

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-98041-1

Client Project/Site: MadisonKipp Bike Path Soil Samples

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

7/7/2015 11:04:59 AM

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Case Narrative

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

**Job ID: 500-98041-1**

**Laboratory: TestAmerica Chicago**

## Narrative

### Job Narrative 500-98041-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 7/1/2015 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

#### GC Semi VOA

Method(s) 8082: The following samples were diluted to bring the concentration of target analytes within the calibration range: HA-4a 1FT (500-98041-1), HA-4b 1FT (500-98041-2), HA-4c 1FT (500-98041-3), HA-4d 1FT (500-98041-4), HA-4d (2-2.5) (500-98041-5), HA-4e 1FT (500-98041-6) and HA-4f 1FT (500-98041-7). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following samples required a dilution due to the nature of the sample matrix: HA-4c 1FT (500-98041-3), HA-4d 1FT (500-98041-4), HA-4d (2-2.5) (500-98041-5), HA-4e 1FT (500-98041-6) and HA-4f 1FT (500-98041-7). Because of this dilution, the surrogate spike concentrations in the samples were reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Client Sample ID: HA-4a 1FT

Lab Sample ID: 500-98041-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	680		91	36	ug/Kg	5	☒	8082	Total/NA

## Client Sample ID: HA-4b 1FT

Lab Sample ID: 500-98041-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	930		94	37	ug/Kg	5	☒	8082	Total/NA

## Client Sample ID: HA-4c 1FT

Lab Sample ID: 500-98041-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	7500		380	150	ug/Kg	20	☒	8082	Total/NA

## Client Sample ID: HA-4d 1FT

Lab Sample ID: 500-98041-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	680000		47000	18000	ug/Kg	2000	☒	8082	Total/NA

## Client Sample ID: HA-4d (2-2.5)

Lab Sample ID: 500-98041-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	38000		2100	830	ug/Kg	100	☒	8082	Total/NA

## Client Sample ID: HA-4e 1FT

Lab Sample ID: 500-98041-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	18000		1900	750	ug/Kg	100	☒	8082	Total/NA

## Client Sample ID: HA-4f 1FT

Lab Sample ID: 500-98041-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2200		480	100	ug/Kg	25	☒	8082	Total/NA

This Detection Summary does not include radiochemical test results.

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# Method Summary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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# Sample Summary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-98041-1	HA-4a 1FT	Solid	06/30/15 13:20	07/01/15 11:00
500-98041-2	HA-4b 1FT	Solid	06/30/15 13:50	07/01/15 11:00
500-98041-3	HA-4c 1FT	Solid	06/30/15 14:10	07/01/15 11:00
500-98041-4	HA-4d 1FT	Solid	06/30/15 10:30	07/01/15 11:00
500-98041-5	HA-4d (2-2.5)	Solid	06/30/15 11:00	07/01/15 11:00
500-98041-6	HA-4e 1FT	Solid	06/30/15 09:45	07/01/15 11:00
500-98041-7	HA-4f 1FT	Solid	06/30/15 08:20	07/01/15 11:00



# Client Sample Results

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Client Sample ID: HA-4a 1FT

Date Collected: 06/30/15 13:20

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-1

Matrix: Solid

Percent Solids: 88.6

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<32		91	32	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
PCB-1221	<40		91	40	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
PCB-1232	<40		91	40	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
PCB-1242	<30		91	30	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
<b>PCB-1248</b>	<b>680</b>		91	36	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
PCB-1254	<20		91	20	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5
PCB-1260	<45		91	45	ug/Kg	☼	07/01/15 18:11	07/02/15 13:24	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		50 - 116	07/01/15 18:11	07/02/15 13:24	5
DCB Decachlorobiphenyl	127		48 - 142	07/01/15 18:11	07/02/15 13:24	5

## Client Sample ID: HA-4b 1FT

Date Collected: 06/30/15 13:50

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-2

Matrix: Solid

Percent Solids: 86.4

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<33		94	33	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
PCB-1221	<41		94	41	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
PCB-1232	<41		94	41	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
PCB-1242	<31		94	31	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
<b>PCB-1248</b>	<b>930</b>		94	37	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
PCB-1254	<20		94	20	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5
PCB-1260	<46		94	46	ug/Kg	☼	07/01/15 18:11	07/02/15 13:38	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		50 - 116	07/01/15 18:11	07/02/15 13:38	5
DCB Decachlorobiphenyl	122		48 - 142	07/01/15 18:11	07/02/15 13:38	5

