

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

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.

ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414 276 7742
Fax 414 276 7603
www.arcadis-us.com

ENVIRONMENT

Date:

April 21, 2015

Contact:

Jennine Trask

Phone:

414.276.7742

Email:

jennine.trask@arcadis-us.com

Our ref:

WI001368.0024

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 locator, 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 $\frac{3}{4}$ 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:

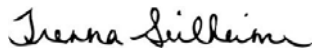
- Double wash/double rinse/double paint of select floor areas as shown on Figure 5 and in accordance with 40 CFR 761.30(p) for continued use of the area.

Closing

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

Sincerely,

ARCADIS U.S., Inc.



Trena 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



Michael Schmoller
April 21, 2015

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 Sample I.D. Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-196					
				SB-196 (1-2) 3/3/2015 1-2	SB-196 (5-6) 3/3/2015 5-6	SB-196 (8-9) 3/3/2015 8-9	SB-196 (9-10) 3/3/2015 9-10	SB-196 (12-13) 3/3/2015 12-13	SB-196 (16.3-17.3) 3/3/2015 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
Heptachlorobiphenyls, 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 Protection Agency
- J = Estimated result

- NA = Not analyzed
- PCBs = Polychlorinated Biphenyls
- RCL = Residual Contaminant Level
- TSCA = Toxic Substances Control Act

4/16/2015

G:\Project\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

**Table 1
Summary of Interior Building Soil Analytical Results**

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

Boring # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-197					
				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)
				3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/4/2015
				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
Heptachlorobiphenyls, 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

-- = Criteria not established

D = Data reported from a dilution

EPA = United States Environmental Protection Agency

J = Estimated result

4/16/2015

G:\Aproject\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-198					
				SB-198 (1-2) 3/2/2015 1-2	DUP-1 3/2/2015 1-2	SB-198 (4-5) 3/2/2015 4-5	SB-198 (7-8) 3/2/2015 7-8	SB-198 (9-10) 3/2/2015 9-10	SB-198 (12-13) 3/3/2015 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
Heptachlorobiphenyls, 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 Protection 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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-198 (continued)				SB-199
				DUP-2 3/3/2015 12-13	SB-198 (16-17) 3/3/2015 16-17	SB-198 (20.4-21.4) 3/3/2015 20.4-21.4	SB-198 (22-23) 3/3/2015 22-23	SB-199 (1.2-2.2) 3/5/2015 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
Heptachlorobiphenyls, 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 Protection Agency

J = Estimated result

4/16/2015

G:\Project\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-199 (continued)					
				SB-199 (5-6) 3/5/2015 5-6	SB-199 (6.3-7.3) 3/5/2015 6.3-7.3	SB-199 (9.9-10.9) 3/5/2015 9.9-10.9	SB-199 (12-13) 3/5/2015 12-13	SB-199 (16-17) 3/5/2015 16-17	SB-199 (17.7-18.7) 3/5/2015 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
Heptachlorobiphenyls, 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 Protection Agency
- J = Estimated result

- NA = Not analyzed
- PCBs = Polychlorinated Biphenyls
- RCL = Residual Contaminant Level
- TSCA = Toxic Substances Control Act

4/16/2015

G:\Project\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

**Table 1
Summary of Interior Building Soil Analytical Results**

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

Boring # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-200					
				SB-200 (1-2) 3/5/2015 1-2	SB-200 (5.2-6.2) 3/5/2015 5.2-6.2	SB-200 (6.9-7.9) 3/5/2015 6.9-7.9	SB-200 (10.8-11.8) 3/5/2015 10.8-11.8	SB-200 (13-14) 3/5/2015 13-14	SB-200 (16-17) 3/5/2015 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
Heptachlorobiphenyls, 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 Protection 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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-200 (continued)			SB-201	
				SB-200 (18-19) 3/5/2015 18-19	DUP-3 3/5/2015 18-19	SB-200 (22.5-23.5) 3/5/2015 22.5-23.5	SB-201 (0.6-1.6) 3/3/2015 0.6-1.6	SB-201 (5-6) 3/3/2015 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
Heptachlorobiphenyls, 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 Protection Agency

J = Estimated result

4/16/2015

G:\Project\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-201 (continued)				SB-202	
				SB-201 (6.8-7.8) 3/3/2015 6.8-7.8	SB-201 (9-10) 3/3/2015 9-10	SB-201 (12-13) 3/4/2015 12-13	SB-201 (16-17) 3/4/2015 16-17	SB-202 (1-2) 3/4/2015 1-2	SB-202 (4-5) 3/4/2015 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
Heptachlorobiphenyls, 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 Protection Agency

J = Estimated result

4/16/2015

G:\Aproject\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

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 # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-202 (continued)					
				SB-202 (8-9) 3/4/2015 8-9	SB-202 (10-10.6) 3/4/2015 10-10.6	SB-202 (12-12.9) 3/4/2015 12-12.9	SB-202 (16-17) 3/4/2015 16-17	SB-202 (20-21) 3/4/2015 20-21	SB-202 (22-23) 3/4/2015 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
Heptachlorobiphenyls, 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 Protection Agency
- J = Estimated result

- NA = Not analyzed
- PCBs = Polychlorinated Biphenyls
- RCL = Residual Contaminant Level
- TSCA = Toxic Substances Control Act

4/16/2015

G:\Project\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

**Table 1
Summary of Interior Building Soil Analytical Results**

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

Boring # Sample ID Sample Date Sample Depth (ft bgs)	Industrial Direct Contact RCL	EPA High Occupancy Cleanup Level	TSCA Disposal Limits (Solids)	SB-202 (continued)	
				SB-202 (24.4-25.4) 3/4/2015 24.4-25.4	SB-202 (28-28.7) 3/4/2015 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
Heptachlorobiphenyls, 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 Protection Agency

J = Estimated result

4/16/2015

G:\Aproject\MadisonKipp\W1001368\2015\tables\
Table 1_Summary Soil Analytical Results.xlsx

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	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 PCB Spill Cleanup Policy	Grid 1						Grid 2	
		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 I.D.		3/4/2015	3/4/2015	4/2/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015	3/4/2015
Sample Date		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 Sample ID Sample Date	EPA PCB Spill Cleanup Policy	Grid 2 (continued)		Grid 3				
		MKC-WIPE02- FLOOR2 4/2/2015	MKC-WIPE02- WALL 3/4/2015	MKC-WIPE03- COLUMN 3/4/2015	MKC-WIPE03- FLOOR 3/4/2015	MKC-WIPE03- FLOOR2 4/2/2015	MKC-WIPE03- FLOOR3 4/2/2015	MKC-WIPE03- FLOOR4 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 PCB Spill	Grid 3 (continued)						Grid 4	
		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 ID	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 PCB Spill	Grid 4 (continued)		Grid 5				Grid 6	
		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 ID	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 PCB Spill	Grid 6 (continued)			Grid 7			Grid 8	
		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 ID	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 Sample ID Sample Date	EPA PCB Spill Cleanup Policy	Grid 8 (continued)	Grid 9				Grid 10		
		MKC-WIPE08- WALL	MKC-WIPE09- COLUMN	MKC-WIPE09- FLOOR	MKC-WIPE09- WALL	MKC-WIPE10- COLUMN	MKC-WIPE10- FLOOR	MKC-WIPE10- WALL	
		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 Sample ID Sample Date	NIOSH REL TWA	Grid 3	Grid 1	Grid 7
		MKC-AIR01	MKC-AIR02	MKC-AIR03
		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 ($\mu\text{g}/\text{m}^3$).

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

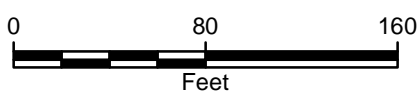
TWA = Time Weighted Average

CITY: MKE DIV/ GROUP: IM_DB_GM_LD: CK MADISON-KIPP
 Z: GISPROJECTS_LEN\MadisonKipp\Map\2015-03\Interior_MW_Boings_20150311.mxd



LEGEND

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

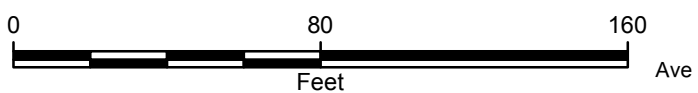
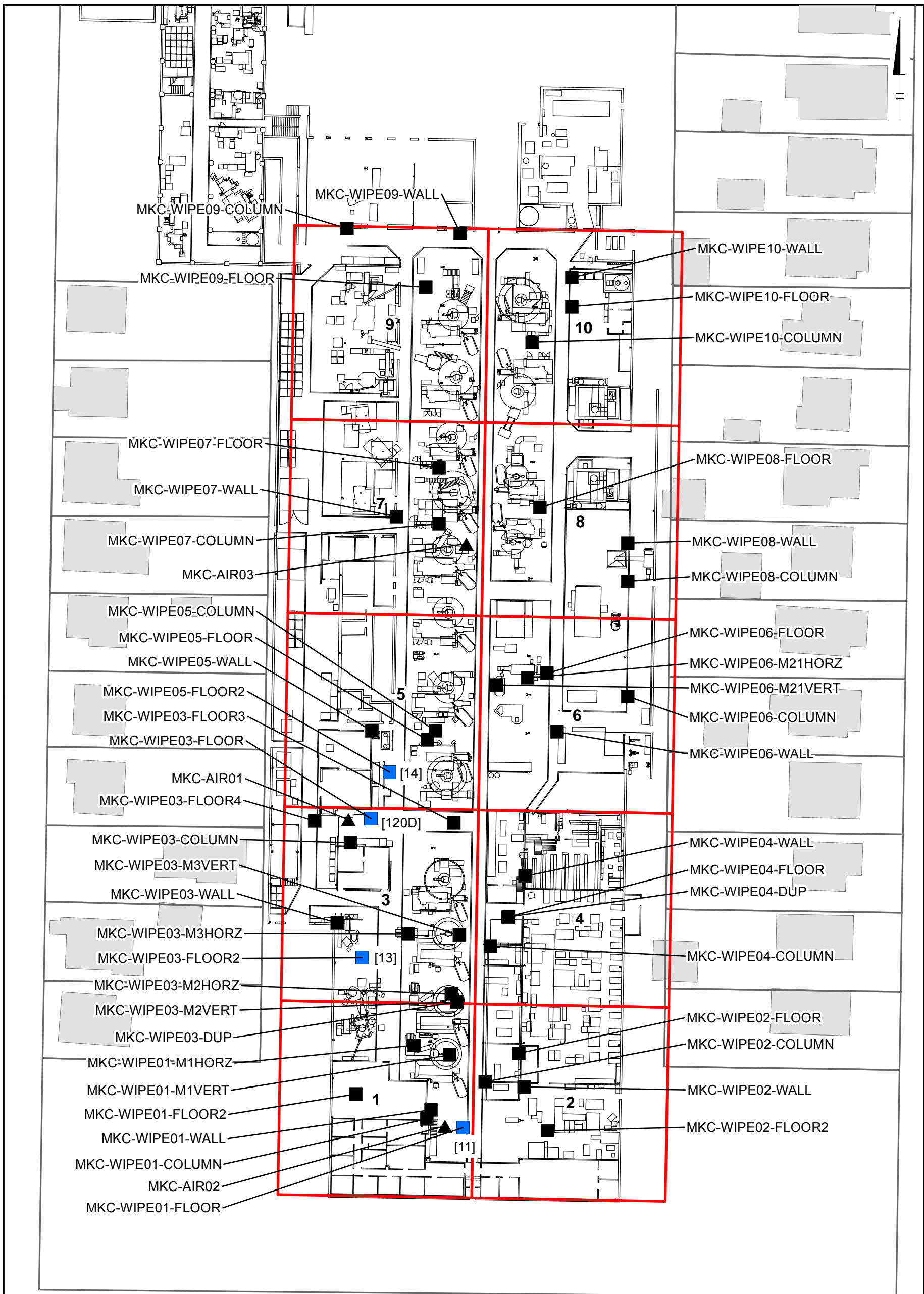


MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN
 SUPPLEMENTAL INTERIOR BUILDING SUMMARY

**INTERIOR SOIL BORING AND
 MONITORING WELL LOCATIONS**



FIGURE
1



LEGEND

- ▲ INDOOR AMBIENT AIR SAMPLING LOCATION RESULTS BELOW CRITERIA (1 $\mu\text{g}/\text{M}^3$)
- WIPE SAMPLE LOCATION RESULTS ABOVE CRITERIA (10 $\mu\text{g}/\text{WIPE}$)
- WIPE SAMPLE LOCATION RESULTS BELOW CRITERIA (10 $\mu\text{g}/\text{WIPE}$)
- PLANT LAYOUT
- BUILDING FOOTPRINTS
- PARCELS
- 100' GRID
- 1 GRID SQUARE ID
- [120] CONCENTRATION IN $\mu\text{g}/\text{WIPE}$

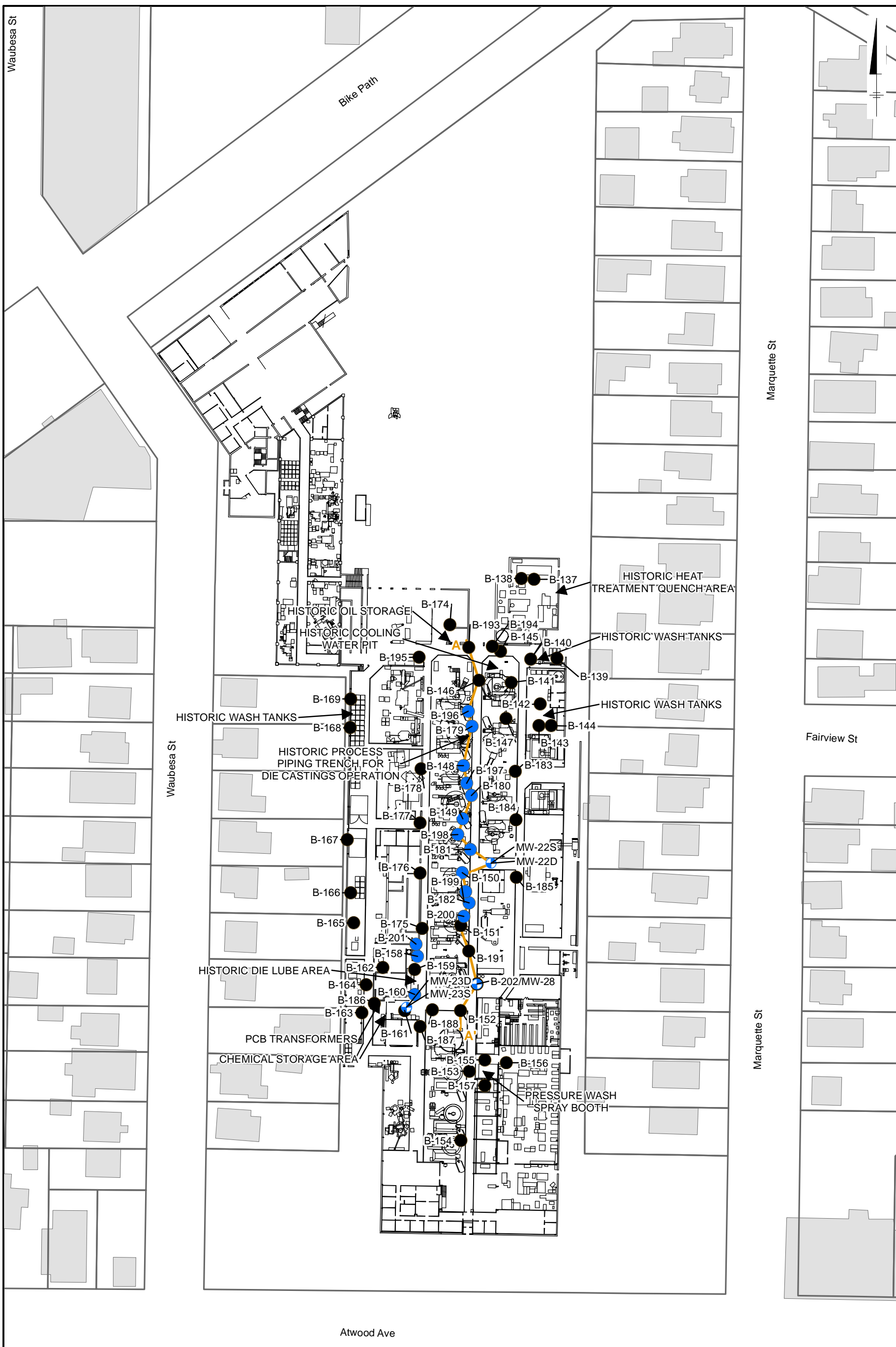
$\mu\text{g}/\text{WIPE}$ - MICROGRAM PER WIPE
 $\mu\text{g}/\text{M}^3$ - MICROGRAM PER CUBIC METER AIR

MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN

INTERIOR BUILDING WIPE AND INDOOR AIR SAMPLING LOCATIONS



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



LEGEND

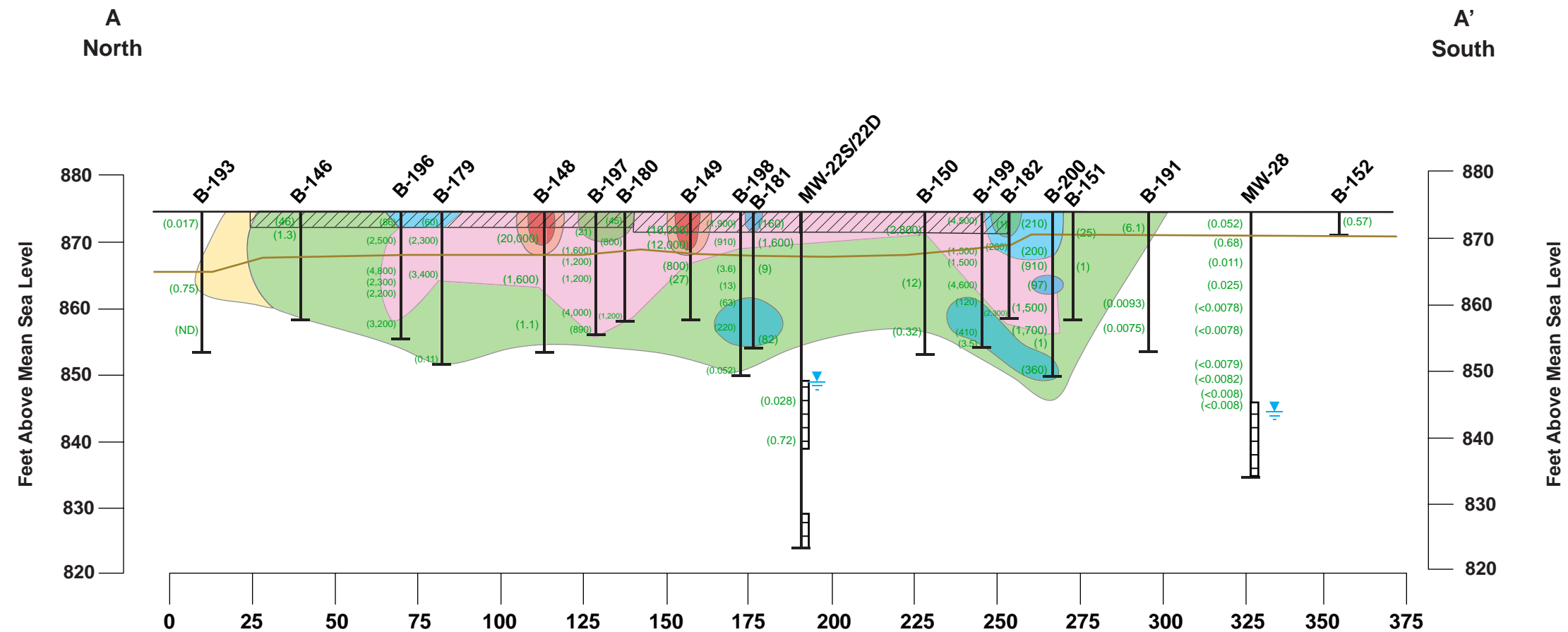
- TOTAL DETECTED PCB CONCENTRATION REPORTED ABOVE TSCA DISPOSAL LIMIT OF 50 PPM
- TOTAL DETECTED PCB CONCENTRATION REPORTED BELOW TSCA DISPOSAL LIMIT OF 50 PPM
- ⊕ MONITORING WELL
- A — A' CROSS SECTION
- PLANT LAYOUT
- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS
- PCB - POLYCHLORINATED BIPHENYL
- PPM - PARTS PER MILLION
- TSCA - TOXIC SUBSTANCE CONTROL ACT

MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN

SOIL LOCATIONS ABOVE TSCA DISPOSAL LIMIT



16APR15\ENV\IRONMNT\CKLMB
MADISON\KIPP\W001368201\GPHICS\INTERIOR BLDG TRENCH.XSEC.W.SB.AND.MW.LOCS.AI



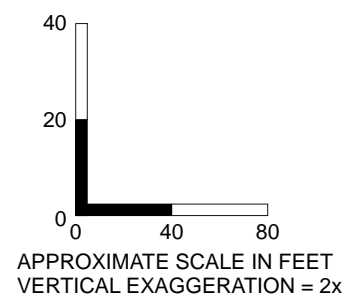
Total Polychlorinated Biphenyl
Isoconcentration Contour (mg/kg)



LEGEND

- Well Screen
- Water Table Elevation for MW-22S in October 2014
- (27) Total Polychlorinated Biphenyl Concentration in mg/kg
- Geologic Contact

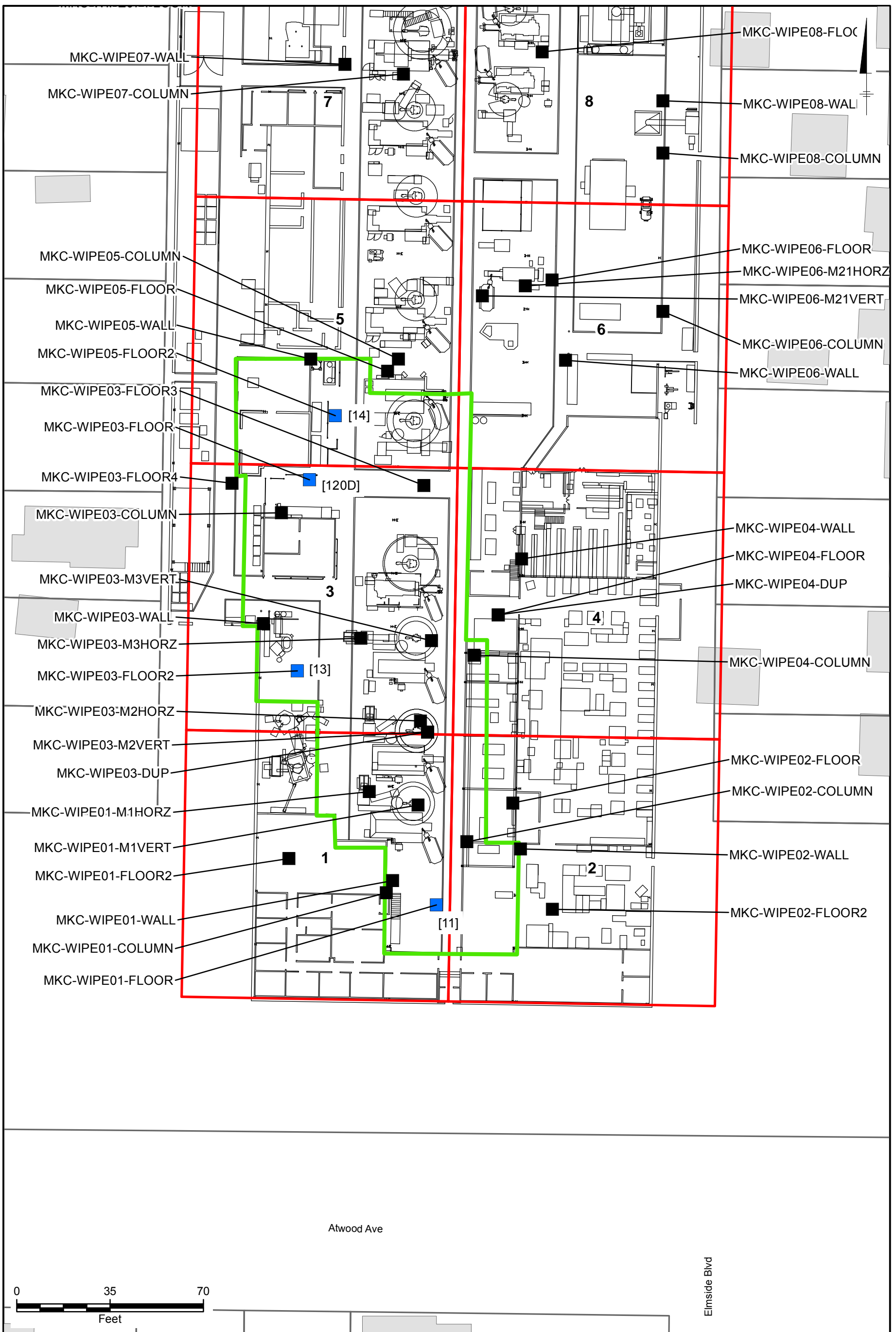
- Concrete and soil removal along the center aisle within the building (June/July 2014). Area replaced with clean, imported backfill and finished with new concrete.
- mg/kg milligram per kilogram



MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

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





CITY: MKE DIV/ GROUP: IM DB: GM LD: CK MADISON-KIPP
 Z: GISPROJECTS_LEN\MadisonKipp\Map2015-04\Interior_Wipe_Locs_Above_20150416.mxd

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
- PLANT LAYOUT
- BUILDING FOOTPRINTS
- PARCELS
- 100' GRID
- [120] CONCENTRATION IN µg/WIPE
- 1** GRID SQUARE ID

µg/WIPE - MICROGRAM PER WIPE

MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN

APPROXIMATE LOCATION OF
 FLOOR CONCENTRATIONS ABOVE CRITERIA

5

FIGURE

ARCADIS

Attachment A

Submittal Certification

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. Trask PEM #34959
Signature, title and P.E. number



I, Trenna Seilheimer, 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.

T. Seilheimer project scientist
Signature and title

4/21/15
Date

ARCADIS

Attachment B

Soil Boring Logs and
Abandonment Forms

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-196	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Jim/Keith Last Name Firm Giles Engineering			Date Drilling Started 03/03/15	Date Drilling Completed 03/03/15	Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399898.08 N, 2144105.77 E S <input type="checkbox"/> / C <input type="checkbox"/> / N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 N, R 10 E <input checked="" type="checkbox"/> W _____ Long _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> E _____ Feet <input type="checkbox"/> W _____			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID 113125320	County Dane	County Code 13	Civil Town/City/Village Madison		

Sample Number and Type	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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
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	31.2		4	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											
3	26.4		8	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											
			10					9-10						
								33.8						

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
								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.											
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												

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-197	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Jim/Keith Last Name Firm Giles Engineering			Date Drilling Started 03/02/15	Date Drilling Completed 03/04/15	Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399837.08 N, 2144104.50 E S <input type="checkbox"/> / C <input type="checkbox"/> / N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 N, R 10 E <input checked="" type="checkbox"/> W Long _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID 113125320	County Dane	County Code 13	Civil Town/City/Village Madison		

Sample Number and Type	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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
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											
			4											
2	40.8		4	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											
3	34.8		8	8-12'/ 8.0-10.9' Sand: Trace gravel, very fine to fine, moderately sorted, loose, yellowish brown, dry.				6-7.4						
			45.6											
			10											
			10					8-10						
								45.5						
								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

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
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'; offset approximately 1" 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 offset to 17.5 before refusal 3/4/15				12-14 40.4						
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'				14-15.4 44.3						
			18					16-17.5 58.6						
			20											
			22											
			24											
			26											
			28											

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

Facility/Project Name Madison-Kipp			License/Permit/Monitoring Number		Boring Number B-198	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Jim/Keith Last Name Firm Giles Engineering			Date Drilling Started 03/02/15		Date Drilling Completed 03/03/15	
WI Unique Well No.		DNR Well ID No.	Well Name		Final Static Water Level Feet	Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane 399793.43 N, 2144097.02 E		S <input type="checkbox"/> / C <input type="checkbox"/> / N <input type="checkbox"/>		Lat _____
SW 1/4 of _____ 1/4 of Section 5 , T 7 N R 10 E W <input checked="" type="checkbox"/>		Local Grid Location		Feet <input type="checkbox"/> N <input type="checkbox"/> E		Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID 113125320		County Dane		County Code 13		Civil Town/City/Village Madison

Sample Number and Type	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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	48		0	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											
2	45.6		4	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											
3	36		8	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				7-7.8						
			0.9											
			8-10											
			10					10-11						
								0.2						

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
4	43.2		12	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												
5	33.6		16	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.					15-15.6						
									1.2						
			16-18											2.8	
6	36		18	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					18-18.8						
									1.1						
			20-21											5.2	
			22					21-22							
									1.6						
									22-23						
									1.2						
			24												
			26												
			28												

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-199	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Jim/Keith Last Name Firm Giles Engineering			Date Drilling Started 03/03/15	Date Drilling Completed 03/03/15	Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399745.11 N, 2144103.56 E S <input type="checkbox"/> /C <input type="checkbox"/> /N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 , R 10 <input checked="" type="checkbox"/> E <input type="checkbox"/> W Long _____ _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		

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

Sample Number and Type	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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
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												2-4 15.7
			4												
2	39.6		4	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												6-7.3 32
			8												
3	34.8		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											10-10.9 28.4	

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
4	33.6		12	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.											
			14												
5	32.4		16	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.											
			18												
			20												
			22												
			24												
			26												
			28												

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-200	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Chip/Joel Last Name Firm Giles Engineering			Date Drilling Started 03/03/15	Date Drilling Completed 03/05/15	Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399724.07 N, 2144102.19 E S <input type="checkbox"/> /C <input type="checkbox"/> /N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 N R 10 <input checked="" type="checkbox"/> E <input type="checkbox"/> W Long _____			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W Feet _____ Feet _____		
Facility ID 113125320	County Dane	County Code 13	Civil Town/City/Village Madison		

Sample Number and Type	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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	48		0	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	46.8		4	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.				2-4						
			8.3											
			4-5.4											
3	45.6		8	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'.				5.4-6.2						
			11.8											
			8-10											
			10					6.8						
								10-11.8						
								7.8						

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200				
4	24		12	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									
			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		
			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														
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											22-23.5 15.3			
			24														
			26														
			28														

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-201	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Jim/Keith Last Name Firm Giles Engineering			Date Drilling Started 03/03/15	Date Drilling Completed 03/03/15	Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399700.82 N, 2144061.66 E S <input type="checkbox"/> / C <input type="checkbox"/> / N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 N, R 10 E <input checked="" type="checkbox"/> W <input type="checkbox"/> Long _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		

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

Sample Number and Type	Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	RQD/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	48		0	0-4'/				0.6-2							
			1.5	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.											
2	45.6		4	4-8'/				4-5.2							
			1.7	4.0-5.2' Clay: Some silt, medium to stiff to stiff, low plasticity, hardness increases with depth, yellowish brown.											
			4.9	5.2-6.0' Clay: Little silt, trace sand, soft, moderate plasticity, brownish gray, slightly moist.											
			9.4	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.											
3	33.6		8	8-11'/				7.2-7.8							
			18.1	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'.											
			10					8-9.3							
								17.3							
								9.3-11							
								15.1							

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
4	36		12	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						
			14					13-14 26.7						
			16	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.				14-15 23.5						
5	40.8		16					16-17 26.8						
			18					17-18 21.9						
			20					18-19 23.7						
			22											
			24											
			26											
			28											

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

Facility/Project Name Madison-Kipp		License/Permit/Monitoring Number		Boring Number B-202/MW-28	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name Chip/Joel Last Name Firm Giles Engineering			Date Drilling Started 03/04/15	Date Drilling Completed 03/04/15	Drilling Method Hollow Stem Auger
WI Unique Well No.	DNR Well ID No. SB-202/MW-28	Final Static Water Level Feet		Surface Elevation Feet MSL	Borehole Diameter 3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 399666.77 N, 2144113.37 E S <input type="checkbox"/> / C <input type="checkbox"/> / N <input type="checkbox"/> Lat _____ SW 1/4 of _____ 1/4 of Section 5 , T 7 N R 10 E <input checked="" type="checkbox"/> W Long _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		

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

Sample Number and Type	Length All. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	RQD/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200			
1			0	Concrete.												
2	10.8		0-2	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		2-4	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		4-6	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		6-8	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, loose to medium dense, reddish brown slightly moist, some black slag, rock fragments.				6-7.4 0.6								
6	16.8		8-10	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		10-12	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 _____

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 form should be sent.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length All. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	
				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, micaceous 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.				2-12.9 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						

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

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 forfeiture 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				2. Facility / Owner Information					
County Dane		WI Unique Well No. Removed Well _____		Hicap # _____		Facility Name Madison Kipp		Common Well Name B-196	
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W				Method Code (see instructions) _____					
1/4 / 1/4 or Gov't Lot #		Section 5		Township 7 N		Range 10		<input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 201 Waubesa Street				Present Well Owner Mark Meunier					
Well City, Village or Town Madison				Well ZIP Code 53704					
Subdivision Name _____				Lot # _____		Mailing Address of Present Owner 201 Waubesa Street		City of Present Owner Madison	
Reason For Removal From Service Soil Boring				WI Unique Well # of Replacement Well _____		State WI		ZIP Code 53704	
3. Well/Drillhole/Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 03/03/2015		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed?	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				If a Well Construction Report is available, please attach. _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface?	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped?	
Total Well Depth From Groundsurface (ft.) 18.5				Casing Diameter (in.) _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) 3				Casing Depth (ft.) _____		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Depth to Water (feet) _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
If yes, to what depth (feet)? _____				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
5. Material Used to Fill Well / Drillhole				6. Comments					
Granular Bentonite		From (ft.) Surface		To (ft.) 18.5		No. Yards, Sacks Sealant or Volume (circle one) 0.91 ft ³		Mix Ratio or Mud Weight	

