



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

January 08, 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 01/06/2016.

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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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
EQUIP BLANK	A160208-01	Water	01/06/2016	01/06/2016
DUP-1	A160208-02	Soil	01/06/2016	01/06/2016
BP-SIDE-15	A160208-03	Soil	01/06/2016	01/06/2016
BP-SIDE-18	A160208-04	Soil	01/06/2016	01/06/2016
BP-BOT-19	A160208-05	Soil	01/06/2016	01/06/2016
BP-SIDE-20	A160208-06	Soil	01/06/2016	01/06/2016
BP-SIDE-21	A160208-07	Soil	01/06/2016	01/06/2016
BP-BOT-22	A160208-08	Soil	01/06/2016	01/06/2016
BP-SIDE-23	A160208-09	Soil	01/06/2016	01/06/2016
BP-BOT-24	A160208-10	Soil	01/06/2016	01/06/2016
BP-SIDE-25	A160208-11	Soil	01/06/2016	01/06/2016
BP-SIDE-26	A160208-12	Soil	01/06/2016	01/06/2016

CASE NARRATIVE

Sample Receipt Information:

12 samples were received on 01/06/2016. 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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EQUIP BLANK
A160208-01 (Water)

Date Sampled
 01/06/2016 17:00

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: A601019

PCB-1016	ND	0.035	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	01/07/2016	01/07/2016 17:34	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			86.6 %	57.5-159		01/07/2016	01/07/2016 17:34	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			80.7 %	74.1-141		01/07/2016	01/07/2016 17:34	EPA 8082A	



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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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DUP-1
A160208-02 (Soil)

Date Sampled
01/06/2016 00:00

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: A601006

PCB-1016	ND	0.0097	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1248	ND	0.0070	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1254	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	
Total PCBs	ND	0.0097	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:10	EPA 8082A	

Surrogate: Decachlorobiphenyl			87.4 %	66.3-138		01/06/2016	01/06/2016 23:10	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			92.4 %	61.6-142		01/06/2016	01/06/2016 23:10	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	75.9		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-15
A160208-03 (Soil)

Date Sampled
01/06/2016 15:50

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: A601006

PCB-1016	ND	0.0095	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1221	ND	0.0052	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1232	ND	0.0036	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1242	ND	0.0056	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1248	1.0	0.0068	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1254	0.75	0.0056	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
PCB-1260	ND	0.0031	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
Total PCBs	1.8	0.0095	0.13	mg/kg dry	1	01/06/2016	01/06/2016 23:35	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			89.0 %	66.3-138		01/06/2016	01/06/2016 23:35	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			90.4 %	61.6-142		01/06/2016	01/06/2016 23:35	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	78.1		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-18
A160208-04 (Soil)

Date Sampled
 01/06/2016 15:53

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: A601006

PCB-1016	ND	0.0093	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1221	ND	0.0052	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1232	ND	0.0035	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1242	ND	0.0056	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1248	0.59	0.0067	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1254	0.53	0.0056	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
PCB-1260	ND	0.0030	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
Total PCBs	1.1	0.0093	0.13	mg/kg dry	1	01/06/2016	01/07/2016 00:00	EPA 8082A	
Surrogate: Decachlorobiphenyl			91.5 %	66.3-138		01/06/2016	01/07/2016 00:00	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			92.6 %	61.6-142		01/06/2016	01/07/2016 00:00	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	79.2		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-BOT-19
A160208-05 (Soil)

Date Sampled
01/06/2016 15:32

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: A601006

PCB-1016	ND	0.0095	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1221	ND	0.0053	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1232	ND	0.0036	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1242	ND	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1248	ND	0.0068	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1254	ND	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
PCB-1260	ND	0.0031	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	
Total PCBs	ND	0.0095	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:05	EPA 8082A	

Surrogate: Decachlorobiphenyl			91.7 %	66.3-138		01/06/2016	01/07/2016 02:05	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			92.0 %	61.6-142		01/06/2016	01/07/2016 02:05	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	77.6		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-20
A160208-06 (Soil)

Date Sampled
01/06/2016 15:35

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: A601006

PCB-1016	ND	0.0097	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1248	1.8	0.0070	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1254	1.9	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
Total PCBs	3.7	0.0097	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:30	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			91.4 %	66.3-138		01/06/2016	01/07/2016 02:30	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			92.5 %	61.6-142		01/06/2016	01/07/2016 02:30	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	76.2		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-21
A160208-07 (Soil)

Date Sampled
01/06/2016 16:08

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: A601006

PCB-1016	ND	0.0096	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1221	ND	0.0053	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1232	ND	0.0036	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1242	ND	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1248	1.1	0.0069	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1254	1.2	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
PCB-1260	ND	0.0031	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
Total PCBs	2.3	0.0096	0.13	mg/kg dry	1	01/06/2016	01/07/2016 02:55	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			91.8 %	66.3-138		01/06/2016	01/07/2016 02:55	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			92.2 %	61.6-142		01/06/2016	01/07/2016 02:55	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	77.1		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-BOT-22
A160208-08 (Soil)

Date Sampled
 01/06/2016 16:13

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: A601006

PCB-1016	ND	0.0095	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
PCB-1221	ND	0.0053	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
PCB-1232	ND	0.0036	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
PCB-1242	ND	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
PCB-1248	0.047	0.0068	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	J
PCB-1254	ND	0.0057	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
PCB-1260	ND	0.0031	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	
Total PCBs	0.047	0.0095	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:19	EPA 8082A	J

Surrogate: Decachlorobiphenyl			89.5 %	66.3-138		01/06/2016	01/07/2016 03:19	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			89.1 %	61.6-142		01/06/2016	01/07/2016 03:19	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	77.5		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	SM 2540B	
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BP-SIDE-23
A160208-09 (Soil)

Date Sampled
01/06/2016 16:15

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: A601006

PCB-1016	ND	0.0098	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1248	ND	0.0070	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1254	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
Total PCBs	ND	0.0098	0.13	mg/kg dry	1	01/06/2016	01/07/2016 03:44	EPA 8082A	
Surrogate: Decachlorobiphenyl			88.3 %	66.3-138		01/06/2016	01/07/2016 03:44	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			90.5 %	61.6-142		01/06/2016	01/07/2016 03:44	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	75.7		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-BOT-24
A160208-10 (Soil)

Date Sampled
 01/06/2016 16:25

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: A601006

PCB-1016	ND	0.0098	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1221	ND	0.0054	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1232	ND	0.0037	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1242	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1248	0.25	0.0070	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1254	ND	0.0058	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	
Total PCBs	0.25	0.0098	0.13	mg/kg dry	1	01/06/2016	01/07/2016 04:10	EPA 8082A	

Surrogate: Decachlorobiphenyl			91.4 %	66.3-138		01/06/2016	01/07/2016 04:10	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			92.1 %	61.6-142		01/06/2016	01/07/2016 04:10	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	75.6		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	SM 2540B	
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 608.221.8700 Phone
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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-25
A160208-11 (Soil)

Date Sampled
01/06/2016 16:27

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: A601006

PCB-1016	ND	0.0092	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1221	ND	0.0051	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1232	ND	0.0035	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1242	ND	0.0055	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1248	ND	0.0066	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1254	ND	0.0055	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
PCB-1260	ND	0.0030	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
Total PCBs	ND	0.0092	0.12	mg/kg dry	1	01/06/2016	01/07/2016 04:35	EPA 8082A	
Surrogate: Decachlorobiphenyl			90.7 %	66.3-138		01/06/2016	01/07/2016 04:35	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			97.3 %	61.6-142		01/06/2016	01/07/2016 04:35	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	80.4		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	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-26
A160208-12 (Soil)

Date Sampled
01/06/2016 16:30

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: A601006

PCB-1016	ND	0.0099	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1221	ND	0.0055	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1232	ND	0.0038	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1242	ND	0.0059	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1248	0.65	0.0071	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1254	5.5	0.0059	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
PCB-1260	ND	0.0032	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
Total PCBs	6.1	0.0099	0.13	mg/kg dry	1	01/06/2016	01/07/2016 05:00	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			85.8 %	66.3-138		01/06/2016	01/07/2016 05:00	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			89.1 %	61.6-142		01/06/2016	01/07/2016 05:00	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A601013

% Solids	74.5		0.00	% by Weight	1	01/06/2016	01/07/2016 10:00	SM 2540B	
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Project Number: WI001368.0034
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
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Batch A601006 - EPA 3570

Blank (A601006-BLK1)		Prepared: 01/06/2016 Analyzed: 01/06/2016 14:09								
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	0.216		mg/kg wet	0.2400		89.8	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.217		mg/kg wet	0.2400		90.2	61.6-142			

LCS (A601006-BS1)		Prepared: 01/06/2016 Analyzed: 01/06/2016 13:44								
PCB-1248	1.83	0.10	mg/kg wet	2.000		91.6	76.4-115			
Surrogate: Decachlorobiphenyl	0.214		mg/kg wet	0.2400		89.3	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.211		mg/kg wet	0.2400		88.0	61.6-142			

Matrix Spike (A601006-MS1)		Source: A160206-01		Prepared: 01/06/2016 Analyzed: 01/06/2016 21:05						
PCB-1248	352	13	mg/kg dry	2.691	324	NR	74.7-117			M1, D
Surrogate: Decachlorobiphenyl	0.271		mg/kg dry	0.3229		84.0	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.283		mg/kg dry	0.3229		87.7	61.6-142			