## Client Sample ID: HA-4c 1FT

Date Collected: 06/30/15 14:10

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-3

Matrix: Solid

Percent Solids: 83.5

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<140		380	140	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
PCB-1221	<170		380	170	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
PCB-1232	<170		380	170	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
PCB-1242	<130		380	130	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
<b>PCB-1248</b>	<b>7500</b>		380	150	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
PCB-1254	<83		380	83	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20
PCB-1260	<190		380	190	ug/Kg	☼	07/01/15 18:11	07/02/15 13:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	50 - 116	07/01/15 18:11	07/02/15 13:51	20
DCB Decachlorobiphenyl	0	D	48 - 142	07/01/15 18:11	07/02/15 13:51	20

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# Client Sample Results

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Client Sample ID: HA-4d 1FT

Date Collected: 06/30/15 10:30

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-4

Matrix: Solid

Percent Solids: 70.0

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<17000		47000	17000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
PCB-1221	<21000		47000	21000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
PCB-1232	<20000		47000	20000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
PCB-1242	<15000		47000	15000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
<b>PCB-1248</b>	<b>680000</b>		47000	18000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
PCB-1254	<10000		47000	10000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000
PCB-1260	<23000		47000	23000	ug/Kg	☼	07/01/15 18:11	07/02/15 15:10	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	50 - 116	07/01/15 18:11	07/02/15 15:10	2000
DCB Decachlorobiphenyl	0	D	48 - 142	07/01/15 18:11	07/02/15 15:10	2000

## Client Sample ID: HA-4d (2-2.5)

Date Collected: 06/30/15 11:00

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-5

Matrix: Solid

Percent Solids: 76.0

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<750		2100	750	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
PCB-1221	<930		2100	930	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
PCB-1232	<920		2100	920	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
PCB-1242	<690		2100	690	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
<b>PCB-1248</b>	<b>38000</b>		2100	830	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
PCB-1254	<460		2100	460	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100
PCB-1260	<1000		2100	1000	ug/Kg	☼	07/01/15 18:11	07/02/15 14:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	50 - 116	07/01/15 18:11	07/02/15 14:29	100
DCB Decachlorobiphenyl	0	D	48 - 142	07/01/15 18:11	07/02/15 14:29	100

## Client Sample ID: HA-4e 1FT

Date Collected: 06/30/15 09:45

Date Received: 07/01/15 11:00

## Lab Sample ID: 500-98041-6

Matrix: Solid

Percent Solids: 83.6

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<670		1900	670	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
PCB-1221	<830		1900	830	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
PCB-1232	<820		1900	820	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
PCB-1242	<620		1900	620	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
<b>PCB-1248</b>	<b>18000</b>		1900	750	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
PCB-1254	<410		1900	410	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100
PCB-1260	<930		1900	930	ug/Kg	☼	07/01/15 18:11	07/02/15 15:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	50 - 116	07/01/15 18:11	07/02/15 15:24	100
DCB Decachlorobiphenyl	0	D	48 - 142	07/01/15 18:11	07/02/15 15:24	100

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# Client Sample Results

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

**Client Sample ID: HA-4f 1FT**

**Lab Sample ID: 500-98041-7**

**Date Collected: 06/30/15 08:20**

**Matrix: Solid**

**Date Received: 07/01/15 11:00**

**Percent Solids: 85.5**

**Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<170		480	170	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
PCB-1221	<210		480	210	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
PCB-1232	<210		480	210	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
PCB-1242	<160		480	160	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
PCB-1248	<190		480	190	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
<b>PCB-1254</b>	<b>2200</b>		480	100	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25
PCB-1260	<230		480	230	ug/Kg	☼	07/01/15 18:11	07/07/15 09:29	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	0	D	50 - 116	07/01/15 18:11	07/07/15 09:29	25
<i>DCB Decachlorobiphenyl</i>	0	D	48 - 142	07/01/15 18:11	07/07/15 09:29	25

