factor:	2000

CAS No.	Analyte Name	Result	Q	MRL	Note
27323-18-8	Monochlorobiphenyls, Total	20000	U	20000	
25512-42-9	Dichlorobiphenyls, Total	**350000**		20000	
25323-68-6	Trichlorobiphenyls, Total	**880000**		20000	
26914-33-0	Tetrachlorobiphenyls, Total	**1200000**		42000	
25429-29-2	Pentachlorobiphenyls, Total	**210000**		42000	
26601-64-9	Hexachlorobiphenyls, Total	42000	U	42000	
28655-71-2	Heptachlorobiphenyls, Total	62000	U	62000	
55722-26-4	Octachlorobiphenyls, Total	62000	U	62000	
53742-07-7	Nonachlorobiphenyls, Total	83000	U	83000	
2051-24-3	Decachlorobiphenyls, Total	100000	U	100000	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
gamma-BHC (Lindane)	0	*	40-135	3/20/15 11:30	D
4,4'-DDT	0	*	22-175	3/20/15 11:30	D

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1501887-MB	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0	U	Percent	1.0	1	NA	3/19/15 14:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ECCS Nationwide Mobile Laboratories	**Service Request:**	R1501887
Project:	Madison Kipp - Madison WI	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	3/19/15
		Date Analyzed:	3/20/15 08:35
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1502629-01	**Basis:**	Dry

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method:	680	**Analysis Lot:**	437114
Prep Method:	EPA 3541	**Extraction Lot:**	231550
Data File Name:	I:\ACQUDATA\5973B\DATA\032015\DK778.D\	**Instrument Name:**	R-MS-52
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
27323-18-8	Monochlorobiphenyls, Total	0.33	U	0.33	
25512-42-9	Dichlorobiphenyls, Total	**0.43**		0.33	
25323-68-6	Trichlorobiphenyls, Total	0.33	U	0.33	
26914-33-0	Tetrachlorobiphenyls, Total	0.67	U	0.67	
25429-29-2	Pentachlorobiphenyls, Total	0.67	U	0.67	
26601-64-9	Hexachlorobiphenyls, Total	0.67	U	0.67	
28655-71-2	Heptachlorobiphenyls, Total	1.0	U	1.0	
55722-26-4	Octachlorobiphenyls, Total	1.0	U	1.0	
53742-07-7	Nonachlorobiphenyls, Total	1.3	U	1.3	
2051-24-3	Decachlorobiphenyls, Total	1.7	U	1.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
gamma-BHC (Lindane)	67	40-135	3/20/15 08:35	
4,4'-DDT	90	22-175	3/20/15 08:35	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: ECCS Nationwide Mobile Laboratories
Project: Madison Kipp - Madison WI
Sample Matrix: Soil

Service Request: R1501887
Date Analyzed: 3/20/15

Lab Control Sample Summary
Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 231550

	Lab Control Sample RQ1502629-02			Duplicate Lab Control Sample RQ1502629-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Monochlorobiphenyls, Total	8.33	16.7	50	8.00	16.7	48	10 - 108	4	30
Dichlorobiphenyls, Total	8.67	16.7	52	9.00	16.7	54	13 - 121	4	30
Trichlorobiphenyls, Total	8.67	16.7	52	8.67	16.7	52	25 - 118	<1	30
Tetrachlorobiphenyls, Total	17.0	33.3	51	17.3	33.3	52	19 - 119	2	30
Pentachlorobiphenyls, Total	17.7	33.3	53	18.0	33.3	54	15 - 168	2	30
Hexachlorobiphenyls, Total	17.7	33.3	53	17.3	33.3	52	10 - 180	2	30
Heptachlorobiphenyls, Total	27.0	50.0	54	26.3	50.0	53	15 - 181	3	30
Octachlorobiphenyls, Total	26.3	50.0	53	26.3	50.0	53	25 - 150	<1	30
Decachlorobiphenyls, Total	41.0	83.3	49	44.0	83.3	53	39 - 137	7	30

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

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

R1501887 5
ECCS Nationwide Mobile Laboratories
Madison Kipp - Madison WI

SUBCONTRACT ORDER

ECCS

A151210

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608.221.4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

ALS Group USA, Corp-NY
1565 Jefferson Road
Rochester, NY 14623
Phone :(585) 288-5380
Fax: (585) 288-8475

Turn around Time: X Normal
____ Rush

Project Name: Madison Kipp - Madison, WI

			Laboratory ID	Comments
Lab ID: A151210-01	**Soil**	**Sampled: 03/02/2015 15:05**		
Subcontracted Analysis				PCB Homolog (680)
Containers Supplied:				
03_4oz WM Amber Glass				
Lab ID: A151210-02	**Soil**	**Sampled: 03/05/2015 11:15**		
Subcontracted Analysis				PCB Homolog (680)
Containers Supplied:				

Released By	Date	Received By	Date
Kari-Ann Killian	3/17/15 1400	[illegible]	3/18/15 0935

00012

R1501887 5
ECCS Nationwide Mobile Laboratories
Madison Kipp - Madison WI

Cooler Receipt and Preservation Check Form

Project/Client ECCS Folder Number R15-1887.

Cooler received on 3/18/15 by: @ COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

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

8. Temperature Readings Date: 3/18/15 Time: 0949 ID: (IR#3) IR#4 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.8						
Correction Factor (°C)	—						
Corrected Temp (°C)	1.8°						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N

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

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

All samples held in storage location: R-002 by @ on 3/18/15 at 0950
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 3/18/15

Cooler Breakdown: Date: 3/18/15 Time: 1405 by: @

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**						

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 101314-13NU
Other Comments:

* limited volume

PC Secondary Review: JMS 3/24/15 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-93379-1
Client Project/Site: MadisonKipp Corp WI001368.0024.00001

For:
ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee, Wisconsin 53202

Attn: Chris Kubacki

Authorized for release by:
3/25/2015 5:04:12 PM
Therese Hargraves, Project Manager I
therese.hargraves@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-93379-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-93379-1

Comments
No additional comments.

Receipt
The sample was received on 3/17/2015 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.2º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Client Sample ID: MW-28 **Lab Sample ID: 500-93379-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-93379-1	MW-28	Water	03/13/15 12:40	03/17/15 10:00

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Client Sample ID: MW-28

Lab Sample ID: 500-93379-1

Date Collected: 03/13/15 12:40
Date Received: 03/17/15 10:00

Matrix: Water

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.068		0.40	0.068	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1221	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1232	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1242	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1248	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1254	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/19/15 08:33	1
PCB-1260	<0.071		0.40	0.071	ug/L		03/18/15 11:26	03/19/15 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*50 - 120*	*03/18/15 11:26*	*03/19/15 08:33*	*1*
DCB Decachlorobiphenyl	*86*		*29 - 126*	*03/18/15 11:26*	*03/19/15 08:33*	*1*

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

GC Semi VOA

Prep Batch: 280198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-93379-1	MW-28	Dissolved	Water	3510C	
LCS 500-280198/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-280198/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-280198/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 280241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-93379-1	MW-28	Dissolved	Water	8082	280198
LCS 500-280198/2-A	Lab Control Sample	Total/NA	Water	8082	280198
LCSD 500-280198/3-A	Lab Control Sample Dup	Total/NA	Water	8082	280198
MB 500-280198/1-A	Method Blank	Total/NA	Water	8082	280198