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



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 forfeiture 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				2. Facility / Owner Information					
County Dane		WI Unique Well No. Removed Well		Hicap #		Facility Name Madison Kipp		Common Well Name B-197	
Latitude / Longitude (Degrees and Minutes)				Method Code (see instructions)					
1/4 / 1/4 or Gov't Lot #		Section 5		Township 7 N		Range 10		Facility ID (FID or PWS) 113125320	
								License/Permit/Monitoring #	
Well Street Address 201 Waubesa Street				Original Well Owner					
Well City, Village or Town Madison				Well ZIP Code 53704					
Subdivision Name				Lot #		Present Well Owner Mark Meunier		Mailing Address of Present Owner 201 Waubesa Street	
Reason For Removal From Service Soil Boring				WI Unique Well # of Replacement Well		City of Present Owner Madison		State WI	
3. Well/Drillhole/Borehole Information						ZIP Code 53704		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 03/02/2015		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Screen removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:						<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Casing left in place?	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____						Was casing cut off below surface?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type:						Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock				Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) 17.5		Casing Diameter (in.)				If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) 3		Casing Depth (ft.)				If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet)				Required Method of Placing Sealing Material			
If yes, to what depth (feet)?						<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
						<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
5. Material Used to Fill Well / Drillhole						Sealing Materials			
						<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
						<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
						<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
Granular Bentonite				From (ft.) Surface		To (ft.) 17.5		No. Yards, Sacks Sealant of Volume (circle one) 0.86 ft ³	
								Mix Ratio or Mud Weight	
6. Comments									

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

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 forfeiture 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
- Waste Management
- Watershed/Wastewater
- Other: _____
- Remediation/Redevelopment

1. Well Location Information

County Dane	WI Unique Well No. Removed Well _____	Hicap # _____
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)
_____° _____' N		_____
_____° _____' W		_____
1/4 / 1/4 or Gov't Lot #	Section 5	Township 7 N
		Range 10
		<input checked="" type="checkbox"/> E <input type="checkbox"/> W

Well Street Address
201 Waubesa Street

Well City, Village or Town
Madison

Well ZIP Code
53704

Subdivision Name _____ Lot # _____

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

Reason For Removal From Service
Soil Boring

WI Unique Well # of Replacement Well _____

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

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

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 of Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	23	1.13 ft ³	

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	DNR Use Only	
Street or Route 126 N. Jefferson Street, Suite 400		Telephone Number 414-276-7742	Date Received	Noted By
City Milwaukee		State WI	ZIP Code 53202	Signature of Person Doing Work
			Date Signed	

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 forfeiture 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				2. Facility / Owner Information							
County Dane		WI Unique Well No. Removed Well _____		Hicap # _____		Facility Name Madison Kipp		Common Well Name B-199			
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W				Method Code (see instructions) _____							
1/4 / 1/4 or Gov't Lot #		Section 5		Township 7 N		Range 10		<input checked="" type="checkbox"/> E <input type="checkbox"/> W			
Well Street Address 201 Waubesa Street				Present Well Owner Mark Meunier							
Well City, Village or Town Madison				Well ZIP Code 53704				Mailing Address of Present Owner 201 Waubesa Street			
Subdivision Name				Lot #		City of Present Owner Madison		State WI		ZIP Code 53704	
Reason For Removal From Service Soil Boring				WI Unique Well # of Replacement Well _____				4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well/Drillhole/Borehole Information				Original Construction Date (mm/dd/yyyy) 03/03/2015				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type:				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Required Method of Placing Sealing Material				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Total Well Depth From Groundsurface (ft.) 19		Casing Diameter (in.)		Sealing Materials				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
Lower Drillhole Diameter (in.) 3		Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				For Monitoring Wells and Monitoring Well Boreholes Only:			
If yes, to what depth (feet)?		Depth to Water (feet)		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> 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 ft ³			
6. Comments											

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

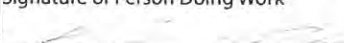
Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment 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				2. Facility / Owner Information							
County Dane		WI Unique Well No. / Removed Well _____		Hicap # _____		Facility Name Madison Kipp		Common Well Name B-200			
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W				Method Code (see instructions) _____							
1/4 / 1/4 or Gov't Lot #		Section 5		Township 7 N		Range 10		<input checked="" type="checkbox"/> E <input type="checkbox"/> W			
Well Street Address 201 Waubesa Street				Present Well Owner Mark Meunier							
Well City, Village or Town Madison				Well ZIP Code 53704				Mailing Address of Present Owner 201 Waubesa Street			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53704		
Reason For Removal From Service Soil Boring				WI Unique Well # of Replacement Well _____				4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well/Drillhole/Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A							
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 03/03/2015		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____							
If a Well Construction Report is available, please attach.				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips							
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry							
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? _____ Depth to Water (feet) _____							
5. Material Used to Fill Well / Drillhole				6. Comments							
Granular Bentonite		From (ft.) Surface	To (ft.) 23.5	No. Yards, Sacks Sealant or Volume (circle one) 1.15 ft ³	Mix Ratio or Mud Weight						

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

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 forfeiture 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 #
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)
_____ ° _____ ' N _____ ° _____ ' W		
1/4 / 1/4 or Gov't Lot #	Section SW 5	Township 7 N
		Range 10
Well Street Address 201 Waubesa Street		
Well City, Village or Town Madison		Well ZIP Code 53704
Subdivision Name		Lot #

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

Reason For Removal From Service Soil Boring	WI Unique Well # of Replacement Well
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	
Original Construction Date (mm/dd/yyyy) 03/03/2015	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 19	Casing Diameter (in.)
Lower Drillhole Diameter (in.) 3	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

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

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	

Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input checked="" type="checkbox"/> Granular Bentonite	<input type="checkbox"/> 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	19	0.93 ft ³	

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	DNR Use Only		
			Date Received	Noted By	
Street or Route 126 N. Jefferson Street, Suite 400		Telephone Number 414-276-7742	Comments		
City Milwaukee	State WI	ZIP Code 53202	Signature of Person Doing Work	Date Signed	

ARCADIS

Attachment C

Well Construction and Well
Development Form

Facility/Project Name Madison-Kipp		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> 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		Section Location of Waste/Source SW 1/4 of _____ 1/4 of Sec. 5 T. 7 R. 10 <input type="checkbox"/> E. <input type="checkbox"/> W.		Date Well Installed 03/04/2015	
Type of Well Well Code _____/_____		Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input type="checkbox"/> Downgradient <input type="checkbox"/> Not Known		Well Installed by: Name (first, last) and Firm Chip and Joel Giles Engineering	
Distance from Waste/ Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>				

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



- Cap and lock? Yes No
- Protective cover pipe:
 - Inside diameter: _____ in.
 - Length: _____ ft.
 - Material: Steel 04
Other --
 - Additional protection? Yes No
If yes, describe: _____
- Surface seal: Bentonite 30
Concrete 01
Other --
- Material between well casing and protective pipe: Bentonite 30
Annular space seal --
Other --
- Annular space seal:
 - Granular Bentonite 33
 - _____ Lbs/gal mud weight..... Bentonite-sand slurry 35
 - _____ Lbs/gal mud weight..Bentonite-cement grout 31
 - _____ % Bentonite..... Bentonite-cement grout 50
 - _____ Ft³ volume added for any of the above
- How installed: Tremie 01
Tremie pumped 02
Gravity 08
- Bentonite seal:
 - Granular Bentonite 33
 - 1/4 in. 3/8 in. 1/2 in. bentonite pellets 32
 - _____ Other --
- Fine sand Material: Manufacturer, product name and mesh size
 a. _____
 b. Volume added _____ ft³
- Filter pack material: Manufacturer, product name and mesh size
 a. _____
 b. Volume added _____ ft³
- Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 _____ Other --
- 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.
- 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.

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

Facility/Project Name Madison-Kipp	County Name Dane	Well Name MW-28	
Facility License, Permit or Monitoring Number	County Code 13	Wis. Unique Well Number	DNR Well Number

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. <u>27.27</u> ft.	<u>27.41</u> ft.
Date	b. <u>03/06/2015</u> mm/dd/yyyy	<u>03/06/2015</u> mm/dd/yyyy
Time	c. <u>09:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water Clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Cloudy</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>

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.

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

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

SB-198 (1-2)
A151002-01 (Soil)

Date Sampled
03/02/2015 13:30

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

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

SB-198 (4-5)

Date Sampled

A151002-02 (Soil)

03/02/2015 13:40

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

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

Dup-1
A151002-03 (Soil)

Date Sampled
03/02/2015 00:00

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	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (7-8)

Date Sampled

A151002-04 (Soil)

03/02/2015 13:50

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	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
<i>Surrogate: Decachlorobiphenyl</i>			66.7 %	59.1-127		03/04/2015	03/06/2015 03:47	EPA 8082A	D
<i>Surrogate: Tetrachloro-meta-xylene</i>			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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (9-10)

Date Sampled

A151002-05 (Soil)

03/02/2015 14:00

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (2-3)

Date Sampled

A151002-06 (Soil)

03/02/2015 14:30

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (5-6)

Date Sampled

A151002-07 (Soil)

03/02/2015 14:40

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (6-7)

Date Sampled

A151002-08 (Soil)

03/02/2015 14:50

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (9-10)

Date Sampled

A151002-09 (Soil)

03/02/2015 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: 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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (14-15)

Date Sampled

A151002-10 (Soil)

03/02/2015 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: 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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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

Project Number: <u>W1001368</u>				Lab Work Order #: <u>A151002</u>				Mail Report To: <u>Chris Kobacki</u>							
Project Name: <u>Madison Kipp</u>				Analyses Requested				Company: <u>ARCADIS</u>							
Project Location: <u>Madison, WI</u>				Preservation Codes				Address:							
Turn Around (circle one): <u>Normal</u> Rush				Matrix Total # of Containers <u>PBS 6082</u> <u>PBS homolog</u>				E-mail Address: <u>chris.kobacki@arcadis-us.com</u>							
If Rush, Report Due Date:								Invoice To: " "							
Sampled By (Print): <u>Jay Reed</u>				Company:				Address:							
Sample Description		Collection Date Time		Matrix	Total # of Containers	PBS 6082	PBS homolog					Comments	Lab ID	Lab Receipt Time	
<u>SB-198 (1-2)</u>		<u>3/2/15 13:30</u>		<u>SO</u>	<u>1</u>	<u>X</u>							<u>01</u>		
<u>SB-198 (4-5)</u>		<u>3/2/15 13:40</u>		<u>SO</u>	<u>2</u>	<u>X</u>						<u>MS/MSD</u>	<u>02</u>		
<u>DUP-1</u>		<u>3/2/15 -</u>		<u>SO</u>	<u>1</u>	<u>X</u>						<u>Duplicate</u>	<u>03</u>		
<u>SB-198 (7-8)</u>		<u>3/2/15 13:50</u>		<u>SO</u>	<u>1</u>	<u>X</u>							<u>04</u>		
<u>SB-198 (9-10)</u>		<u>3/2/15 14:00</u>		<u>SO</u>	<u>1</u>	<u>X</u>							<u>05</u>		
<u>SB-197 (2-3)</u>		<u>3/2/15 14:30</u>		<u>SO</u>	<u>1</u>	<u>X</u>	<u>X</u>					<u>per client HOLD</u>	<u>06</u>		
<u>SB-197 (5-6)</u>		<u>3/2/15 14:40</u>		<u>SO</u>	<u>1</u>	<u>X</u>	<u>X</u>					<u>HOMOLOG</u>	<u>07</u>		
<u>SB-197 (6-7)</u>		<u>3/2/15 14:50</u>		<u>SO</u>	<u>1</u>	<u>X</u>	<u>X</u>						<u>08</u>		
<u>SB-197 (9-10)</u>		<u>3/2/15 14:55</u>		<u>SO</u>	<u>1</u>	<u>X</u>	<u>X</u>						<u>09</u>		
<u>SB-197 (14-15)</u>		<u>3/2/15 15:05</u>		<u>SO</u>	<u>1</u>	<u>X</u>	<u>X</u>						<u>10</u>		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u> / ARCADIS				Date: <u>3/2/15</u> Time: <u>1552</u>		Received By: <u>[Signature]</u>				Date: <u>3/2/15</u> Time: <u>1552</u>	
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent Intact/Not Intact Seal #'s				Receipt Temp:				Temp Blank Y N <u>on ice</u>			
				Shipped Via: <u>hand del.</u>											



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 03/03/2015.

