



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

February 25, 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 02/25/2016.

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 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

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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ARCADIS
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-56	A160904-01	Soil	02/25/2016	02/25/2016

CASE NARRATIVE

Sample Receipt Information:

1 sample was received on 02/25/2016. 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-56
A160904-01 (Soil)

Date Sampled
02/25/2016 10:28

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: A602070

PCB-1016	ND	0.0093	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1221	ND	0.0051	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1232	ND	0.0035	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1242	ND	0.0055	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1248	ND	0.0066	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1254	4.2	0.0055	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
PCB-1260	1.2	0.0030	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	
Total PCBs	5.4	0.0093	0.13	mg/kg dry	1	02/25/2016	02/25/2016 13:54	EPA 8082A	

Surrogate: Decachlorobiphenyl 77.2 % 66.3-138 02/25/2016 02/25/2016 13:54 EPA 8082A

Surrogate: Tetrachloro-meta-xylene 91.3 % 61.6-142 02/25/2016 02/25/2016 13:54 EPA 8082A

Classical Chemistry Parameters

Preparation Batch: A602071

% Solids	80.0		0.00	% by Weight	1	02/25/2016	02/25/2016 16:53	SM 2540B	
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 Project Number: WI001368.0034
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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 A602070 - EPA 3570

Blank (A602070-BLK1)

Prepared: 02/25/2016 Analyzed: 02/25/2016 15:08

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	0.191		mg/kg wet	0.2400		79.7	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.223		mg/kg wet	0.2400		93.0	61.6-142			

LCS (A602070-BS1)

Prepared: 02/25/2016 Analyzed: 02/25/2016 13:29

PCB-1254	1.91	0.10	mg/kg wet	2.000		95.4	74-128			
Surrogate: Decachlorobiphenyl	0.193		mg/kg wet	0.2400		80.6	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.218		mg/kg wet	0.2400		90.8	61.6-142			

Matrix Spike (A602070-MS1)

Source: A160904-01

Prepared: 02/25/2016 Analyzed: 02/25/2016 14:18

PCB-1254	6.44	0.13	mg/kg dry	2.502	4.16	91.5	50.3-155			
Surrogate: Decachlorobiphenyl	0.245		mg/kg dry	0.3002		81.6	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.308		mg/kg dry	0.3002		102	61.6-142			

Matrix Spike Dup (A602070-MSD1)

Source: A160904-01

Prepared: 02/25/2016 Analyzed: 02/25/2016 14:43

PCB-1254	5.60	0.13	mg/kg dry	2.502	4.16	57.8	50.3-155	45.1	20	X
Surrogate: Decachlorobiphenyl	0.229		mg/kg dry	0.3002		76.3	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.273		mg/kg dry	0.3002		91.0	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 A602071 - % Solids

Duplicate (A602071-DUP1)	Source: A160904-01	Prepared: 02/25/2016 Analyzed: 02/25/2016 16:53				
% Solids	79.4	0.00	% by Weight	80.0	0.712	20



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Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- 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
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CHAIN OF CUSTODY

No. 4588

Page: 1 of 1

Project Number: W100368.0034 PO Number:		Lab Work Order #: A160904				Report To: Alina Sedtkoski, Chris Kobacki					
Project Name: MKC Bike Path Excavation		Preservation Codes				Company: MKC, Arcadis					
Project Location (City, State): Madison, WI		Analyses Requested: A				Address 1: 2011 Newberry St. Madison, WI					
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		Matrix	Total # of Containers	PCBs			Address 2: 1216 N Jefferson St. Milwaukee, WI				
If Rush, Report Due Date: 24-hr TAT							E-mail Address: same as previous				
Sampled By (Print): Maura O'Brien							Invoice To: Alina S.				
Sample Description							Company: MKC				
		Collection				Address 1:					
		Date	Time			Address 2:					
BP-SIDE-56		2/25/16	1028	S	1	1	Comments				
							Box ID: RT 4244 j				
							Lab ID				
							Lab Receipt Time				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: Maura O'Brien		Date: 2/25/16	Time: 1100	Received By: [Signature]	Date: 02/25/16	Time: 1100	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: Pick-up		Receipt Temp: On-ice		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	