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TCX2	DCB2						
Lab Sample ID	Client Sample ID	(50-120)	(29-126)						
LCS 500-280198/2-A	Lab Control Sample	88	91						
LCSD 500-280198/3-A	Lab Control Sample Dup	91	80						
MB 500-280198/1-A	Method Blank	88	69						

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Dissolved**

		Percent Surrogate Recovery (Acceptance Limits)							
		TCX2	DCB2						
Lab Sample ID	Client Sample ID	(50-120)	(29-126)						
500-93379-1	MW-28	62	86						

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-280198/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 280241 — **Prep Batch: 280198**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1221	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1232	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1242	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1248	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1254	<0.20		0.40	0.20	ug/L		03/18/15 11:26	03/18/15 15:37	1
PCB-1260	<0.070		0.40	0.070	ug/L		03/18/15 11:26	03/18/15 15:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*50 - 120*	*03/18/15 11:26*	*03/18/15 15:37*	*1*
DCB Decachlorobiphenyl	*69*		*29 - 126*	*03/18/15 11:26*	*03/18/15 15:37*	*1*

Lab Sample ID: LCS 500-280198/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 280241 — **Prep Batch: 280198**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	3.35		ug/L		84	70 - 130		
PCB-1260			4.00	3.60		ug/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*50 - 120*
DCB Decachlorobiphenyl	*91*		*29 - 126*

Lab Sample ID: LCSD 500-280198/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 280241 — **Prep Batch: 280198**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.72		ug/L		93	70 - 130	10	20
PCB-1260			4.00	3.62		ug/L		90	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*50 - 120*
DCB Decachlorobiphenyl	*80*		*29 - 126*

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Client Sample ID: MW-28

Lab Sample ID: 500-93379-1

Date Collected: 03/13/15 12:40

Matrix: Water

Date Received: 03/17/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			280198	03/18/15 11:26	SML	TAL CHI
Dissolved	Analysis	8082		1	280241	03/19/15 08:33	GMO	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp Corp WI001368.0024.00001

TestAmerica Job ID: 500-93379-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #: 500-93379

Send Results to:

Contact & Company Name: Chris Kubacki ARCADIS	Telephone: 414.276.7742
Address: 126 N. Jefferson St. #400	Fax: 414.276.7603
City: Milwaukee State: WI Zip: 53202	E-mail Address: chris.kubacki@arcadis-us.com
Project Name/Location (City, State): Madison Kipp Corp (Madison, WI)	Project #: W10013368.0024.00001
Sampler's Printed Name: Nicole Dudei	Sampler's Signature: [signature]

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	PCBs-Dissolved Method 8082	REMARKS
MW-28	3/13/15	1240		✓	W	E	✓	2	9	2	

500-93379 COC

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: 250ml amber
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: TestAmerica	Cooler Custody Seal (✓)	Printed Name: Nicole Dudei	Printed Name:	Printed Name:	Printed Name: Sherri Scott
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature:	Signature: Sherri Scott
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: TA-CHI
Shipping Tracking #: 8060 7604 8628	Condition/Cooler Temp: 3.2	Date/Time: 3/16/2015 1700	Date/Time:	Date/Time:	Date/Time: 3/17/15 1000

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by ARCADIS

3/25/2015

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-93379-1

Login Number: 93379

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2525 Advance Road
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March 13, 2015

Chris Kubacki
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202

RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 03/04/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser

Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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ARCADIS
126 N Jefferson St., Ste 400
Milwaukee WI, 53202

Project: Madison Kipp - Madison, WI
Project Number: W1001368
Project Manager: Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MKC-WIPE01-WALL	A151009-01	Wipe	03/04/2015	03/04/2015
MKC-WIPE01-COLUMN	A151009-02	Wipe	03/04/2015	03/04/2015
MKC-WIPE01-FLOOR	A151009-03	Wipe	03/04/2015	03/04/2015
MKC-WIPE01-M1HORZ	A151009-04	Wipe	03/04/2015	03/04/2015
MKC-WIPE01-M1VERT	A151009-05	Wipe	03/04/2015	03/04/2015
MKC-WIPE02-WALL	A151009-06	Wipe	03/04/2015	03/04/2015
MKC-WIPE02-COLUMN	A151009-07	Wipe	03/04/2015	03/04/2015
MKC-WIPE02-FLOOR	A151009-08	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-WALL	A151009-09	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-COLUMN	A151009-10	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-FLOOR	A151009-11	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-M2HORZ	A151009-12	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-M2VERT	A151009-13	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-M3HORZ	A151009-14	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-M3VERT	A151009-15	Wipe	03/04/2015	03/04/2015
MKC-WIPE03-DUP	A151009-16	Wipe	03/04/2015	03/04/2015
MKC-WIPE04-WALL	A151009-17	Wipe	03/04/2015	03/04/2015
MKC-WIPE04-COLUMN	A151009-18	Wipe	03/04/2015	03/04/2015
MKC-WIPE04-FLOOR	A151009-19	Wipe	03/04/2015	03/04/2015
MKC-WIPE04-DUP	A151009-20	Wipe	03/04/2015	03/04/2015
MKC-WIPE05-WALL	A151009-21	Wipe	03/04/2015	03/04/2015
MKC-WIPE05-COLUMN	A151009-22	Wipe	03/04/2015	03/04/2015
MKC-WIPE05-FLOOR	A151009-23	Wipe	03/04/2015	03/04/2015
MKC-WIPE06-WALL	A151009-24	Wipe	03/04/2015	03/04/2015
MKC-WIPE06-COLUMN	A151009-25	Wipe	03/04/2015	03/04/2015
MKC-WIPE06-FLOOR	A151009-26	Wipe	03/04/2015	03/04/2015
MKC-WIPE07-WALL	A151009-27	Wipe	03/04/2015	03/04/2015
MKC-WIPE07-COLUMN	A151009-28	Wipe	03/04/2015	03/04/2015
MKC-WIPE07-FLOOR	A151009-29	Wipe	03/04/2015	03/04/2015
MKC-WIPE06-M21HORZ	A151009-30	Wipe	03/04/2015	03/04/2015
MKC-WIPE06-M21VERT	A151009-31	Wipe	03/04/2015	03/04/2015

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MKC-WIPE09-WALL	A151009-32	Wipe	03/04/2015	03/04/2015
MKC-WIPE09-COLUMN	A151009-33	Wipe	03/04/2015	03/04/2015
MKC-WIPE09-FLOOR	A151009-34	Wipe	03/04/2015	03/04/2015
MKC-WIPE08-WALL	A151009-35	Wipe	03/04/2015	03/04/2015
MKC-WIPE08-COLUMN	A151009-36	Wipe	03/04/2015	03/04/2015
MKC-WIPE08-FLOOR	A151009-37	Wipe	03/04/2015	03/04/2015
MKC-WIPE10-WALL	A151009-38	Wipe	03/04/2015	03/04/2015
MKC-WIPE10-COLUMN	A151009-39	Wipe	03/04/2015	03/04/2015
MKC-WIPE10-FLOOR	A151009-40	Wipe	03/04/2015	03/04/2015

CASE NARRATIVE

Sample Receipt Information:
40 samples were received on 3/4/2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
The HC footnote on samples A151009-23, A151009-26, A151009-29, A151009-30 and A151009-34 states that there was a high CCV recovery for PCB-1248. The upper control limit is 120% and the recovery was 122%.

CCV also indicates a potential high bias for PCB-1242 for samples A151009-03, A151009-04, A151009-11, A151009-19 and A151009-20. Samples were less than the reporting limit for this analyte so no further action is required.

CCV also indicates a potential high bias for PCB-1260 for samples A151009-23, A151009-26, A151009-28 through A151009-30 and A151009-34 through A151009-40. Samples were less than the reporting limit for this analyte so no further action is required.

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE01-WALL

A151009-01 (Wipe)

Date Sampled
03/04/2015 11:02

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 00:53	EPA 8082A	
Surrogate: Decachlorobiphenyl		*92.8 %*		*60-140*	*03/09/2015*	*03/11/2015 00:53*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*89.8 %*		*60-140*	*03/09/2015*	*03/11/2015 00:53*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE01-COLUMN

A151009-02 (Wipe)

Date Sampled
03/04/2015 10:51

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503029**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1242	**0.81**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
Total PCBs	**0.81**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:18	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.0 %*		*60-140*	*03/09/2015*	*03/11/2015 01:18*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*97.7 %*		*60-140*	*03/09/2015*	*03/11/2015 01:18*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE01-FLOOR

A151009-03 (Wipe)

Date Sampled
03/04/2015 10:59

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1248	**11**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
Total PCBs	**11**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 10:53	EPA 8082A	
Surrogate: Decachlorobiphenyl		*87.7 %*		*60-140*	*03/09/2015*	*03/11/2015 10:53*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*104 %*		*60-140*	*03/09/2015*	*03/11/2015 10:53*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE01-M1HORZ

A151009-04 (Wipe)

Date Sampled
03/04/2015 10:10

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1248	**1.3**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
Total PCBs	**1.3**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:21	EPA 8082A	
Surrogate: Decachlorobiphenyl		*91.2 %*		*60-140*	*03/09/2015*	*03/11/2015 11:21*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*109 %*		*60-140*	*03/09/2015*	*03/11/2015 11:21*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE01-M1VERT

A151009-05 (Wipe)

Date Sampled
03/04/2015 10:04

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 01:43	EPA 8082A	
Surrogate: Decachlorobiphenyl		*85.9 %*		*60-140*	*03/09/2015*	*03/11/2015 01:43*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*93.0 %*		*60-140*	*03/09/2015*	*03/11/2015 01:43*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE02-WALL

A151009-06 (Wipe)

Date Sampled
03/04/2015 11:17

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1242	**0.76**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
Total PCBs	**0.76**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:08	EPA 8082A	
Surrogate: Decachlorobiphenyl		*94.7 %*		*60-140*	*03/09/2015*	*03/11/2015 02:08*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*98.7 %*		*60-140*	*03/09/2015*	*03/11/2015 02:08*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE02-COLUMN

A151009-07 (Wipe)

Date Sampled
03/04/2015 11:08

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1242	**0.65**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
Total PCBs	**0.65**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:33	EPA 8082A	
Surrogate: Decachlorobiphenyl		*83.0 %*		*60-140*	*03/09/2015*	*03/11/2015 02:33*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*88.1 %*		*60-140*	*03/09/2015*	*03/11/2015 02:33*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE02-FLOOR

A151009-08 (Wipe)

Date Sampled
03/04/2015 11:13

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1248	**6.3**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
Total PCBs	**6.3**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:48	EPA 8082A	
Surrogate: Decachlorobiphenyl		*75.8 %*		*60-140*	*03/09/2015*	*03/11/2015 08:48*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*91.0 %*		*60-140*	*03/09/2015*	*03/11/2015 08:48*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE03-WALL

A151009-09 (Wipe)

Date Sampled
03/04/2015 11:55

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 02:58	EPA 8082A	
Surrogate: Decachlorobiphenyl		*95.9 %*		*60-140*	*03/09/2015*	*03/11/2015 02:58*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*101 %*		*60-140*	*03/09/2015*	*03/11/2015 02:58*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE03-COLUMN

A151009-10 (Wipe)

Date Sampled
03/04/2015 11:44

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1242	**0.35**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
Total PCBs	**0.35**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:03	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.6 %*		*60-140*	*03/09/2015*	*03/11/2015 05:03*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*95.9 %*		*60-140*	*03/09/2015*	*03/11/2015 05:03*	*EPA 8082A*	

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MKC-WIPE03-FLOOR

A151009-11 (Wipe)

Date Sampled
03/04/2015 11:52

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
PCB-1221	ND	3.0	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
PCB-1232	ND	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
PCB-1242	ND	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
PCB-1248	**120**	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	D
PCB-1254	ND	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
PCB-1260	ND	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	
Total PCBs	**120**	1.5	ug/Wipe	10	03/09/2015	03/11/2015 12:46	EPA 8082A	D
Surrogate: Decachlorobiphenyl		*90.6 %*		*60-140*	*03/09/2015*	*03/11/2015 05:28*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*60-140*	*03/09/2015*	*03/11/2015 05:28*	*EPA 8082A*	

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MKC-WIPE03-M2HORZ

A151009-12 (Wipe)

Date Sampled
03/04/2015 10:19

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503029**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 05:54	EPA 8082A	
Surrogate: Decachlorobiphenyl		*99.3 %*		*60-140*	*03/09/2015*	*03/11/2015 05:54*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*60-140*	*03/09/2015*	*03/11/2015 05:54*	*EPA 8082A*	

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MKC-WIPE03-M2VERT

A151009-13 (Wipe)

Date Sampled
03/04/2015 10:15

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:18	EPA 8082A	
Surrogate: Decachlorobiphenyl		*101 %*		*60-140*	*03/09/2015*	*03/11/2015 06:18*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*105 %*		*60-140*	*03/09/2015*	*03/11/2015 06:18*	*EPA 8082A*	

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MKC-WIPE03-M3HORZ

A151009-14 (Wipe)

Date Sampled
03/04/2015 10:28

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1248	**3.9**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
Total PCBs	**3.9**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 06:43	EPA 8082A	
Surrogate: Decachlorobiphenyl		*98.6 %*		*60-140*	*03/09/2015*	*03/11/2015 06:43*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*95.0 %*		*60-140*	*03/09/2015*	*03/11/2015 06:43*	*EPA 8082A*	

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MKC-WIPE03-M3VERT

A151009-15 (Wipe)

Date Sampled
03/04/2015 10:24

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:08	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.9 %*		*60-140*	*03/09/2015*	*03/11/2015 07:08*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*104 %*		*60-140*	*03/09/2015*	*03/11/2015 07:08*	*EPA 8082A*	

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MKC-WIPE03-DUP

A151009-16 (Wipe)