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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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
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.



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (1-2)
A151005-01 (Soil)

Date Sampled
03/03/2015 09:15

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (5-6)

Date Sampled

A151005-02 (Soil)

03/03/2015 09:25

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	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (8-9)

Date Sampled

A151005-03 (Soil)

03/03/2015 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: A503009

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (9-10)

Date Sampled

A151005-04 (Soil)

03/03/2015 09:35

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (12-13)

Date Sampled

A151005-05 (Soil)

03/03/2015 09:40

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	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-196 (16.3-17.3)

Date Sampled

A151005-06 (Soil)

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-201 (0.6-1.6)

Date Sampled

A151005-07 (Soil)

03/03/2015 10:50

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	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-201 (5-6)

Date Sampled

A151005-08 (Soil)

03/03/2015 11:00

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-201 (6.8-7.8)

Date Sampled

A151005-09 (Soil)

03/03/2015 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: 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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-201 (9-10)

Date Sampled

A151005-10 (Soil)

03/03/2015 11:30

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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



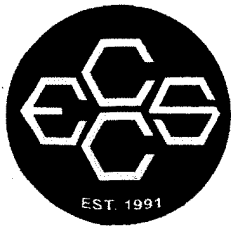
2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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

Project Number: <u>W2001368</u>				Lab Work Order #: <u>A151005</u>				Mail Report To: <u>Chris Kubacki</u>															
Project Name: <u>Madison Kipp</u>				Analyses Requested				Company: <u>ARCADIS</u>															
Project Location: <u>Madison, WI</u>				Preservation Codes				Address:															
Turn Around (circle one): <u>Normal</u> Rush				Matrix Total # of Containers <u>RBs 6082</u> <u>RBs handlog</u>				E-mail Address: <u>chris.kubacki@arcadis-us.com</u>															
If Rush, Report Due Date:								Invoice To:															
Sampled By (Print): <u>Jay Read</u>								Company:															
								Address:															
Sample Description		Collection Date Time		Matrix	Total # of Containers	<u>RBs 6082</u>	<u>RBs handlog</u>				Comments	Lab ID	Lab Receipt Time										
<u>SB-196 (1-2)</u>		<u>3/3/15</u>	<u>09:15</u>											<u>SO</u>	<u>1</u>	<u>X</u>						<u>01</u>	
<u>SB-196 (5-6)</u>			<u>09:25</u>												<u>1</u>	<u>X</u>						<u>02</u>	
<u>SB-196 (8-9)</u>			<u>09:30</u>												<u>1</u>	<u>X</u>						<u>03</u>	
<u>SB-196 (9-10)</u>			<u>09:35</u>												<u>1</u>	<u>X</u>						<u>04</u>	
<u>SB-196 (12-13)</u>			<u>09:40</u>												<u>1</u>	<u>X</u>						<u>05</u>	
<u>SB-196 (16.3-17.3)</u>			<u>10:00</u>												<u>1</u>	<u>X</u>						<u>06</u>	
<u>SB-201 (0.6-1.6)</u>			<u>10:50</u>												<u>1</u>	<u>X</u>						<u>07</u>	
<u>SB-201 (5-6)</u>			<u>11:00</u>												<u>1</u>	<u>X</u>						<u>08</u>	
<u>SB-201 (6.8-7.8)</u>			<u>11:25</u>												<u>1</u>	<u>X</u>						<u>09</u>	
<u>SB-201 (9-10)</u>			<u>11:30</u>												<u>1</u>	<u>X</u>						<u>10</u>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature] / ARCADIS</u>		Date: <u>3/3/15</u>	Time: <u>1343</u>	Received By: <u>[Signature]</u>		Date: <u>3/3/15</u>	Time: <u>1343</u>												
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent Intact/Not Intact Seal #'s			Receipt Temp: _____																
				Shipped Via: _____			Temp Blank Y N																



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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
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.



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (12-13)

Date Sampled

A151008-01 (Soil)

03/03/2015 13:55

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	0.31	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

Dup-2
A151008-02 (Soil)

Date Sampled
03/03/2015 00:00

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	0.78	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/06/2015	03/09/2015 14:15	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (16-17)

Date Sampled

A151008-03 (Soil)

03/03/2015 14:15

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	0.81	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (20.4-21.4)

Date Sampled

A151008-04 (Soil)

03/03/2015 14:40

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	0.80	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-198 (22-23)

Date Sampled

A151008-05 (Soil)

03/03/2015 14:45

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	0.0084	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (1-2)

Date Sampled

A151008-06 (Soil)

03/04/2015 11:00

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	0.0088	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (4-5)

Date Sampled

A151008-07 (Soil)

03/04/2015 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: 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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (8-9)

Date Sampled

A151008-08 (Soil)

03/04/2015 11:10

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	0.0082	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (10-10.6)

Date Sampled

A151008-09 (Soil)

03/04/2015 11:20

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	0.0079	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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (12-12.9)

Date Sampled

A151008-10 (Soil)

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		
----------	------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (16-17)

Date Sampled

A151008-11 (Soil)

03/04/2015 11:30

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 20:31	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		
----------	------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (20-21)

Date Sampled

A151008-12 (Soil)

03/04/2015 11:40

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	0.0079	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	
----------	------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (22-23)

Date Sampled

A151008-13 (Soil)

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		
----------	------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (24.4-25.4)

Date Sampled

A151008-14 (Soil)

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	
----------	------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-202 (28-28.7)

Date Sampled

A151008-15 (Soil)

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	
----------	------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (16.5-17.5)

Date Sampled

A151008-16 (Soil)

03/04/2015 13:55

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

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

Notes and Definitions

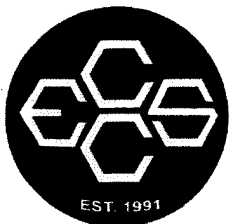
- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- J Analyte was detected but is below the reporting limit. 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

Project Number: <u>W1001368</u>				Lab Work Order #: <u>A151008</u>				Mail Report To: <u>Chris Kubacki</u>					
Project Name: <u>Madison Kipp</u>				Analyses Requested				Company: <u>ARCADIS</u>					
Project Location: <u>Madison, WI</u>				Preservation Codes				Address:					
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	<u>PCBs 6082</u>	<u>PCBs homolog</u>	E-mail Address: <u>chris_kubacki@arcadis-us.com</u>					
If Rush, Report Due Date:								Invoice To: <u> </u>					
Sampled By (Print): <u>J. Read</u>								Company:					
								Address:					
Sample Description	Collection		Matrix	Total # of Containers	PCBs 6082	PCBs homolog					Comments	Lab ID	Lab Receipt Time
	Date	Time											
<u>SB-198 (12-13)</u>	<u>3/3/15</u>	<u>13:15</u>	<u>SO</u>	<u>1</u>	<u>X</u>							<u>01</u>	
<u>DUP-2</u>	<u> </u>			<u>1</u>	<u>X</u>					<u>Duplicate</u>		<u>02</u>	
<u>SB-198 (16-17)</u>		<u>14:15</u>		<u>2</u>	<u>X</u>					<u>MS/MSD</u>		<u>03</u>	
<u>SB-198 (20.4-21.4)</u>		<u>14:40</u>		<u>1</u>	<u>X</u>							<u>04</u>	
<u>SB-198 (22-23)</u>	<u>↓</u>	<u>14:45</u>		<u>1</u>	<u>X</u>							<u>05</u>	
<u>SB-202 (1-2)</u>	<u>3/4/15</u>	<u>11:00</u>		<u>1</u>	<u>X</u>							<u>06</u>	
<u>SB-202 (4-5)</u>	<u> </u>	<u>11:05</u>		<u>1</u>	<u>X</u>							<u>07</u>	
<u>SB-202 (8-9)</u>		<u>11:10</u>		<u>1</u>	<u>X</u>							<u>08</u>	
<u>SB-202 (10-10.6)</u>		<u>11:20</u>		<u>1</u>	<u>X</u>							<u>09</u>	
<u>SB-202 (12-12.9)</u>	<u>↓</u>	<u>11:25</u>		<u>1</u>	<u>X</u>							<u>10</u>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u>		Date: <u>3/4/15</u>	Time: <u>1509</u>	Received By: <u>[Signature]</u>		Date: <u>3/4</u>	Time: <u>1509</u>		
				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			Receipt Temp:						
				Shipped Via:			Temp Blank Y N						



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

CHAIN OF CUSTODY

Project Number: <u>WZ001368</u>				Lab Work Order #: <u>A151008</u>				Mail Report To: <u>Chris Kubacki</u>						
Project Name: <u>Madison Klipp</u>				Analyses Requested				Company: <u>ARCADIS</u>						
Project Location: <u>Madison, WI</u>				Preservation Codes				Address:						
Turn Around (circle one): <u>Normal</u> Rush				Matrix Total # of Containers <u>PCBs 6082</u> <u>PCBs homolog</u>				E-mail Address: <u>chris_kubacki@arcadis-us.com</u>						
If Rush, Report Due Date:								Invoice To: <u>" "</u>						
Sampled By (Print): <u>J. Reed</u>				Company:				Address:						
Sample Description		Collection Date Time		Matrix	Total # of Containers	<u>PCBs 6082</u>	<u>PCBs homolog</u>					Comments	Lab ID	Lab Receipt Time
<u>SB-202 (16-17)</u>		<u>3/4/15 11:30</u>		<u>SO</u>	<u>1</u>	<u>X</u>							<u>11</u>	
<u>SB-202 (20-21)</u>		<u>11:40</u>			<u>1</u>	<u>X</u>							<u>12</u>	
<u>SB-202 (22-23)</u>		<u>11:50</u>			<u>1</u>	<u>X</u>							<u>13</u>	
<u>SB-202 (24.4-25.4)</u>		<u>12:05</u>			<u>1</u>	<u>X</u>							<u>14</u>	
<u>SB-202 (28-28.7)</u>		<u>12:10</u>			<u>1</u>	<u>X</u>							<u>15</u>	
<u>SB-197 (16.5-17.5)</u>		<u>13:55</u>			<u>1</u>	<u>X</u>	<u>X</u>						<u>16</u>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Relinquished By: <u>[Signature]</u>				Date:	Time:	Received By: <u>[Signature]</u>				Date:	Time:	
						<u>3/4/15</u>	<u>15:05</u>					<u>3/4</u>	<u>1505</u>	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: Present/Absent Intact/Not Intact Seal #'s				Receipt Temp:				Temp Blank Y N				
		Shipped Via:												



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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 NELAP 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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

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
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 initial dilution of greater than 1:10 and are qualified as diluted out. This report should replace "A 151011 FINAL 03 12 2015 1139".



