



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

March 02, 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 03/01/2016.

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	05/31/2016
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-61	A161003-01	Soil	03/01/2016	03/01/2016

**CASE NARRATIVE**

**Sample Receipt Information:**

1 sample was received on 03/01/2016. 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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**BP-SIDE-61**  
**A161003-01 (Soil)**

Date Sampled  
**03/01/2016 13:55**

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: A603004**

PCB-1016	ND	0.0097	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1248	ND	0.0070	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1254	ND	0.0058	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
Total PCBs	ND	0.0097	0.13	mg/kg dry	1	03/01/2016	03/01/2016 16:09	EPA 8082A	
Surrogate: Decachlorobiphenyl			92.1 %	66.3-138		03/01/2016	03/01/2016 16:09	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			91.3 %	61.6-142		03/01/2016	03/01/2016 16:09	EPA 8082A	

**Classical Chemistry Parameters**

**Preparation Batch: A603005**

<b>% Solids</b>	<b>76.0</b>		0.00	% by Weight	1	03/01/2016	03/02/2016 09:36	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 A603004 - EPA 3570**

**Blank (A603004-BLK1)** Prepared: 03/01/2016 Analyzed: 03/01/2016 12:16

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	0.246		mg/kg wet	0.2400		103	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.253		mg/kg wet	0.2400		105	61.6-142			

**LCS (A603004-BS1)** Prepared: 03/01/2016 Analyzed: 03/01/2016 12:41

PCB-1254	2.15	0.10	mg/kg wet	2.000		107	74-128			
Surrogate: Decachlorobiphenyl	0.240		mg/kg wet	0.2400		100	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.266		mg/kg wet	0.2400		111	61.6-142			

**Matrix Spike (A603004-MS1)** Source: A161003-01 Prepared: 03/01/2016 Analyzed: 03/01/2016 16:34

PCB-1254	2.55	0.13	mg/kg dry	2.630	ND	96.8	50.3-155			
Surrogate: Decachlorobiphenyl	0.291		mg/kg dry	0.3157		92.2	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.307		mg/kg dry	0.3157		97.2	61.6-142			

**Matrix Spike Dup (A603004-MSD1)** Source: A161003-01 Prepared: 03/01/2016 Analyzed: 03/01/2016 16:59

PCB-1254	2.58	0.13	mg/kg dry	2.630	ND	97.9	50.3-155	1.16	20	
Surrogate: Decachlorobiphenyl	0.295		mg/kg dry	0.3157		93.4	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.312		mg/kg dry	0.3157		99.0	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 A603005 - % Solids**

<b>Duplicate (A603005-DUP1)</b>	<b>Source: A161003-01</b>	Prepared: 03/01/2016 Analyzed: 03/02/2016 09:36								
% Solids	76.0	0.00	% by Weight		76.0			0.0629	20	



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**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



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 4894

Page: 1 of 1

Project Number: <u>W100136B.0034</u> PO Number:				Lab Work Order #: <u>A161003</u>				Report To: <u>Alina Sattoski, Chris Kukacki</u>			
Project Name: <u>MKC Bike Path Excavation</u>				Preservation Codes				Company: <u>MKC, Arcadis</u>			
Project Location (City, State): <u>Madison, WI</u>				Analyses Requested: <u>A</u>				Address 1: <u>201 Waukesha St. Madison, WI</u>			
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				Matrix: <u>PCBS</u> Total # of Containers: <u>1</u>				E-mail Address: <u>same as before</u>			
If Rush, Report Due Date: <u>24-hr TAT (please call early w/ wet results)</u>								Invoice To: <u>ARCADIS</u>			
Sampled By (Print): <u>Maureen O'Brien</u>				Sample Description				Company: <u>MKC</u>			
								Address 1:			
								Address 2:			
								Comments		Lab ID	Lab Receipt Time
<u>BP-SIDE-101</u>				<u>3/1/16 1355</u>				<u>S 1 1</u>		<u>Box ID: RT TBS</u>	<u>01</u>
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>		Relinquished By: <u>Maureen O'Brien</u>		Date: <u>3/1/16</u>	Time: <u>1415</u>	Received By: <u>[Signature]</u>		Date: <u>03-01-16</u>	Time: <u>1455</u>
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:		Date:	Time:
Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via:		Receipt Temp: <u>on ice</u>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	