Date Sampled
03/04/2015 10:17

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:33	EPA 8082A	
Surrogate: Decachlorobiphenyl		*99.3 %*		*60-140*	*03/09/2015*	*03/11/2015 07:33*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*103 %*		*60-140*	*03/09/2015*	*03/11/2015 07:33*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE04-WALL

A151009-17 (Wipe)

Date Sampled
03/04/2015 11:24

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 07:58	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.5 %*		*60-140*	*03/09/2015*	*03/11/2015 07:58*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*103 %*		*60-140*	*03/09/2015*	*03/11/2015 07:58*	*EPA 8082A*	

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MKC-WIPE04-COLUMN

A151009-18 (Wipe)

Date Sampled
03/04/2015 11:29

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 08:23	EPA 8082A	
Surrogate: Decachlorobiphenyl		*95.0 %*		*60-140*	*03/09/2015*	*03/11/2015 08:23*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*101 %*		*60-140*	*03/09/2015*	*03/11/2015 08:23*	*EPA 8082A*	

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MKC-WIPE04-FLOOR

A151009-19 (Wipe)

Date Sampled
03/04/2015 11:35

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1248	**7.8**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
Total PCBs	**7.8**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 11:50	EPA 8082A	
Surrogate: Decachlorobiphenyl		*77.0 %*		*60-140*	*03/09/2015*	*03/11/2015 11:50*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*96.3 %*		*60-140*	*03/09/2015*	*03/11/2015 11:50*	*EPA 8082A*	

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MKC-WIPE04-DUP

A151009-20 (Wipe)

Date Sampled
03/04/2015 11:37

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503029**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1248	**4.4**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
Total PCBs	**4.4**	0.15	ug/Wipe	1	03/09/2015	03/11/2015 12:18	EPA 8082A	
Surrogate: Decachlorobiphenyl		*86.2 %*		*60-140*	*03/09/2015*	*03/11/2015 12:18*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*103 %*		*60-140*	*03/09/2015*	*03/11/2015 12:18*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE05-WALL

A151009-21 (Wipe)

Date Sampled
03/04/2015 12:07

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/12/2015 23:58	EPA 8082A	
Surrogate: Decachlorobiphenyl		*94.9 %*		*60-140*	*03/09/2015*	*03/12/2015 23:58*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*96.0 %*		*60-140*	*03/09/2015*	*03/12/2015 23:58*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE05-COLUMN

A151009-22 (Wipe)

Date Sampled
03/04/2015 12:13

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503030**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:24	EPA 8082A	
Surrogate: Decachlorobiphenyl		*99.2 %*		*60-140*	*03/09/2015*	*03/13/2015 00:24*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*105 %*		*60-140*	*03/09/2015*	*03/13/2015 00:24*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE05-FLOOR

A151009-23 (Wipe)

Date Sampled
03/04/2015 12:19

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
PCB-1248	**3.7**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	HC
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
Total PCBs	**3.7**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:01	EPA 8082A	
Surrogate: Decachlorobiphenyl		*107 %*		*60-140*	*03/09/2015*	*03/13/2015 10:01*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*95.0 %*		*60-140*	*03/09/2015*	*03/13/2015 10:01*	*EPA 8082A*	

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MKC-WIPE06-WALL

A151009-24 (Wipe)

Date Sampled
03/04/2015 14:24

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 00:49	EPA 8082A	
Surrogate: Decachlorobiphenyl		*94.7 %*		*60-140*	*03/09/2015*	*03/13/2015 00:49*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*103 %*		*60-140*	*03/09/2015*	*03/13/2015 00:49*	*EPA 8082A*	

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MKC-WIPE06-COLUMN

A151009-25 (Wipe)

Date Sampled
03/04/2015 14:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503030**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:14	EPA 8082A	
Surrogate: Decachlorobiphenyl		*102 %*		*60-140*	*03/09/2015*	*03/13/2015 01:14*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*113 %*		*60-140*	*03/09/2015*	*03/13/2015 01:14*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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MKC-WIPE06-FLOOR

A151009-26 (Wipe)

Date Sampled
03/04/2015 14:20

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
PCB-1248	**3.7**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	HC
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
Total PCBs	**3.7**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:26	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.1 %*		*60-140*	*03/09/2015*	*03/13/2015 10:26*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*92.3 %*		*60-140*	*03/09/2015*	*03/13/2015 10:26*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE07-WALL

A151009-27 (Wipe)

Date Sampled
03/04/2015 13:23

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 01:39	EPA 8082A	
Surrogate: Decachlorobiphenyl		*115 %*		*60-140*	*03/09/2015*	*03/13/2015 01:39*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*106 %*		*60-140*	*03/09/2015*	*03/13/2015 01:39*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE07-COLUMN

A151009-28 (Wipe)

Date Sampled
03/04/2015 12:27

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1248	**0.96**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
Total PCBs	**0.96**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:40	EPA 8082A	
Surrogate: Decachlorobiphenyl		*107 %*		*60-140*	*03/09/2015*	*03/13/2015 06:40*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*101 %*		*60-140*	*03/09/2015*	*03/13/2015 06:40*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE07-FLOOR

A151009-29 (Wipe)

Date Sampled
03/04/2015 13:26

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
PCB-1248	**4.2**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	HC
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
Total PCBs	**4.2**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 10:51	EPA 8082A	
Surrogate: Decachlorobiphenyl		*101 %*		*60-140*	*03/09/2015*	*03/13/2015 10:51*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*105 %*		*60-140*	*03/09/2015*	*03/13/2015 10:51*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE06-M21HORZ

A151009-30 (Wipe)

Date Sampled
03/04/2015 10:38

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
PCB-1248	**1.5**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	HC
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
Total PCBs	**1.5**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:16	EPA 8082A	
Surrogate: Decachlorobiphenyl		*97.6 %*		*60-140*	*03/09/2015*	*03/13/2015 11:16*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*99.3 %*		*60-140*	*03/09/2015*	*03/13/2015 11:16*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE06-M21VERT

A151009-31 (Wipe)

Date Sampled
03/04/2015 10:34

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:04	EPA 8082A	
Surrogate: Decachlorobiphenyl		*92.6 %*		*60-140*	*03/09/2015*	*03/13/2015 02:04*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*85.8 %*		*60-140*	*03/09/2015*	*03/13/2015 02:04*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE09-WALL

A151009-32 (Wipe)

Date Sampled
03/04/2015 13:32

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1248	**0.33**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
Total PCBs	**0.33**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:29	EPA 8082A	
Surrogate: Decachlorobiphenyl		*80.2 %*		*60-140*	*03/09/2015*	*03/13/2015 02:29*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*87.9 %*		*60-140*	*03/09/2015*	*03/13/2015 02:29*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE09-COLUMN

A151009-33 (Wipe)

Date Sampled
03/04/2015 13:38

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 02:54	EPA 8082A	
Surrogate: Decachlorobiphenyl		*125 %*		*60-140*	*03/09/2015*	*03/13/2015 02:54*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*108 %*		*60-140*	*03/09/2015*	*03/13/2015 02:54*	*EPA 8082A*	

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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE09-FLOOR

A151009-34 (Wipe)