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-201 (12-13)

Date Sampled

A151011-01 (Soil)

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		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-201 (16-17)

Date Sampled

A151011-02 (Soil)

03/04/2015 15:25

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	8.3	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

**SB-200 (1-2)
 A151011-03 (Soil)**

Date Sampled
 03/05/2015 09:15

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 15:13	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-200 (5.2-6.2)

Date Sampled
03/05/2015 09:20

A151011-04 (Soil)

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-200 (6.9-7.9)

Date Sampled
 03/05/2015 09:30

A151011-05 (Soil)

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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 17:47	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-200 (10.8-11.8)

Date Sampled
03/05/2015 09:35

A151011-06 (Soil)

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	0.30	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-200 (13-14)

Date Sampled

A151011-07 (Soil)

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-200 (16-17)

Date Sampled

A151011-08 (Soil)

03/05/2015 10:10

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	8.3	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-200 (18-19)

Date Sampled

A151011-09 (Soil)

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

Dup-3
A151011-10 (Soil)

Date Sampled
03/05/2015 00:00

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	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-200 (22.5-23.5)

Date Sampled
 03/05/2015 10:30

A151011-11 (Soil)

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 19:52	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-199 (1.2-2.2)

Date Sampled

A151011-12 (Soil)

03/05/2015 10:50

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 20:17	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

**SB-199 (5-6)
 A151011-13 (Soil)**

**Date Sampled
 03/05/2015 10:55**

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 20:42	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

SB-199 (6.3-7.3)

Date Sampled

A151011-14 (Soil)

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-199 (9.9-10.9)

Date Sampled
 03/05/2015 11:15

A151011-15 (Soil)

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 23:13	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-199 (12-13)

Date Sampled

A151011-16 (Soil)

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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-199 (16-17)

Date Sampled

A151011-17 (Soil)

03/05/2015 15:10

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	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
<i>Surrogate: Decachlorobiphenyl</i>			%	66.3-138		03/09/2015	03/10/2015 23:38	EPA 8082A	DO
<i>Surrogate: Tetrachloro-meta-xylene</i>			%	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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

SB-199 (17.7-18.7)

Date Sampled
 03/05/2015 15:15

A151011-18 (Soil)

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	0.016	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
<i>Surrogate: Decachlorobiphenyl</i>			83.3 %	66.3-138		03/09/2015	03/10/2015 12:41	EPA 8082A	D
<i>Surrogate: Tetrachloro-meta-xylene</i>			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	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

Revised Report

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

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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.

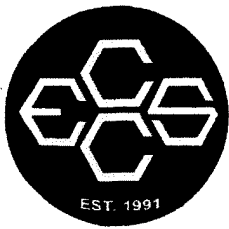
RPD Relative Percent Difference



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

CHAIN OF CUSTODY

Project Number: <u>W1001368</u>				Lab Work Order #: <u>A151011</u>				Mail Report To: <u>Chris Kubacki</u>					
Project Name: <u>Madison Kipp</u>				Analyses Requested				Company: <u>ARCADIS</u>					
Project Location: <u>Madison, WI</u>				Preservation Codes				Address: <u>Milwaukee</u>					
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	<u>PCBs GORL</u>	<u>PCBs homolog</u>				E-mail Address: <u>chris.kubacki@arcadis-us.com</u>		
If Rush, Report Due Date:											Invoice To: <u> </u>		
Sampled By (Print): <u>J. Read</u>											Company:		
											Address:		
Sample Description	Collection		Matrix	Total # of Containers	PCBs GORL	PCBs homolog					Comments	Lab ID	Lab Receipt Time
	Date	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) <u>MS/MSD</u>		10:00		2	X					<u>MS/MSD</u>		07	
SB-200 (16-17)		10:10		1	X							08	
SB-200 (18-19)		10:20		1	X							09	
DUP-3	✓	-	✓	1	X					<u>Duplicate</u>		10	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u>		Date: <u>3/5/15</u>	Time: <u>1623</u>	Received By: <u>[Signature]</u>		Date: <u>3/5</u>	Time: <u>1623</u>		
				Relinquished By:		Date:	Time:	Received By:		Date:	Time:		
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <u>Present</u> Absent Intact/Not Intact Seal #'s		Receipt Temp: <u>8°C</u> <u>SIN 130492013</u>		Temp Blank: <u>(Y) N</u> <u>EXP. 08-09-15</u>					
				Shipped Via: <u>PICK-UP</u>									



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

CHAIN OF CUSTODY

Project Number: <u>WI001368</u>				Lab Work Order #: <u>A151011</u>				Mail Report To: <u>Chris Kubacki</u>																							
Project Name: <u>Madison Kipp</u>				Analyses Requested				Company: <u>ARCADIS</u>																							
Project Location: <u>Madison, WI</u>				Preservation Codes				Address: <u>Milwaukee</u>																							
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; text-align: center;"> <tr> <td>Matrix</td> <td>Total # of Containers</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td><u>PBS 608.4</u></td> <td><u>PBS homolog</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers											<u>PBS 608.4</u>	<u>PBS homolog</u>							E-mail Address: <u>chris.kubacki@arcadis-us.com</u>			
Matrix	Total # of Containers																														
		<u>PBS 608.4</u>	<u>PBS homolog</u>																												
If Rush, Report Due Date:								Invoice To:																							
Sampled By (Print): <u>J. Read</u>								Company:																							
								Address:																							
Sample Description		Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time																	
		Date	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					<u>hold homolog</u>	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 ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u>				Date: <u>3/5/15</u>		Time: <u>1623</u>		Received By: <u>[Signature]</u>		Date: <u>3/15</u>		Time: <u>1623</u>															
				Relinquished By:				Date:		Time:		Received By:		Date:		Time:															
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <u>Present/Absent</u> Intact/Not Intact Seal #'s				Receipt Temp: <u>0.8°C</u>																							
				Shipped Via: <u>PICK-UP</u>				Temp Blank <u>(Y) N</u>																							



2525 Advance Road
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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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
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.



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-197 (14-15)

Date Sampled

A151210-01 (Soil)

03/02/2015 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ALS Group USA, Corp-NY

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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

SB-199 (9.9-10.9)

Date Sampled

A151210-02 (Soil)

03/05/2015 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ALS Group USA, Corp-NY

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	



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

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

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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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)

CHAIN OF CUSTODY

A151210

Lab Work Order #: <u>A1510TT</u>	Mail Report To: <u>Chris Kubacki</u>
Analyses Requested	Company: <u>ARCADIS</u>
Preservation Codes	Address: <u>Milwaukee</u>

Project Number: WJ001368

Project Name: Madison Kipp

Project Location: Madison, WI

Turn Around (circle one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): J. Read

E-mail Address: Chris.Kubacki@arcadis-us.com

Invoice To:
 Company:
 Address:

Sample Description	Collection		Matrix	Total # of Containers	PCBS 6084	PCBS homolog					Comments	Lab ID	Lab Receipt Time
	Date	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	XX						hold homolog	12	
SB-199 (5-6)		10:55		1	XX							13	
SB-199 (6.3-7.3)		11:05		1	XX							14	
SB-199 (9.9-10.9)		11:15		1	XX						Released for Homolog 3/17/15	15	02
SB-199 (12-13)		14:55		1	XX							16	
SB-199 (16-17)		15:10		1	XX							17	
SB-199 (17.7-18.7)		15:15		1	XX							18	
												19	

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)	Relinquished By: <u>[Signature]</u>	Date: <u>3/5/15</u>	Time: <u>1623</u>	Received By: <u>[Signature]</u>	Date: <u>3/15</u>	Time: <u>1623</u>
	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Matrix Codes A=Air S=Soil W=Water O=Other	Custody Seal: Present/Absent <u>()</u> Intact/Not Intact Seal #'s Shipped Via: <u>PICK-UP</u>	Receipt Temp: <u>0, 8°C</u> Temp Blank <u>(Y)</u> N
--	---	--



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:

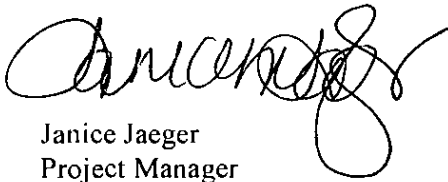
Enclosed are the results of the sample(s) submitted to our laboratory on March 18, 2015. For your reference, these analyses have been assigned our service request number **R1501887**.

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

Page 1 of 13

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

<u>Lab ID</u>	<u>Client ID</u>
R1501887-001	A151210-01
R1501887-002	A151210-02

00003



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/Aroclors).
- 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 ($\geq 100\%$ 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.



Rochester Lab ID # for State Certifications¹

NELAP Accredited	Maine ID #NY0032	New Hampshire ID #
Connecticut ID # PH0556	Nebraska Accredited	294100 A/B
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
Project: Madison Kipp - Madison WI
Sample Matrix: Soil
Sample Name: A151210-01
Lab Code: R1501887-001

Service Request: R1501887
Date Collected: 3/2/15 1505
Date Received: 3/18/15

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
 Project: Madison Kipp - Madison WI
 Sample Matrix: Soil

Service Request: R1501887
 Date Collected: 3/2/15 1505
 Date Received: 3/18/15
 Date Extracted: 3/19/15
 Date Analyzed: 3/20/15 11:00

Sample Name: A151210-01
 Lab Code: R1501887-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 93.8

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

Analytical Method: 680
 Prep Method: EPA 3541
 Data File Name: I:\ACQUADATA\5973B\DATA\032015\DK783.D\

Analysis Lot: 437114
 Extraction Lot: 231550
 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
Project: Madison Kipp - Madison WI
Sample Matrix: Soil
Sample Name: A151210-02
Lab Code: R1501887-002

Service Request: R1501887
Date Collected: 3/5/15 1115
Date Received: 3/18/15

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
 Project: Madison Kipp - Madison WI
 Sample Matrix: Soil

Service Request: R1501887
 Date Collected: 3/5/15 11:15
 Date Received: 3/18/15
 Date Extracted: 3/19/15
 Date Analyzed: 3/20/15 11:30

Sample Name: A151210-02
 Lab Code: R1501887-002

Units: µg/Kg
 Basis: Dry
 Percent Solids: 96.7

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

Analytical Method: 680
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973B\DATA\032015\DK784.D\

Analysis Lot: 437114
 Extraction Lot: 231550
 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
Project: Madison Kipp - Madison WI
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: R1501887-MB

Service Request: R1501887
Date Collected: NA
Date Received: NA

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
 Project: Madison Kipp - Madison WI
 Sample Matrix: Soil

Service Request: R1501887
 Date Collected: NA
 Date Received: NA
 Date Extracted: 3/19/15
 Date Analyzed: 3/20/15 08:35

Sample Name: Method Blank
 Lab Code: RQ1502629-01

Units: µg/Kg
 Basis: Dry

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

Analytical Method: 680
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973B\DATA\032015\DK778.D\

Analysis Lot: 437114
 Extraction Lot: 231550
 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	Dccachlorobiphenyls, 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	

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

Analyte Name	Lab Control Sample RQ1502629-02			Duplicate Lab Control Sample RQ1502629-03			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
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.