# Definitions/Glossary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## GC Semi VOA

### Prep Batch: 294117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-98041-1	HA-4a 1FT	Total/NA	Solid	3541	
500-98041-2	HA-4b 1FT	Total/NA	Solid	3541	
500-98041-3	HA-4c 1FT	Total/NA	Solid	3541	
500-98041-4	HA-4d 1FT	Total/NA	Solid	3541	
500-98041-5	HA-4d (2-2.5)	Total/NA	Solid	3541	
500-98041-6	HA-4e 1FT	Total/NA	Solid	3541	
500-98041-7	HA-4f 1FT	Total/NA	Solid	3541	
LCS 500-294117/3-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-294117/1-A	Method Blank	Total/NA	Solid	3541	

### Analysis Batch: 294151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-98041-1	HA-4a 1FT	Total/NA	Solid	8082	294117
500-98041-2	HA-4b 1FT	Total/NA	Solid	8082	294117
500-98041-3	HA-4c 1FT	Total/NA	Solid	8082	294117
500-98041-4	HA-4d 1FT	Total/NA	Solid	8082	294117
500-98041-5	HA-4d (2-2.5)	Total/NA	Solid	8082	294117
500-98041-6	HA-4e 1FT	Total/NA	Solid	8082	294117
LCS 500-294117/3-A	Lab Control Sample	Total/NA	Solid	8082	294117
MB 500-294117/1-A	Method Blank	Total/NA	Solid	8082	294117

### Analysis Batch: 294541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-98041-7	HA-4f 1FT	Total/NA	Solid	8082	294117

## General Chemistry

### Analysis Batch: 294049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-98041-1	HA-4a 1FT	Total/NA	Solid	Moisture	
500-98041-2	HA-4b 1FT	Total/NA	Solid	Moisture	
500-98041-3	HA-4c 1FT	Total/NA	Solid	Moisture	
500-98041-4	HA-4d 1FT	Total/NA	Solid	Moisture	
500-98041-5	HA-4d (2-2.5)	Total/NA	Solid	Moisture	
500-98041-6	HA-4e 1FT	Total/NA	Solid	Moisture	
500-98041-7	HA-4f 1FT	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (50-116)	DCB1 (48-142)
500-98041-1	HA-4a 1FT	105	127
500-98041-2	HA-4b 1FT	96	122
500-98041-3	HA-4c 1FT	0 D	0 D
500-98041-4	HA-4d 1FT	0 D	0 D
500-98041-5	HA-4d (2-2.5)	0 D	0 D
500-98041-6	HA-4e 1FT	0 D	0 D
500-98041-7	HA-4f 1FT	0 D	0 D
LCS 500-294117/3-A	Lab Control Sample	77	90
MB 500-294117/1-A	Method Blank	83	95

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-294117/1-A**  
**Matrix: Solid**  
**Analysis Batch: 294151**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 294117**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1221	<7.3		17	7.3	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1232	<7.3		17	7.3	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1242	<5.5		17	5.5	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1248	<6.6		17	6.6	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1254	<3.6		17	3.6	ug/Kg		07/01/15 18:11	07/02/15 08:10	1
PCB-1260	<8.2		17	8.2	ug/Kg		07/01/15 18:11	07/02/15 08:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		50 - 116	07/01/15 18:11	07/02/15 08:10	1
DCB Decachlorobiphenyl	95		48 - 142	07/01/15 18:11	07/02/15 08:10	1

**Lab Sample ID: LCS 500-294117/3-A**  
**Matrix: Solid**  
**Analysis Batch: 294151**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 294117**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	167	145		ug/Kg		87	59 - 110
PCB-1260	167	151		ug/Kg		90	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	77		50 - 116
DCB Decachlorobiphenyl	90		48 - 142

# Lab Chronicle

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

**Client Sample ID: HA-4a 1FT**

**Date Collected: 06/30/15 13:20**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4a 1FT**

**Date Collected: 06/30/15 13:20**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-1**

**Matrix: Solid**

**Percent Solids: 88.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		5	294151	07/02/15 13:24	RLL	TAL CHI

**Client Sample ID: HA-4b 1FT**

**Date Collected: 06/30/15 13:50**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4b 1FT**

**Date Collected: 06/30/15 13:50**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-2**

**Matrix: Solid**

**Percent Solids: 86.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		5	294151	07/02/15 13:38	RLL	TAL CHI

**Client Sample ID: HA-4c 1FT**

**Date Collected: 06/30/15 14:10**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4c 1FT**

**Date Collected: 06/30/15 14:10**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-3**

**Matrix: Solid**

**Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		20	294151	07/02/15 13:51	RLL	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