Date Sampled
03/04/2015 13:43

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
PCB-1248	**3.9**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	HC
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
Total PCBs	**3.9**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 11:41	EPA 8082A	
Surrogate: Decachlorobiphenyl		*96.9 %*		*60-140*	*03/09/2015*	*03/13/2015 11:41*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*60-140*	*03/09/2015*	*03/13/2015 11:41*	*EPA 8082A*	

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608.221.8700 Phone
608.221.4889 Fax

ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE08-WALL

A151009-35 (Wipe)

Date Sampled
03/04/2015 14:11

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:00	EPA 8082A	
Surrogate: Decachlorobiphenyl		*126 %*		*60-140*	*03/09/2015*	*03/13/2015 05:00*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*108 %*		*60-140*	*03/09/2015*	*03/13/2015 05:00*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE08-COLUMN

A151009-36 (Wipe)

Date Sampled
03/04/2015 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503030**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:25	EPA 8082A	
Surrogate: Decachlorobiphenyl		*120 %*		*60-140*	*03/09/2015*	*03/13/2015 05:25*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*108 %*		*60-140*	*03/09/2015*	*03/13/2015 05:25*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE08-FLOOR

A151009-37 (Wipe)

Date Sampled
03/04/2015 14:08

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1248	**4.8**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
Total PCBs	**4.8**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:05	EPA 8082A	
Surrogate: Decachlorobiphenyl		*81.9 %*		*60-140*	*03/09/2015*	*03/13/2015 07:05*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*73.9 %*		*60-140*	*03/09/2015*	*03/13/2015 07:05*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE10-WALL

A151009-38 (Wipe)

Date Sampled
03/04/2015 13:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503030**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 05:50	EPA 8082A	
Surrogate: Decachlorobiphenyl		*125 %*		*60-140*	*03/09/2015*	*03/13/2015 05:50*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*105 %*		*60-140*	*03/09/2015*	*03/13/2015 05:50*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE10-COLUMN

A151009-39 (Wipe)

Date Sampled
03/04/2015 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A503030**			
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1248	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
Total PCBs	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 06:15	EPA 8082A	
Surrogate: Decachlorobiphenyl		*131 %*		*60-140*	*03/09/2015*	*03/13/2015 06:15*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*112 %*		*60-140*	*03/09/2015*	*03/13/2015 06:15*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

MKC-WIPE10-FLOOR

A151009-40 (Wipe)

Date Sampled
03/04/2015 13:58

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A503030**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1221	ND	0.30	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1232	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1242	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1248	**2.4**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1254	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
PCB-1260	ND	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
Total PCBs	**2.4**	0.15	ug/Wipe	1	03/09/2015	03/13/2015 07:30	EPA 8082A	
Surrogate: Decachlorobiphenyl		*112 %*		*60-140*	*03/09/2015*	*03/13/2015 07:30*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*104 %*		*60-140*	*03/09/2015*	*03/13/2015 07:30*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
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Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A503029 - EPA 3580A										
Blank (A503029-BLK1)				Prepared: 03/09/2015 Analyzed: 03/11/2015 00:28						
PCB-1016	ND	0.15	ug/Wipe							
PCB-1221	ND	0.30	ug/Wipe							
PCB-1232	ND	0.15	ug/Wipe							
PCB-1242	ND	0.15	ug/Wipe							
PCB-1248	ND	0.15	ug/Wipe							
PCB-1254	ND	0.15	ug/Wipe							
PCB-1260	ND	0.15	ug/Wipe							
Total PCBs	ND	0.15	ug/Wipe							
Surrogate: Decachlorobiphenyl	*0.871*		*ug/Wipe*	*0.9000*		*96.7*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.841*		*ug/Wipe*	*0.9000*		*93.5*	*60-140*			
LCS (A503029-BS1)				Prepared: 03/09/2015 Analyzed: 03/11/2015 00:03						
PCB-1254	14.0	0.15	ug/Wipe	15.00		93.3	70-130			
Surrogate: Decachlorobiphenyl	*0.827*		*ug/Wipe*	*0.9000*		*91.9*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.811*		*ug/Wipe*	*0.9000*		*90.1*	*60-140*			
Batch A503030 - EPA 3580A										
Blank (A503030-BLK1)				Prepared: 03/09/2015 Analyzed: 03/12/2015 23:33						
PCB-1016	ND	0.15	ug/Wipe							
PCB-1221	ND	0.30	ug/Wipe							
PCB-1232	ND	0.15	ug/Wipe							
PCB-1242	ND	0.15	ug/Wipe							
PCB-1248	ND	0.15	ug/Wipe							
PCB-1254	ND	0.15	ug/Wipe							
PCB-1260	ND	0.15	ug/Wipe							
Total PCBs	ND	0.15	ug/Wipe							
Surrogate: Decachlorobiphenyl	*0.940*		*ug/Wipe*	*0.9000*		*104*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.870*		*ug/Wipe*	*0.9000*		*96.7*	*60-140*			
LCS (A503030-BS1)				Prepared: 03/09/2015 Analyzed: 03/12/2015 23:08						
PCB-1254	13.6	0.15	ug/Wipe	15.00		90.9	70-130			
Surrogate: Decachlorobiphenyl	*0.889*		*ug/Wipe*	*0.9000*		*98.8*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.835*		*ug/Wipe*	*0.9000*		*92.7*	*60-140*			

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Chris Kubacki

Notes and Definitions

HC	Results may be biased high because of high continuing calibration verification (CCV).
D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151009

Project Number: W1001368
Project Name: Madison-Kipp – Wipe Sampling
Project Location: Madison, WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): Trenna Seilheimer (ARCADIS)

Mail Report To: Trenna Seilheimer
Company: ARCADIS
Address: 25 N Jefferson St Ste 400
Milwaukee, WI
E-mail Address: trenna.seilheimer@arcadis-us.com
Invoice To: same as above
Company:
Address:

Analyses Requested / Preservation Codes: A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCB Aroclor						Comments	Lab ID	Lab Receipt Time
MKC-WIPE01-WALL	3/4/15	1102	O	1	X							01	
MKC-WIPE01-COLUMN	3/4/15	1051	O	1	X							02	
MKC-WIPE01-FLOOR	3/4/15	1059	O	1	X							03	
MKC-WIPE01-MIHORZ	3/4/15	1010	O	1	X							04	
MKC-WIPE01-MIVERT	3/4/15	1004	O	1	X							05	
MKC-WIPE02-WALL	3/4/15	1117	O	1	X							06	
MKC-WIPE02-COLUMN	3/4/15	1108	O	1	X							07	
MKC-WIPE02-FLOOR	3/4/15	1113	O	1	X							08	
MKC-WIPE03-WALL	3/4/15	1155	O	1	X							09	
MKC-WIPE03-COLUMN	3/4/15	1144	O	1	X							10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/4/15	1545	[signature]	3-4-15	1545
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Matrix Codes
A=Air S=Soil W=Water O=Other

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Walk-In

Receipt Temp: on ice
Temp Blank Y N

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Madison, WI 53718
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CHAIN OF CUSTODY