SUBCONTRACT ORDER

ECCS
A151210

R1501887 **5**
 ECCS Nationwide Mobile Laboratories
 Madison Kipp - Madison WI

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: Normal
 Rush

Project Name: Madison Kipp - Madison, WI

		Laboratory ID	Comments
Lab ID: A151210-01	Soil		
Subcontracted Analysis			PCB Homolog (680)
Containers Supplied:			
03_4oz WM Amber Glass			
Lab ID: A151210-02	Soil		
Subcontracted Analysis			PCB Homolog (680)
Containers Supplied:			

Released By: Kari-Ann Hillier Date: 3/17/15
 Received By: [Signature] Date: 3/18/15



Cooler Receipt and Preservation Check Form

R1501887 **5**
 ECCS Nationwide Mobile Laboratories
 Madison Klipp - Madison WI

Project/Client ECCS Folder Number R15-1887

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

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

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

Observed Temp (°C)	<u>1.8</u>						
Correction Factor (°C)	<u>-</u>						
Corrected Temp (°C)	<u>1.8°</u>						
Within 0-6°C?	<input checked="" type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> 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 [Signature] on 3/18/15 at 0950
 5035 samples placed in storage location: by on at

PC Secondary Review: [Signature] 3/18/15

Cooler Breakdown: Date: 3/18/15 Time: 1405 by: [Signature]

- Were all bottle labels complete (i.e. analysis, preservation, etc.)? (YES) NO
- Did all bottle labels and tags agree with custody papers? (YES) NO
- Were correct containers used for the tests indicated? (YES) NO
- 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	Yes=All samples OK
≥12	NaOH									No=Samples were preserved at The lab as listed
≤2	HNO ₃									
<2	H ₂ SO ₄									
<4	NaHSO ₄									PM OK to Adjust: <u> </u>
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).						
	Na ₂ S ₂ O ₃	-	-							
	ZnAcetate	-	-							
	HCl	**	**							**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: [Signature] 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?



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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	8
QC Association	9
Surrogate Summary	10
QC Sample Results	11
Chronicle	12
Certification Summary	13
Chain of Custody	14
Receipt Checklists	15



Case Narrative

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

TestAmerica Job ID: 500-93379-1

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 3.2° 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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

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

Matrix: Water

Date Received: 03/17/15 10:00

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

Definitions/Glossary

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

TestAmerica Job ID: 500-93379-1

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)

Lab Sample ID	Client Sample ID	TCX2 (50-120)	DCB2 (29-126)
LCS 500-280198/2-A	Lab Control Sample	88	91
LCS 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)

Lab Sample ID	Client Sample ID	TCX2 (50-120)	DCB2 (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

Matrix: Water

Analysis Batch: 280241

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Water

Analysis Batch: 280241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Matrix: Water

Analysis Batch: 280241

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 280198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

ID#:



CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order # 500-93379

Send Results to:	Contact & Company Name: Chris Kubacki ARCADIS		Telephone: 414.276.7742		Preservative	E														
	Address: 126 N. Jefferson St. #400		Fax: 414.276.7603		Filtered (✓)	<input checked="" type="checkbox"/>														
	City State Zip Milwaukee WI 53202		E-mail Address: Chris.Kubacki@arcadis-us.com		# of Containers	2														
	Project Name/Location (City, State): Madison Kipp Corp (Madison, WI)		Project #: WI0013428.0024.0001		Container Information	9														
Sampler's Printed Name: Nicole Dudek		Sampler's Signature: 		PARAMETER ANALYSIS & METHOD																
Sample ID		Collection		Type (✓)		Matrix		 500-93379 COC <div style="transform: rotate(-45deg); position: absolute; top: 20px; left: 20px; font-weight: bold;">PUBS - Dissolved</div> <div style="transform: rotate(-45deg); position: absolute; top: 40px; left: 20px; font-weight: bold;">Method 8082</div>										REMARKS		
		Date	Time	Comp	Grab															
MW-28		3/13/15	1240		<input checked="" type="checkbox"/>	W	2													

- Keys**
- Preservation Key:**
- A. H₂SO₄
 - B. HCL
 - C. HNO₃
 - 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
 - W - Water
 - T - Tissue
 - SE - Sediment
 - SL - Sludge
 - A - Air
 - NL - NAP/LOI
 - SW - Sample Wipe
 - 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 (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: Nicole Dudek	Signature: 	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: Sherri Scott	Signature: 
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Date/Time: 3/16/2015 1700	Firm/Courier:	Date/Time:	Firm/Courier:	Date/Time:	Firm: TA-CHI	Date/Time: 3/17/15 1000
Shipping Tracking #: 8060 7604 8628	Condition/Cooler Temp: 3.2								

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
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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-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.



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE01-WALL

Date Sampled

A151009-01 (Wipe)

03/04/2015 11:02

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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	
<i>Surrogate: Decachlorobiphenyl</i>		96.0 %		60-140	03/09/2015	03/11/2015 01:18	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		97.7 %		60-140	03/09/2015	03/11/2015 01:18	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE01-FLOOR

A151009-03 (Wipe)

Date Sampled
 03/04/2015 10:59

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE01-M1HORZ

A151009-04 (Wipe)

Date Sampled
 03/04/2015 10:10

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE01-M1VERT

A151009-05 (Wipe)

Date Sampled
 03/04/2015 10:04

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 01:43	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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE02-WALL

A151009-06 (Wipe)

Date Sampled
 03/04/2015 11:17

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE02-COLUMN

A151009-07 (Wipe)

Date Sampled
 03/04/2015 11:08

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE02-FLOOR

A151009-08 (Wipe)

Date Sampled
 03/04/2015 11:13

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-WALL

A151009-09 (Wipe)

Date Sampled
 03/04/2015 11:55

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 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-COLUMN

A151009-10 (Wipe)

Date Sampled
 03/04/2015 11:44

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 05:03	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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-FLOOR

A151009-11 (Wipe)

Date Sampled
 03/04/2015 11:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A503029

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
<i>Surrogate: Decachlorobiphenyl</i>		90.6 %		60-140	03/09/2015	03/11/2015 05:28	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		102 %		60-140	03/09/2015	03/11/2015 05:28	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-M2VERT

A151009-13 (Wipe)

Date Sampled
 03/04/2015 10:15

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 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-M3HORZ

A151009-14 (Wipe)

Date Sampled
 03/04/2015 10:28

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-M3VERT

A151009-15 (Wipe)

Date Sampled
03/04/2015 10:24

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 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE03-DUP

A151009-16 (Wipe)

Date Sampled
 03/04/2015 10:17

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 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE04-WALL

A151009-17 (Wipe)

Date Sampled
03/04/2015 11:24

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		96.5 %		60-140	03/09/2015	03/11/2015 07:58	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		103 %		60-140	03/09/2015	03/11/2015 07:58	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE04-COLUMN

A151009-18 (Wipe)

Date Sampled
03/04/2015 11:29

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		95.0 %		60-140	03/09/2015	03/11/2015 08:23	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		101 %		60-140	03/09/2015	03/11/2015 08:23	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE04-FLOOR

A151009-19 (Wipe)

Date Sampled
 03/04/2015 11:35

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 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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

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

MKC-WIPE04-DUP
A151009-20 (Wipe)

Date Sampled
03/04/2015 11:37

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		86.2 %		60-140	03/09/2015	03/11/2015 12:18	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		103 %		60-140	03/09/2015	03/11/2015 12:18	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE05-WALL

A151009-21 (Wipe)

Date Sampled
 03/04/2015 12:07

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	03/12/2015 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE05-FLOOR

A151009-23 (Wipe)

Date Sampled
 03/04/2015 12:19

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE06-WALL

A151009-24 (Wipe)

Date Sampled
 03/04/2015 14:24

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 00:49	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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE06-FLOOR

A151009-26 (Wipe)

Date Sampled
 03/04/2015 14:20

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		96.1 %		60-140	03/09/2015	03/13/2015 10:26	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		92.3 %		60-140	03/09/2015	03/13/2015 10:26	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE07-WALL

A151009-27 (Wipe)

Date Sampled
 03/04/2015 13:23

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 01:39	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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE07-COLUMN

A151009-28 (Wipe)

Date Sampled
 03/04/2015 12:27

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 06:40	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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE07-FLOOR

A151009-29 (Wipe)

Date Sampled
 03/04/2015 13:26

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE06-M21HORZ

A151009-30 (Wipe)

Date Sampled
 03/04/2015 10:38

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE06-M21VERT

A151009-31 (Wipe)

Date Sampled
03/04/2015 10:34

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		92.6 %		60-140	03/09/2015	03/13/2015 02:04	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		85.8 %		60-140	03/09/2015	03/13/2015 02:04	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE09-WALL

A151009-32 (Wipe)

Date Sampled
 03/04/2015 13:32

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		80.2 %		60-140	03/09/2015	03/13/2015 02:29	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		87.9 %		60-140	03/09/2015	03/13/2015 02:29	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE09-COLUMN

A151009-33 (Wipe)

Date Sampled
 03/04/2015 13:38

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 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE09-FLOOR

A151009-34 (Wipe)

Date Sampled
 03/04/2015 13:43

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE08-WALL

A151009-35 (Wipe)

Date Sampled
 03/04/2015 14:11

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 05:00	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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE08-FLOOR

A151009-37 (Wipe)

Date Sampled
 03/04/2015 14:08

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 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	
<i>Surrogate: Decachlorobiphenyl</i>		81.9 %		60-140	03/09/2015	03/13/2015 07:05	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>		73.9 %		60-140	03/09/2015	03/13/2015 07:05	EPA 8082A	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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	



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

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

MKC-WIPE10-FLOOR

A151009-40 (Wipe)

Date Sampled
 03/04/2015 13:58

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 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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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							
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.871</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>96.7</i>	<i>60-140</i>			
<i>Surrogate: Tetrachloro-meta-xylene</i>	<i>0.841</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>93.5</i>	<i>60-140</i>			

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			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.827</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>91.9</i>	<i>60-140</i>			
<i>Surrogate: Tetrachloro-meta-xylene</i>	<i>0.811</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>90.1</i>	<i>60-140</i>			

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							
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.940</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Tetrachloro-meta-xylene</i>	<i>0.870</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>96.7</i>	<i>60-140</i>			

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			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.889</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>98.8</i>	<i>60-140</i>			
<i>Surrogate: Tetrachloro-meta-xylene</i>	<i>0.835</i>		<i>ug/Wipe</i>	<i>0.9000</i>		<i>92.7</i>	<i>60-140</i>			



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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

Project Number: W1001368				Lab Work Order #: A151009				Mail Report To: Trena Seilheimer					
Project Name: Madison-Kipp - Wipe Sampling				Analyses Requested				Company: ARCADIS					
Project Location: Madison, WI				Preservation Codes				Address: 25 N Jefferson St Ste 400					
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	PCB Analyser					E-mail Address: trena.seilheimer@arcadis-us.com		
If Rush, Report Due Date:											Invoice To: same as above		
Sampled By (Print): Trena Seilheimer (ARCADIS)											Company:		
											Address:		
Sample Description	Collection		Matrix	Total # of Containers	PCB Analyser						Comments	Lab ID	Lab Receipt Time
	Date	Time											
MKC-WIPE01-WALL	3/4/15	1102	0	1	X							01	
MKC-WIPE01-COLUMN	3/4/15	1051	0	1	X							02	
MKC-WIPE01-FLOOR	3/4/15	1059	0	1	X							03	
MKC-WIPE01-MI HORIZ	3/4/15	1010	0	1	X							04	
MKC-WIPE01-MIVERT	3/4/15	1004	0	1	X							05	
MKC-WIPE02-WALL	3/4/15	1117	0	1	X							06	
MKC-WIPE02-COLUMN	3/4/15	1108	0	1	X							07	
MKC-WIPE02-FLOOR	3/4/15	1113	0	1	X							08	
MKC-WIPE03-WALL	3/4/15	1155	0	1	X							09	
MKC-WIPE03-COLUMN	3/4/15	1144	0	1	X							10	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <i>[Signature]</i>		Date: 3/4/15	Time: 1545	Received By: <i>[Signature]</i>		Date: 3-4-15	Time: 1545		
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <u>Present/Absent</u> Intact/Not Intact Seal #'s		Shipped Via: <u>WALK-IN</u>		Receipt Temp: <u>on ice</u>		Temp Blank Y N			



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

CHAIN OF CUSTODY

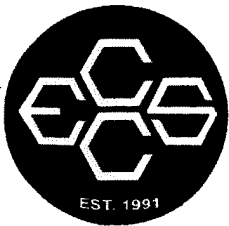
Project Number: W1001368				Lab Work Order #: <u>A151009</u>				Mail Report To:						
Project Name: <u>Madison-Kipp - Wipe Sampling</u>				Analyses Requested:				Company:						
Project Location: <u>Madison, WI</u>				Preservation Codes:				Address:						
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	PEB Annotator					E-mail Address:			
If Rush, Report Due Date:											Invoice To:			
Sampled By (Print):											Company:			
											Address:			
Sample Description	Collection		Matrix	Total # of Containers	PEB Annotator							Comments	Lab ID	Lab Receipt Time
	Date	Time												
MKC-WIPE03-FLOOR	3/4/15	1152	0	1	X								11	
MKC-WIPE03-M2HORZ	3/4/15	1019	0	1	X								12	
MKC-WIPE03-M2VERT	3/4/15	1015	0	1	X								13	
MKC-WIPE03-M3HORZ	3/4/15	1028	0	1	X								14	
MKC-WIPE03-M3VERT	3/4/15	1024	0	1	X								15	
MKC-WIPE03-DUP	3/4/15	1017	0	1	X								16	
MKC-WIPE04-WALL	3/4/15	1124	0	1	X								17	
MKC-WIPE04-COLUMN	3/4/15	1129	0	1	X								18	
MKC-WIPE04-FLOOR	3/4/15	1135	0	1	X								19	
MKC-WIPE04-DUP	3/4/15	1137	0	1	X								20	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u> Relinquished By: _____				Date: <u>3/4/15</u> Time: <u>1545</u>		Received By: <u>[Signature]</u> Received By: _____		Date: <u>3-4-15</u> Time: <u>1545</u>		
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent <u>(Absent)</u> Intact/Not Intact Seal #'s _____				Receipt Temp: <u>on ice</u> Temp Blank Y N						
				Shipped Via: <u>Walk-In</u>										



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

CHAIN OF CUSTODY

Project Number: W1001368				Lab Work Order #: A151009				Mail Report To:																							
Project Name: <i>Madison-Kipp - Wipe Sampling</i>				Analyses Requested				Company:																							
Project Location: <i>Madison, WI</i>				Preservation Codes				Address:																							
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td><td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td><td style="writing-mode: vertical-rl; transform: rotate(180deg);">PCB Analyser</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				A										Matrix	Total # of Containers	PCB Analyser								E-mail Address:			
A																															
Matrix	Total # of Containers	PCB Analyser																													
If Rush, Report Due Date:								Invoice To:																							
Sampled By (Print):								Company:																							
								Address:																							
Sample Description		Collection		Matrix	Total # of Containers	PCB Analyser							Comments	Lab ID	Lab Receipt Time																
		Date	Time																												
MKC-WIPE05-WALL		3/4/15 1207	1207	0	1	X								21																	
MKC-WIPE05-COLUMN		1213	1213	0	1	X								22																	
MKC-WIPE05-FLOOR		1219	1219	0	1	X								23																	
MKC-WIPE06-WALL		1424	1424	0	1	X								24																	
MKC-WIPE06-COLUMN		1428	1426	0	1	X								25																	
MKC-WIPE06-FLOOR		1420	1420	0	1	X								26																	
MKC-WIPE07-WALL		1323	1323	0	1	X								27																	
MKC-WIPE07-COLUMN		1227	1227	0	1	X								28																	
MKC-WIPE07-FLOOR		1326	1326	0	1	X								29																	
MKC-WIPE06-MZI HORZ		1038	1038	0	1	X								30																	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <i>[Signature]</i>				Date: 3/4/15		Time: 1545		Received By: <i>[Signature]</i>		Date: 3-4-15		Time: 1545															
				Relinquished By:				Date:		Time:		Received By:		Date:		Time:															
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent <u>Present</u> Intact/Not Intact Seal #'s				Receipt Temp: <u>on ice</u>																							
				Shipped Via: <u>WALK-IN</u>				Temp Blank Y N																							



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

CHAIN OF CUSTODY

Project Number: W1001368				Lab Work Order #: <u>A151009</u>				Mail Report To:						
Project Name: <u>Madison-Kipp - Wipe Sampling</u>				Analyses Requested				Company:						
Project Location: <u>Madison, WI</u>				Preservation Codes				Address:						
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	PCB Analytes					E-mail Address:			
If Rush, Report Due Date:											Invoice To:			
Sampled By (Print):											Company:			
											Address:			
Sample Description	Collection		Matrix	Total # of Containers	PCB Analytes							Comments	Lab ID	Lab Receipt Time
	Date	Time												
MKC-WIPE06-M21 VERT	3/4/15	1034	0	1	X								31	
MKC-WIPE09-WALL	3/4/15	1332	0	1	X								32	
MKC-WIPE09-COLUMN	3/4/15	1338	0	1	X								33	
MKC-WIPE09-FLOOR	3/4/15	1343	0	1	X								34	
MKC-WIPE08-WALL	3/4/15	1411	0	1	X								35	
MKC-WIPE08-COLUMN	3/4/15	1406	0	1	X								36	
MKC-WIPE08-FLOOR	3/4/15	1408	0	1	X								37	
MKC-WIPE10-WALL	3/4/15	1352	0	1	X								38	
MKC-WIPE10-COLUMN	3/4/15	1355	0	1	X								39	
MKC-WIPE10-FLOOR	3/4/15	1358	0	1	X								40	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u> Relinquished By:				Date: 3/4/15 Time: 1545		Received By: <u>[Signature]</u> Received By:		Date: 3-4-15 Time: 1545		
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present <u>Absent</u> Intact/Not Intact Seal #'s				Receipt Temp: <u>On Ice</u> Temp Blank Y N						
				Shipped Via: <u>Walk-In</u>										



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



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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.



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE01-FLOOR2

A151407-01 (Wipe)

Date Sampled
04/02/2015 07:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE02-FLOOR2

A151407-02 (Wipe)

Date Sampled
04/02/2015 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A504010

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE03-FLOOR2

A151407-03 (Wipe)

Date Sampled
04/02/2015 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A504010

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE03-FLOOR3

A151407-04 (Wipe)

Date Sampled
04/02/2015 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A504010

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE03-FLOOR4

A151407-05 (Wipe)

Date Sampled
04/02/2015 08:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A504010

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 Project Manager: Trenna Seilheimer

MKC-WIPE05-FLOOR2

A151407-06 (Wipe)

Date Sampled
04/02/2015 08:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A504010

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



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
 Project Number: W1001368
 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							
<i>Surrogate: Decachlorobiphenyl</i>	0.870		ug/Wipe	0.9000		96.7	60-140			
<i>Surrogate: Tetrachloro-meta-xylene</i>	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			
<i>Surrogate: Decachlorobiphenyl</i>	0.920		ug/Wipe	0.9000		102	60-140			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.947		ug/Wipe	0.9000		105	60-140			



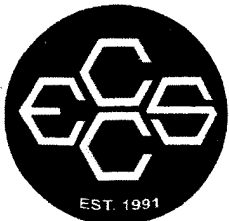
2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

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

Project: Madison Kipp - Madison, WI
Project Number: W1001368
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

Project Number: <u>W1001368</u>				Lab Work Order #: <u>A151407</u>				Mail Report To: <u>TRENNA SEILHEIMER</u>																			
Project Name: <u>MADISON KIPP - WIPE SAMPLING</u>				Analyses Requested				Company: <u>ARCADIS</u>																			
Project Location: <u>MADISON WI</u>				Preservation Codes				Address: <u>126 N. JEFFERSON ST. STE. 400</u>																			
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%; text-align:center;">A</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PUB AROCHLOR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				A								PUB AROCHLOR								E-mail Address: <u>TRENNA.SEILHEIMER@ARCADIS-US.COM</u>			
A																											
PUB AROCHLOR																											
If Rush, Report Due Date:								Invoice To: <u>SAME AS ABOVE</u>																			
Sampled By (Print): <u>TIM ALESSI (ARCADIS)</u>								Company:																			
								Address:																			
Sample Description		Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time													
		Date	Time																								
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-WIPE04-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 ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Relinquished By: <u>[Signature]</u>				Date: <u>4/2/15</u>	Time: <u>930</u>	Received By: <u>[Signature]</u>				Date: <u>04-02-15</u>	Time: <u>0930</u>														
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Intact/Not Intact Seal #'s				Shipped Via: <u>Walk In</u>		Receipt Temp: <u>On Ice</u>				Temp Blank Y N															



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: W1001368.0022.00001 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): 5.5 °C

SAMPLE SEALS INTACT: NA
¹**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)	

¹The 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.
²The 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.
³Samples 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.
⁴Samples 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.
⁵All 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 (\$)

GC - PCB



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

¹Qualifier 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.



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	2.40m ³	5.00 mL	NA

Analyte	CAS No.	Result (ug/m ³)	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

¹Qualifier 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.



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	2.40m ³	5.00 mL	NA

Analyte	CAS No.	Result (ug/m ³)	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

¹Qualifier 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.

Quality Control Samples (Lab)



**Quality Control Results
Method Blank**

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: 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	0.00m ³	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

¹Qualifier column where ^{NR} 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.



**Quality Control Results
Method Blank**

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: 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	0.00m ³	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

¹Qualifier 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.



**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	0.00m ³	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

¹Qualifier 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

¹Qualifier 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.



**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	0.00m ³	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

¹Qualifier 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

¹Qualifier 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.



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:	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	0.00m ³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q ¹	Limits (%)	Precision		
							LCS % Rec.	RPD	Q ¹
Aroclor 1242	53469-21-9	1.00	0.969	96.9		70.0-130	97.9	1.03	20

¹Qualifier 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

¹Qualifier 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.



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	0.00m ³	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q ¹	Limits (%)	Precision		
							LCS % Rec.	RPD	Q ¹
Aroclor 1242	53469-21-9	1.00	0.966	96.6		70.0-130	95.2	1.46	20

¹Qualifier 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

¹Qualifier 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.