**Client Sample ID: HA-4d 1FT**

**Lab Sample ID: 500-98041-4**

Date Collected: 06/30/15 10:30

Matrix: Solid

Date Received: 07/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4d 1FT**

**Lab Sample ID: 500-98041-4**

Date Collected: 06/30/15 10:30

Matrix: Solid

Date Received: 07/01/15 11:00

Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		2000	294151	07/02/15 15:10	RLL	TAL CHI

**Client Sample ID: HA-4d (2-2.5)**

**Lab Sample ID: 500-98041-5**

Date Collected: 06/30/15 11:00

Matrix: Solid

Date Received: 07/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4d (2-2.5)**

**Lab Sample ID: 500-98041-5**

Date Collected: 06/30/15 11:00

Matrix: Solid

Date Received: 07/01/15 11:00

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		100	294151	07/02/15 14:29	RLL	TAL CHI

**Client Sample ID: HA-4e 1FT**

**Lab Sample ID: 500-98041-6**

Date Collected: 06/30/15 09:45

Matrix: Solid

Date Received: 07/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4e 1FT**

**Lab Sample ID: 500-98041-6**

Date Collected: 06/30/15 09:45

Matrix: Solid

Date Received: 07/01/15 11:00

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		100	294151	07/02/15 15:24	RLL	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: Madison-Kipp Corporation  
 Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

**Client Sample ID: HA-4f 1FT**

**Date Collected: 06/30/15 08:20**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	294049	07/01/15 12:38	LWN	TAL CHI

**Client Sample ID: HA-4f 1FT**

**Date Collected: 06/30/15 08:20**

**Date Received: 07/01/15 11:00**

**Lab Sample ID: 500-98041-7**

**Matrix: Solid**

**Percent Solids: 85.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			294117	07/01/15 18:11	DEA	TAL CHI
Total/NA	Analysis	8082		25	294541	07/07/15 09:29	GMO	TAL CHI

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200





# Certification Summary

Client: Madison-Kipp Corporation  
Project/Site: MadisonKipp Bike Path Soil Samples

TestAmerica Job ID: 500-98041-1

## Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15

1

2

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# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6  
Phone: 708.534.5200 Fax: 708.53



500-98041 COC

Report To (optional) Alina Sattkoski  
 Contact: mke  
 Company: 201 Waukesha  
 Address: Madison, WI  
 Address: 608-242-5200  
 Phone: asattkoski@  
 Fax: madison-kipp.com  
 E-Mail: PO#Reference# 105434

## Chain of Custody Record

Lab Job #: 500-98041  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 1  
 Temperature °C of Cooler: 4.8

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
mke								PCBS			
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
Bike Path Soil Samples				6/30		13:20		1		SO	
Project Location/State		Lab PM		6/30		13:50		1		SO	
Madison WI				6/30		14:10		1		SO	
Sampler				6/30		10:30		1		SO	
A. Sattkoski				6/30		11:00		1		SO	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
1		HA-4a 1A	6/30	13:20	1	SO	X				
2		HA-4b 1A	6/30	13:50	1	SO	X				
3		HA-4c 1A	6/30	14:10	1	SO	X				
4		HA-4d 1A	6/30	10:30	1	SO	X				
5		HA-4a (2-2.5)	6/30	11:00	1	SO	X				
6		HA-4e 1A	6/30	9:45	1	SO	X				
7		HA-4f 1A	6/30	8:20	1	SO	X				

- 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 
  30 Day Other 
 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: Alina Sattkoski Company: mke Date: 6/30/15 Time: 17:00  
 Received By: John Smith Company: FA-CRT Date: 7/1/15 Time: 11:00  
 Relinquished By: \_\_\_\_\_ Company: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Company: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Lab Courier: \_\_\_\_\_  
 Shipped: FedEx  
 Hand Delivered: \_\_\_\_\_

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

Client Comments:

Lab Comments:

# Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-98041-1

**Login Number: 98041**  
**List Number: 1**  
**Creator: Scott, Sherri L**

**List Source: TestAmerica Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