Lab Work Order #: A151009

Project Number: W1001368
Project Name: Madison-Kipp - Wipe Sampling
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print):

Mail Report To:
Company:
Address:
E-mail Address:
Invoice To:
Company:
Address:

Analyses Requested / Preservation Codes: A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCB Aroclor						Comments	Lab ID	Lab Receipt Time
MKC-WIPE03-FLOOR	3/4/15	1152	O	1	X							11	
MKC-WIPE03-M2HORZ	3/4/15	1019	O	1	X							12	
MKC-WIPE03-M2VERT	3/4/15	1015	O	1	X							13	
MKC-WIPE03-M3HORZ	3/4/15	1028	O	1	X							14	
MKC-WIPE03-M3VERT	3/4/15	1024	O	1	X							15	
MKC-WIPE03-DUP	3/4/15	1017	O	1	X							16	
MKC-WIPE04-WALL	3/4/15	1124	O	1	X							17	
MKC-WIPE04-COLUMN	3/4/15	1129	O	1	X							18	
MKC-WIPE04-FLOOR	3/4/15	1135	O	1	X							19	
MKC-WIPE04-DUP	3/4/15	1137	O	1	X							20	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/4/15	1545	[signature]	3-4-15	1545
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Matrix Codes
A=Air S=Soil W=Water O=Other

Custody Seal: Present Absent Intact/Not Intact Seal #'s
Shipped Via: Walk-In

Receipt Temp: on ice
Temp Blank Y N

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CHAIN OF CUSTODY

Lab Work Order #: A151009

Project Number: W1001368
Project Name: Madison-Kipp - Wipe Sampling
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print):

Mail Report To:
Company:
Address:
E-mail Address:
Invoice To:
Company:
Address:

Analyses Requested / Preservation Codes: A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCB Analyzer						Comments	Lab ID	Lab Receipt Time
MKC-WIPE05-WALL	3/4/15 ~~1209~~	1207	D	1	x							21	
MKC-WIPE05-COLUMN	~~1213~~	1213	O	1	x							22	
MKC-WIPE05-FLOOR	~~1219~~	1219	O	1	x							23	
MKC-WIPE06-WALL	~~1424~~	1424	O	1	x							24	
MKC-WIPE06-COLUMN	~~1426~~	1426	O	1	x							25	
MKC-WIPE06-FLOOR	~~1420~~	1420	O	1	x							26	
MKC-WIPE07-WALL	~~1323~~	1323	O	1	x							27	
MKC-WIPE07-COLUMN	~~1227~~	1227	O	1	x							28	
MKC-WIPE07-FLOOR	~~1326~~	1326	O	1	x							29	
MKC-WIPE06-MZI HORZ	~~1038~~	1038	O	1	x							30	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/4/15	1545	[signature]	3-4-15	1545
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Walk-In
Receipt Temp: on ice
Temp Blank Y N

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CHAIN OF CUSTODY

Lab Work Order #: A151009

Project Number: WI001368
Project Name: Madison-Kipp - Wipe Sampling
Project Location: Madison, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print):

Mail Report To:
Company:
Address:
E-mail Address:
Invoice To:
Company:
Address:

Analyses Requested / Preservation Codes: A

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCB Aroclor						Comments	Lab ID	Lab Receipt Time
MKC-WIPE06-M21 VERT	3/4/15	1034	O	1	x							31	
MKC-WIPE09-WALL	3/4/15	1332	O	1	x							32	
MKC-WIPE09-COLUMN	3/4/15	1338	O	1	x							33	
MKC-WIPE09-FLOOR	3/4/15	1343	O	1	x							34	
MKC-WIPE08-WALL	3/4/15	1411	O	1	x							35	
MKC-WIPE08-COLUMN	3/4/15	1406	O	1	x							36	
MKC-WIPE08-FLOOR	3/4/15	1408	O	1	x							37	
MKC-WIPE10-WALL	3/4/15	1352	O	1	x							38	
MKC-WIPE10-COLUMN	3/4/15	1355	O	1	x							39	
MKC-WIPE10-FLOOR	3/4/15	1358	O	1	x							40	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/4/15	1545	[signature]	3-4-15	1545
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Matrix Codes
A=Air S=Soil W=Water O=Other

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Walk-In

Receipt Temp: On ice
Temp Blank Y N

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Rev. 11/08

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

April 03, 2015

Trenna Seilheimer
ARCADIS
126 N Jefferson St., Ste 400
Milwaukee, WI 53202

RE: Madison Kipp - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 04/02/2015.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser

Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MKC-WIPE01-FLOOR2	A151407-01	Wipe	04/02/2015	04/02/2015
MKC-WIPE02-FLOOR2	A151407-02	Wipe	04/02/2015	04/02/2015
MKC-WIPE03-FLOOR2	A151407-03	Wipe	04/02/2015	04/02/2015
MKC-WIPE03-FLOOR3	A151407-04	Wipe	04/02/2015	04/02/2015
MKC-WIPE03-FLOOR4	A151407-05	Wipe	04/02/2015	04/02/2015
MKC-WIPE05-FLOOR2	A151407-06	Wipe	04/02/2015	04/02/2015

CASE NARRATIVE

Sample Receipt Information:
6 samples were received on 4/2/2015. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for PCB-1016 and PCB-1242 for samples A151407-01 through A151407-06. Samples were less than the reporting limit for these analytes so no further action is required.

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE01-FLOOR2

A151407-01 (Wipe)

Date Sampled
04/02/2015 07:50

ECCS

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082					**Preparation Batch: A504010**			
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1248	**1.2**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
Total PCBs	**1.2**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:10	EPA 8082A	
Surrogate: Decachlorobiphenyl		*80.2 %*		*60-140*	*04/02/2015*	*04/03/2015 07:10*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*95.1 %*		*60-140*	*04/02/2015*	*04/03/2015 07:10*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE02-FLOOR2

A151407-02 (Wipe)

Date Sampled
04/02/2015 08:10

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A504010**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1248	**3.0**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
Total PCBs	**3.0**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 07:35	EPA 8082A	
Surrogate: Decachlorobiphenyl		*91.8 %*		*60-140*	*04/02/2015*	*04/03/2015 07:35*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*107 %*		*60-140*	*04/02/2015*	*04/03/2015 07:35*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE03-FLOOR2

A151407-03 (Wipe)

Date Sampled
04/02/2015 08:20

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A504010**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1248	**13**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
Total PCBs	**13**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:00	EPA 8082A	
Surrogate: Decachlorobiphenyl		*60.7 %*		*60-140*	*04/02/2015*	*04/03/2015 08:00*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*104 %*		*60-140*	*04/02/2015*	*04/03/2015 08:00*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE03-FLOOR3

A151407-04 (Wipe)

Date Sampled
04/02/2015 08:30

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A504010**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1248	**6.9**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
Total PCBs	**6.9**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:25	EPA 8082A	
Surrogate: Decachlorobiphenyl		*74.4 %*		*60-140*	*04/02/2015*	*04/03/2015 08:25*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*60-140*	*04/02/2015*	*04/03/2015 08:25*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE03-FLOOR4

A151407-05 (Wipe)

Date Sampled
04/02/2015 08:35

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A504010**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1248	**6.0**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
Total PCBs	**6.0**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 08:50	EPA 8082A	
Surrogate: Decachlorobiphenyl		*73.6 %*		*60-140*	*04/02/2015*	*04/03/2015 08:50*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*60-140*	*04/02/2015*	*04/03/2015 08:50*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

MKC-WIPE05-FLOOR2

A151407-06 (Wipe)

Date Sampled
04/02/2015 08:45

ECCS

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A504010**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1221	ND	1.0	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1232	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1242	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1248	**14**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1254	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
PCB-1260	ND	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
Total PCBs	**14**	0.50	ug/Wipe	1	04/02/2015	04/03/2015 09:15	EPA 8082A	
Surrogate: Decachlorobiphenyl		*75.6 %*		*60-140*	*04/02/2015*	*04/03/2015 09:15*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene		*97.8 %*		*60-140*	*04/02/2015*	*04/03/2015 09:15*	*EPA 8082A*	

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A504010 - EPA 3580A										
Blank (A504010-BLK1)				Prepared: 04/02/2015 Analyzed: 04/03/2015 06:45						
PCB-1016	ND	0.50	ug/Wipe							
PCB-1221	ND	1.0	ug/Wipe							
PCB-1232	ND	0.50	ug/Wipe							
PCB-1242	ND	0.50	ug/Wipe							
PCB-1248	ND	0.50	ug/Wipe							
PCB-1254	ND	0.50	ug/Wipe							
PCB-1260	ND	0.50	ug/Wipe							
Total PCBs	ND	0.50	ug/Wipe							
Surrogate: Decachlorobiphenyl	*0.870*		*ug/Wipe*	*0.9000*		*96.7*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.957*		*ug/Wipe*	*0.9000*		*106*	*60-140*			
LCS (A504010-BS1)				Prepared: 04/02/2015 Analyzed: 04/03/2015 06:20						
PCB-1260	13.6	0.50	ug/Wipe	15.00		90.8	70-130			
Surrogate: Decachlorobiphenyl	*0.920*		*ug/Wipe*	*0.9000*		*102*	*60-140*			
Surrogate: Tetrachloro-meta-xylene	*0.947*		*ug/Wipe*	*0.9000*		*105*	*60-140*			

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ARCADIS	Project:	Madison Kipp - Madison, WI
126 N Jefferson St., Ste 400	Project Number:	W1001368
Milwaukee WI, 53202	Project Manager:	Trenna Seilheimer

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A151407

Project Number: WI001368
Project Name: MADISON KIPP - WIPE SAMPLING
Project Location: MADISON WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): TIM ALESSI (ARCADIS)

Mail Report To: TRENNA SEILHEIMER
Company: ARCADIS
Address: 126 N. JEFFERSON ST. STE. 400
MILWAUKEE, WI 53202
E-mail Address: TRENNA.SEILHEIMER@ARCADIS-US.COM
Invoice To: SAME AS ABOVE
Company:
Address:

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCB AROCHLOR						Comments	Lab ID	Lab Receipt Time
					A								
MKC-WIPE01-FLOOR2	4/2/15	750	O	1	X							01	
MKC-WIPE02-FLOOR2	4/2/15	810	O	1	X							02	
MKC-WIPE03-FLOOR2	4/2/15	820	O	1	X							03	
MKC-WIPE09-FLOOR3	4/2/15	830	O	1	X							04	
MKC-WIPE03-FLOOR4	4/2/15	835	O	1	X							05	
MKC-WIPE05-FLOOR2	4/2/15	845	O	1	X							06	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (indicate)

Relinquished By: [signature] Date: 4/2/15 Time: 930
Received By: [signature] Date: 04/02/15 Time: 0930
Relinquished By: Date: Time:
Received By: Date: Time:

Matrix Codes
A=Air S=Soil W=Water O=Other

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Walk In
Receipt Temp: On ice
Temp Blank Y N

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SAMPLE RECEIPT REPORT
15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: ARCADIS
PROJECT: WI001368.0022.00001 MADISON KIPP
LRF: 15040032
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: *2 DAY*

RECEIVED DATE: 04/02/2015 09:20
SHIPPED VIA: FEDEX
SHIPPING ID: 801702172756
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: YES
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 3.5 °C

SAMPLE SEALS INTACT: NA
[1,2] SAMPLES PRESERVED PER METHOD GUIDANCE: YES
[3] SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:

CLIENT ID (LAB ID)	TAT-DUE Date[4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
MKC-AIR01 (AS06704)	*2 DAY* 04-06-15	04/01/2015 15:30	PF10	EPA TO-10A	PCB Analysis (TO-10A)	
MKC-AIR02 (AS06705)	*2 DAY* 04-06-15	04/01/2015 15:45	PF10	EPA TO-10A	PCB Analysis (TO-10A)	
MKC-AIR03 (AS06706)	*2 DAY* 04-06-15	04/01/2015 15:55	PF10	EPA TO-10A	PCB Analysis (TO-10A)	

[1]The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are performed as soon as possible after sample receipt and may not be included in this report.
[2]The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.
[3]Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.
[4]Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.
The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.
[5]All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.

Reporting Parameters and Lists

EPA TO-10A - PCB Analysis (TO-10A) - (ug/m3)

Aroclor 1016
Aroclor 1221
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Total PCB Amount > RL ($)

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055

GC - PCB

5

Analytical Sample Results

Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: MKC-AIR01
Lab Sample ID: 15040032-01 (AS06704)

Collection Date: 04/01/2015 15:30
Sample Matrix: POLYURETHANE FOAM
Received Date: 04/02/2015 09:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1368-8	EPA Method TO-10A	04/03/2015 14:30	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	2.40m³	5.00 mL	NA

Analyte	CAS No.	Result (ug/m³)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0417	1.00	U	GC10F-1368-8
Aroclor 1221	11104-28-2	ND	0.0417	1.00	U	GC10F-1368-8
Aroclor 1232	11141-16-5	ND	0.0417	1.00	U	GC10F-1368-8
Aroclor 1242	53469-21-9	**0.0553**	0.0417	1.00		GC10F-1368-8
Aroclor 1248	12672-29-6	ND	0.0417	1.00	U	GC10F-1368-8
Aroclor 1254	11097-69-1	ND	0.0417	1.00	U	GC10F-1368-8
Aroclor 1260	11096-82-5	ND	0.0417	1.00	U	GC10F-1368-8
Total PCB Amount > RL ($)	1336-36-3	**0.0553**		1.00		GC10F-1368-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.3	60.0-120		GC10F-1368-8
Decachlorobiphenyl	2051-24-3	99.6	60.0-120		GC10F-1368-8
Tetrachloro-meta-xylene	877-09-8	91.8	60.0-120		GC10B-1354-8
Decachlorobiphenyl	2051-24-3	108	60.0-120		GC10B-1354-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: Concentration results based upon client supplied air volumes.
($) NYSDOH does not currently offer certification for this analyte.