Matrix Spike Dup (A601006-MSD1)		Source: A160206-01		Prepared: 01/06/2016 Analyzed: 01/06/2016 21:30						
PCB-1248	328	13	mg/kg dry	2.691	324	130	74.7-117	156	20	M1, D
Surrogate: Decachlorobiphenyl	0.270		mg/kg dry	0.3229		83.6	66.3-138			
Surrogate: Tetrachloro-meta-xylene	0.287		mg/kg dry	0.3229		89.0	61.6-142			

Batch A601019 - EPA 3511

Blank (A601019-BLK1)		Prepared: 01/07/2016 Analyzed: 01/07/2016 16:44								
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Decachlorobiphenyl	0.683		ug/L	0.7500		91.0	57.5-159			
Surrogate: Tetrachloro-meta-xylene	0.605		ug/L	0.7500		80.7	74.1-141			



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 Project Number: WI001368.0034
 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
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Batch A601019 - EPA 3511

LCS (A601019-BS1)

Prepared: 01/07/2016 Analyzed: 01/07/2016 15:54

PCB-1248	10.7	0.13	ug/L	12.50		85.3	70-130			
Surrogate: Decachlorobiphenyl	0.611		ug/L	0.7500		81.5	57.5-159			
Surrogate: Tetrachloro-meta-xylene	0.556		ug/L	0.7500		74.2	74.1-141			

LCS Dup (A601019-BSD1)

Prepared: 01/07/2016 Analyzed: 01/08/2016 10:54

PCB-1248	10.8	0.13	ug/L	12.50		86.3	70-130	1.16	20	
Surrogate: Decachlorobiphenyl	0.631		ug/L	0.7500		84.1	57.5-159			
Surrogate: Tetrachloro-meta-xylene	0.581		ug/L	0.7500		77.5	74.1-141			



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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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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 A601013 - % Solids

Duplicate (A601013-DUP1)	Source: A160206-01	Prepared: 01/06/2016 Analyzed: 01/07/2016 10:00				
% Solids	73.8	0.00	% by Weight	74.3	0.711	20



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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

Notes and Definitions

- 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.
- 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

ID# **A160208**

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #
MKC-Bike-Path-012016

Send Results to:	Contact & Company Name: Chris Kurocki / ARCADIS	Telephone: 414.276.7742	Preservative	E	E																		
	Address: 126 N Jefferson St 400	Fax:	Filtered (✓)																				
	City State Zip: Milwaukee WI 53202	E-mail Address: Chris.Kurocki@arcadis.com	# of Containers	7	4																		
	Project Name/Location (City, State): MKC (Madison, WI)	Project #: WI0013108.0034	PARAMETER ANALYSIS & METHOD																				
Sampler's Printed Name: Maureen O'Brien	Sampler's Signature: <i>Maureen O'Brien</i>	Method 8080 Method 8082																					
Sample ID	Collection		Type (✓)		Matrix	REMARKS																	
	Date	Time	Comp	Grab																			
Equip Blank	1/6/16	1700	✓	W		01																	
DUP-1	1/6/16	-	✓	S	1	02																	
BP-SIDE-15	1/6/16	1550	✓	S	1	03																	
BP-SIDE-18	1/6/16	1553	✓	S	1	04																	
BP-BOT-19	1/6/16	1533	✓	S	1	05																	
BP-SIDE-20	1/6/16	1535	✓	S	1	06																	
BP-SIDE-21	1/6/16	1608	✓	S	1	07																	
BP-BOT-22	1/6/16	1613	✓	S	1	08																	
BP-SIDE-23	1/6/16	1615	✓	S	1	09																	
BP-BOT-24	1/6/16	1625	✓	S	1	10																	
BP-SIDE-25	1/6/16	1627	✓	S	1	11																	
BP-SIDE-26	1/6/16	1630	✓	S	1	12																	

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: _____
 10. Other: _____

Matrix Key:
 SO - Soil SE - Sediment NL - NAPL/Oil
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other: _____

Special Instructions/Comments: Special QA/QC Instructions(✓):
Analysis for Arcadis 1016, 1221, 1232, 1242, 1248, 1254, 1260

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: ECCS	Cooler Custody Seal (✓) <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: Maureen O'Brien	Signature: <i>Maureen O'Brien</i>	Printed Name: Jessica Esser	Signature: <i>Jessica Esser</i>	Printed Name:	Signature:	Printed Name:	Signature:
Specify Turnaround Requirements: 24hr TAT	Sample Receipt: on ice	Firm: ARCADIS	Date/Time: 1/6/2016 1700	Firm/Courier: Face/ECCS	Date/Time: 01-06-16 1715	Firm/Courier:	Date/Time:	Firm:	Date/Time:
Shipping Tracking #: N/A	Condition/Cooler Temp: _____								