



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

January 11, 2016

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 01/08/2016.

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

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
FDOH	Florida Secondary NELAP Accreditation	E871093	06/30/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2016
KDHE	Kansas Secondary NELAP Accreditation	E-10384	01/31/2016
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2016
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2016
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2014-153	08/31/2016
TCEQ	Texas Secondary NELAP Accreditation	T104704504-15-6	11/30/2016
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2016



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

Project: Madison Kipp - Madison, WI
Project Number: WI001368.0034
Project Manager: Chris Kubacki

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BP-SIDE-27	A160214-01	Soil	01/08/2016	01/08/2016

CASE NARRATIVE

Sample Receipt Information:

1 sample was received on 01/08/2016. Sample was received on ice. Sample was received in acceptable condition.

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



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ARCADIS 126 N Jefferson St., Ste 400 Milwaukee WI, 53202	Project: Madison Kipp - Madison, WI Project Number: WI001368.0034 Project Manager: Chris Kubacki
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BP-SIDE-27
A160214-01 (Soil)

Date Sampled
01/08/2016 10:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A601024

PCB-1016	ND	0.010	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	
PCB-1221	ND	0.0056	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	
PCB-1232	ND	0.0038	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	
PCB-1242	ND	0.0060	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	
PCB-1248	20	0.072	1.4	mg/kg dry	10	01/08/2016	01/11/2016 11:55	EPA 8082A	D
PCB-1254	15	0.060	1.4	mg/kg dry	10	01/08/2016	01/11/2016 11:55	EPA 8082A	D
PCB-1260	ND	0.0033	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	
Total PCBs	35	0.010	0.14	mg/kg dry	1	01/08/2016	01/08/2016 16:11	EPA 8082A	

Surrogate: Decachlorobiphenyl

88.3 % 66.3-138

01/08/2016

01/08/2016 16:11

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

89.0 % 61.6-142

01/08/2016

01/08/2016 16:11

EPA 8082A

Classical Chemistry Parameters

Preparation Batch: A601025

% Solids	73.4	0.00	% by Weight	1	01/08/2016	01/11/2016 13:48	SM 2540B		
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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
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Batch A601024 - EPA 3570

Blank (A601024-BLK1) Prepared: 01/08/2016 Analyzed: 01/08/2016 15:21

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							
<i>Surrogate: Decachlorobiphenyl</i>	0.214		mg/kg wet	0.2400		89.3	66.3-138			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.207		mg/kg wet	0.2400		86.2	61.6-142			

LCS (A601024-BS1) Prepared: 01/08/2016 Analyzed: 01/08/2016 15:46

PCB-1248	1.77	0.10	mg/kg wet	2.000		88.5	76.4-115			
<i>Surrogate: Decachlorobiphenyl</i>	0.215		mg/kg wet	0.2400		89.4	66.3-138			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.207		mg/kg wet	0.2400		86.3	61.6-142			

Matrix Spike (A601024-MS1) Source: A160214-01 Prepared: 01/08/2016 Analyzed: 01/11/2016 12:20

PCB-1248	13.3	1.4	mg/kg dry	2.723	19.6	NR	74.7-117			M1, D
<i>Surrogate: Decachlorobiphenyl</i>	0.283		mg/kg dry	0.3268		86.6	66.3-138			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.302		mg/kg dry	0.3268		92.3	61.6-142			

Matrix Spike Dup (A601024-MSD1) Source: A160214-01 Prepared: 01/08/2016 Analyzed: 01/08/2016 17:01

PCB-1248	8.42	0.14	mg/kg dry	2.723	19.6	NR	74.7-117	NR	20	M1
<i>Surrogate: Decachlorobiphenyl</i>	0.277		mg/kg dry	0.3268		84.8	66.3-138			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.291		mg/kg dry	0.3268		89.0	61.6-142			



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Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A601025 - % Solids

Duplicate (A601025-DUP1)	Source: A160214-01	Prepared: 01/08/2016	Analyzed: 01/11/2016 13:48		
% Solids	78.3	0.00 % by Weight	73.4	6.46	20



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Notes and Definitions

- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 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