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Analytical Sample Results

Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: MKC-AIR02
Lab Sample ID: 15040032-02 (AS06705)

Collection Date: 04/01/2015 15:45
Sample Matrix: POLYURETHANE FOAM
Received Date: 04/02/2015 09:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10B-1354-9	EPA Method TO-10A	04/03/2015 14:43	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	2.40m³	5.00 mL	NA

Analyte	CAS No.	Result (ug/m³)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0417	1.00	U	GC10B-1354-9
Aroclor 1221	11104-28-2	ND	0.0417	1.00	U	GC10B-1354-9
Aroclor 1232	11141-16-5	ND	0.0417	1.00	U	GC10B-1354-9
Aroclor 1242	53469-21-9	**0.0525**	0.0417	1.00		GC10B-1354-9
Aroclor 1248	12672-29-6	ND	0.0417	1.00	U	GC10B-1354-9
Aroclor 1254	11097-69-1	ND	0.0417	1.00	U	GC10B-1354-9
Aroclor 1260	11096-82-5	ND	0.0417	1.00	U	GC10B-1354-9
Total PCB Amount > RL ($)	1336-36-3	**0.0525**		1.00		GC10B-1354-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	87.8	60.0-120		GC10F-1368-9
Decachlorobiphenyl	2051-24-3	99.5	60.0-120		GC10F-1368-9
Tetrachloro-meta-xylene	877-09-8	91.5	60.0-120		GC10B-1354-9
Decachlorobiphenyl	2051-24-3	109	60.0-120		GC10B-1354-9

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: Concentration results based upon client supplied air volumes.
($) NYSDOH does not currently offer certification for this analyte.

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Analytical Sample Results

Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: MKC-AIR03
Lab Sample ID: 15040032-03 (AS06706)

Collection Date: 04/01/2015 15:55
Sample Matrix: POLYURETHANE FOAM
Received Date: 04/02/2015 09:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10B-1354-10	EPA Method TO-10A	04/03/2015 14:55	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	2.40m³	5.00 mL	NA

Analyte	CAS No.	Result (ug/m³)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0417	1.00	U	GC10B-1354-10
Aroclor 1221	11104-28-2	ND	0.0417	1.00	U	GC10B-1354-10
Aroclor 1232	11141-16-5	ND	0.0417	1.00	U	GC10B-1354-10
Aroclor 1242	53469-21-9	**0.0841**	0.0417	1.00		GC10B-1354-10
Aroclor 1248	12672-29-6	ND	0.0417	1.00	U	GC10B-1354-10
Aroclor 1254	11097-69-1	ND	0.0417	1.00	U	GC10B-1354-10
Aroclor 1260	11096-82-5	ND	0.0417	1.00	U	GC10B-1354-10
Total PCB Amount > RL ($)	1336-36-3	**0.0841**		1.00		GC10B-1354-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	83.6	60.0-120		GC10F-1368-10
Decachlorobiphenyl	2051-24-3	96.6	60.0-120		GC10F-1368-10
Tetrachloro-meta-xylene	877-09-8	89.5	60.0-120		GC10B-1354-10
Decachlorobiphenyl	2051-24-3	105	60.0-120		GC10B-1354-10

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: Concentration results based upon client supplied air volumes.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Samples (Lab)

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Quality Control Results
Method Blank

Job Number: 15040032

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Method Blank (AS06704B)
Lab Sample ID: PBLK-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10B-1354-5	EPA Method TO-10A	04/03/2015 13:52	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte	CAS No.	Result (ug)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1221	11104-28-2	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1232	11141-16-5	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1242	53469-21-9	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1248	12672-29-6	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1254	11097-69-1	ND	0.100	1.00	U	GC10B-1354-5
Aroclor 1260	11096-82-5	ND	0.100	1.00	U	GC10B-1354-5
Total PCB Amount > RL ($)	1336-36-3	ND		1.00	U	GC10B-1354-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	92.1	60.0-120		GC10B-1354-5
Decachlorobiphenyl	2051-24-3	107	60.0-120		GC10B-1354-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Results
Method Blank

Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Method Blank (AS06704B)
Lab Sample ID: PBLK-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1368-5	EPA Method TO-10A	04/03/2015 13:52	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte	CAS No.	Result (ug)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1221	11104-28-2	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1232	11141-16-5	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1242	53469-21-9	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1248	12672-29-6	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1254	11097-69-1	ND	0.100	1.00	U	GC10F-1368-5
Aroclor 1260	11096-82-5	ND	0.100	1.00	U	GC10F-1368-5
Total PCB Amount > RL ($)	1336-36-3	ND		1.00	U	GC10F-1368-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	88.2	60.0-120		GC10F-1368-5
Decachlorobiphenyl	2051-24-3	99.9	60.0-120		GC10F-1368-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Results
Lab Control Sample (LCS)
Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Lab Control Sample (AS06704L)
Lab Sample ID: LCS-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10B-1354-6	EPA Method TO-10A	04/03/2015 14:05	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCS (ug)	LCS % Rec.	Q[1]	Limits (%)
Aroclor 1242	53469-21-9	1.00	0.979	97.9		70.0-130

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	95.8	60.0-120		GC10B-1354-6
Decachlorobiphenyl	2051-24-3	107	60.0-120		GC10B-1354-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Results
Lab Control Sample (LCS)
Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Lab Control Sample (AS06704L)
Lab Sample ID: LCS-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1368-6	EPA Method TO-10A	04/03/2015 14:05	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCS (ug)	LCS % Rec.	Q[1]	Limits (%)
Aroclor 1242	53469-21-9	1.00	0.952	95.2		70.0-130

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	91.0	60.0-120		GC10F-1368-6
Decachlorobiphenyl	2051-24-3	103	60.0-120		GC10F-1368-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Results
Lab Control Sample - Duplicate (LCSD)
Job Number: 15040032

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Lab Control Sample - Duplicate (AS06704S)
Lab Sample ID: LCSD-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10B-1354-7	EPA Method TO-10A	04/03/2015 14:17	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q[1]	Limits (%)	Precision: LCS % Rec.	Precision: RPD	Precision: Q[1]	Precision: Limits (%)
Aroclor 1242	53469-21-9	1.00	0.969	96.9		70.0-130	97.9	1.03		20

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	93.1	60.0-120		GC10B-1354-7
Decachlorobiphenyl	2051-24-3	104	60.0-120		GC10B-1354-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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Quality Control Results
Lab Control Sample - Duplicate (LCSD)
Job Number: 15040032

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: WI001368.0022.00001 MADISON KIPP
Client Sample ID: Lab Control Sample - Duplicate (AS06704S)
Lab Sample ID: LCSD-30

Collection Date: N/A
Sample Matrix: POLYURETHANE FOAM
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1368-7	EPA Method TO-10A	04/03/2015 14:17	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30397	TO-10A	04/02/2015 14:00	MH	0.00m³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q[1]	Limits (%)	Precision: LCS % Rec.	Precision: RPD	Precision: Q[1]	Precision: Limits (%)
Aroclor 1242	53469-21-9	1.00	0.966	96.6		70.0-130	95.2	1.46		20

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.6	60.0-120		GC10F-1368-7
Decachlorobiphenyl	2051-24-3	95.3	60.0-120		GC10F-1368-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
($) NYSDOH does not currently offer certification for this analyte.

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