



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

January 18, 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 01/15/2016.

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-38	A160305-01	Soil	01/15/2016	01/15/2016
BP-SIDE-39	A160305-02	Soil	01/15/2016	01/15/2016
BP-BOT-40	A160305-03	Soil	01/15/2016	01/15/2016

CASE NARRATIVE

Sample Receipt Information:

3 samples were received on 01/15/2016. Samples were received on ice. Samples were received in acceptable condition.

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



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ARCADIS 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-38
A160305-01 (Soil)

Date Sampled
 01/15/2016 12:20

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: A601044

PCB-1016	ND	0.0099	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1221	ND	0.0055	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1242	ND	0.0059	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1248	ND	0.0071	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1254	6.0	0.0059	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	
Total PCBs	6.0	0.0099	0.13	mg/kg dry	1	01/15/2016	01/15/2016 18:35	EPA 8082A	

Surrogate: Decachlorobiphenyl

81.7 % 66.3-138

01/15/2016

01/15/2016 18:35

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

91.7 % 61.6-142

01/15/2016

01/15/2016 18:35

EPA 8082A

Classical Chemistry Parameters

Preparation Batch: A601045

% Solids	74.8	0.00	% by Weight	1	01/15/2016	01/18/2016 10:04	SM 2540B		
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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-39
A160305-02 (Soil)

Date Sampled
 01/15/2016 12:25

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: A601044

PCB-1016	ND	0.0097	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1248	ND	0.0070	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1254	0.16	0.0058	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
Total PCBs	0.16	0.0097	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:00	EPA 8082A	
Surrogate: Decachlorobiphenyl			83.7 %	66.3-138		01/15/2016	01/15/2016 19:00	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			83.5 %	61.6-142		01/15/2016	01/15/2016 19:00	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601045

% Solids	76.0		0.00	% by Weight	1	01/15/2016	01/18/2016 10:04	SM 2540B	
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 Project Manager: Chris Kubacki

BP-BOT-40
A160305-03 (Soil)

Date Sampled
01/15/2016 12:45

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: A601044

PCB-1016	ND	0.0095	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
PCB-1221	ND	0.0053	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
PCB-1232	ND	0.0036	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
PCB-1242	ND	0.0056	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
PCB-1248	ND	0.0068	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
PCB-1254	0.042	0.0056	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	J
PCB-1260	ND	0.0031	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	
Total PCBs	0.042	0.0095	0.13	mg/kg dry	1	01/15/2016	01/15/2016 19:25	EPA 8082A	J
Surrogate: Decachlorobiphenyl			83.2 %	66.3-138		01/15/2016	01/15/2016 19:25	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			84.3 %	61.6-142		01/15/2016	01/15/2016 19:25	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601045

% Solids	78.0		0.00	% by Weight	1	01/15/2016	01/18/2016 10:04	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 A601044 - EPA 3570

Blank (A601044-BLK1)

Prepared: 01/15/2016 Analyzed: 01/15/2016 16:31

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	0.215		mg/kg wet	0.2400		89.7	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.206		mg/kg wet	0.2400		85.9	61.6-142			

LCS (A601044-BS1)

Prepared: 01/15/2016 Analyzed: 01/15/2016 16:56

PCB-1248	1.82	0.10	mg/kg wet	2.000		90.8	76.4-115			
Surrogate: Decachlorobiphenyl	0.218		mg/kg wet	0.2400		90.6	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.207		mg/kg wet	0.2400		86.2	61.6-142			

Matrix Spike (A601044-MS1)

Source: A160305-03

Prepared: 01/15/2016 Analyzed: 01/15/2016 19:50

PCB-1248	2.39	0.13	mg/kg dry	2.563	ND	93.2	74.7-117			
Surrogate: Decachlorobiphenyl	0.267		mg/kg dry	0.3075		86.9	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.286		mg/kg dry	0.3075		93.0	61.6-142			

Matrix Spike Dup (A601044-MSD1)

Source: A160305-03

Prepared: 01/15/2016 Analyzed: 01/15/2016 20:15

PCB-1248	2.31	0.13	mg/kg dry	2.563	ND	90.2	74.7-117	3.30	20	
Surrogate: Decachlorobiphenyl	0.254		mg/kg dry	0.3075		82.7	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.262		mg/kg dry	0.3075		85.3	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 A601045 - % Solids

Duplicate (A601045-DUP1)	Source: A160305-03	Prepared: 01/15/2016		Analyzed: 01/18/2016 10:04	
% Solids	77.3	0.00	% by Weight	78.0	0.935 20



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Notes and Definitions

- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- 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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: Alina Satkoski
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)
Contact: Alina Satkoski
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: A160305
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Sample #		Comments
Project Name		Lab Project #		Matrix		Date		Time		
Project Location/State		Lab PM		# of Containers		Date		Time		Comments
Sampler		Lab PM		Matrix		Date		Time		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Date	Time	Sample #	Comments
		BP-SIDE-38	1/15/16	1220	1	PCBS			01	
		BP-SIDE-39	1/15/16	1225	1	PCBS			02	
		BP-POT-40	1/15/16	1245	1	PCBS			03	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other _____
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Alina Satkoski</u> Company: <u>MKE</u> Date: <u>1/15/16</u> Time: <u>1300</u>	Received By <u>Eric Pace</u> Company: <u>EECS/PACE</u> Date: <u>1/15/16</u> Time: <u>1310</u>
Relinquished By _____ Company: _____ Date: _____ Time: _____	Received By _____ Company: _____ Date: _____ Time: _____
Relinquished By _____ Company: _____ Date: _____ Time: _____	Received By _____ Company: _____ Date: _____ Time: _____

Lab Courier: _____
Shipped: _____
Hand Delivered: _____

- Matrix Key
- | | |
|--------------------|---------------------|
| WW - Wastewater | SE - Sediment |
| W - Water | SO - Soil |
| S - Soil | L - Leachate |
| SL - Sludge | WI - Wipe |
| MS - Miscellaneous | DW - Drinking Water |
| OL - Oil | O - Other |
| A - Air | |

Client Comments

Lab Comments: