

# 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: 500-61563-1  
Client Project/Site: MadisonKipp WI001368.0003.00001

For:  
ARCADIS U.S., Inc.  
126 North Jefferson Street  
Suite 400  
Milwaukee, Wisconsin 53202

Attn: Chris Kubacki



Authorized for release by:  
8/27/2013 11:20:33 AM

Sandie Fredrick, Project Manager I  
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### LINKS

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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*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: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

**Job ID: 500-61563-1**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative**  
**500-61563-1**

### Comments

No additional comments.

### Receipt

The samples were received on 8/21/2013 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.6° C and 1.5° C.

Except: Only received 2 jars for samples 28 & 29, COC has 3.

### GC Semi VOA

Method(s) 8082: Surrogate recovery for the following samples was outside control limits: MKC-82 (0-2) (500-61563-29 MS), MKC-86 (0-2) (500-61563-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batches 199375, 199599 and 199398 were outside control limits for AR1016. The associated laboratory control sample (LCS) recovery met acceptance criteria. MKC-68 (0-2) (500-61563-1), MKC-82 (0-2) (500-61563-29 MS), MKC-82 (0-2) (500-61563-29 MSD), MKC-94 (0-2) (500-61563-53 MS)

No other analytical or quality issues were noted.

### Metals

No analytical or quality issues were noted.

### Organic Prep

No analytical or quality issues were noted.

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-68 (0-2)

Lab Sample ID: 500-61563-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	360		18	3.9	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-68 (2-4)

Lab Sample ID: 500-61563-2

No Detections.

## Client Sample ID: MKC-69 (0-2)

Lab Sample ID: 500-61563-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	27		18	5.8	ug/Kg	1	☒	8082	Total/NA
PCB-1254	45		18	3.8	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-69 (2-4)

Lab Sample ID: 500-61563-4

No Detections.

## Client Sample ID: MKC-70 (0-2)

Lab Sample ID: 500-61563-5

No Detections.

## Client Sample ID: MKC-70 (2-4)

Lab Sample ID: 500-61563-6

No Detections.

## Client Sample ID: MKC-71 (0-2)

Lab Sample ID: 500-61563-7

No Detections.

## Client Sample ID: MKC-71 (2-4)

Lab Sample ID: 500-61563-8

No Detections.

## Client Sample ID: MKC-72 (0-2)

Lab Sample ID: 500-61563-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	20		18	3.9	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-72 (2-4)

Lab Sample ID: 500-61563-10

No Detections.

## Client Sample ID: MKC-73 (0-2)

Lab Sample ID: 500-61563-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	18	J	21	4.5	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-73 (2-4)

Lab Sample ID: 500-61563-12

No Detections.

## Client Sample ID: MKC-74 (0-2)

Lab Sample ID: 500-61563-13

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-74 (0-2) (Continued)

Lab Sample ID: 500-61563-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	27		20	4.3	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-74 (2-4)

Lab Sample ID: 500-61563-14

No Detections.

## Client Sample ID: MKC-75 (0-2)

Lab Sample ID: 500-61563-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	38		18	3.9	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-75 (2-4)

Lab Sample ID: 500-61563-16

No Detections.

## Client Sample ID: MKC-76 (0-2)

Lab Sample ID: 500-61563-17

No Detections.

## Client Sample ID: MKC-76 (2-4)

Lab Sample ID: 500-61563-18

No Detections.

## Client Sample ID: MKC-77 (0-2)

Lab Sample ID: 500-61563-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	18	J	19	4.2	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-77 (2-4)

Lab Sample ID: 500-61563-20

No Detections.

## Client Sample ID: MKC-78 (0-2)

Lab Sample ID: 500-61563-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	38		22	4.7	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-78 (2-4)

Lab Sample ID: 500-61563-22

No Detections.

## Client Sample ID: MKC-79 (0-2)

Lab Sample ID: 500-61563-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	25		19	4.1	ug/Kg	1	☒	8082	Total/NA

## Client Sample ID: MKC-79 (2-4)

Lab Sample ID: 500-61563-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	13	J	20	4.4	ug/Kg	1	☒	8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

**Client Sample ID: MKC-80 (0-2)**

**Lab Sample ID: 500-61563-25**

No Detections.

**Client Sample ID: MKC-80 (2-4)**

**Lab Sample ID: 500-61563-26**

No Detections.

**Client Sample ID: MKC-81 (0-2)**

**Lab Sample ID: 500-61563-27**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	170		19	4.2	ug/Kg	1	☒	8082	Total/NA

**Client Sample ID: MKC-81 (2-4)**

**Lab Sample ID: 500-61563-28**

No Detections.

**Client Sample ID: MKC-82 (0-2)**

**Lab Sample ID: 500-61563-29**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	55		19	4.1	ug/Kg	1	☒	8082	Total/NA

**Client Sample ID: MKC-82 (2-4)**

**Lab Sample ID: 500-61563-30**

No Detections.

**Client Sample ID: MKC-83 (0-2)**

**Lab Sample ID: 500-61563-31**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	29		19	4.1	ug/Kg	1	☒	8082	Total/NA

**Client Sample ID: MKC-83 (2-4)**

**Lab Sample ID: 500-61563-32**

No Detections.

**Client Sample ID: MKC-84 (0-2)**

**Lab Sample ID: 500-61563-33**

No Detections.

**Client Sample ID: MKC-84 (2-4)**

**Lab Sample ID: 500-61563-34**

No Detections.

**Client Sample ID: MKC-85 (0-2)**

**Lab Sample ID: 500-61563-35**

No Detections.

**Client Sample ID: MKC-85 (2-4)**

**Lab Sample ID: 500-61563-36**

No Detections.

**Client Sample ID: MKC-86 (0-2)**

**Lab Sample ID: 500-61563-37**

No Detections.

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-86 (2-4)

Lab Sample ID: 500-61563-38

No Detections.

## Client Sample ID: MKC-87 (0-2)

Lab Sample ID: 500-61563-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	250		20	4.2	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-87 (2-4)

Lab Sample ID: 500-61563-40

No Detections.

## Client Sample ID: MKC-88 (0-2)

Lab Sample ID: 500-61563-41

No Detections.

## Client Sample ID: MKC-88 (2-4)

Lab Sample ID: 500-61563-42

No Detections.

## Client Sample ID: MKC-89 (0-2)

Lab Sample ID: 500-61563-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	16	J	19	4.1	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-89 (2-4)

Lab Sample ID: 500-61563-44

No Detections.

## Client Sample ID: MKC-90 (0-2)

Lab Sample ID: 500-61563-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	30		19	4.1	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-90 (2-4)

Lab Sample ID: 500-61563-46

No Detections.

## Client Sample ID: MKC-91 (0-2)

Lab Sample ID: 500-61563-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	42		19	4.2	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-91 (2-4)

Lab Sample ID: 500-61563-48

No Detections.

## Client Sample ID: MKC-92 (0-2)

Lab Sample ID: 500-61563-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	32		19	4.0	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-92 (2-4)

Lab Sample ID: 500-61563-50

No Detections.

## Client Sample ID: MKC-93 (0-2)

Lab Sample ID: 500-61563-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	39		19	4.2	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-93 (2-4)

Lab Sample ID: 500-61563-52

No Detections.

## Client Sample ID: MKC-94 (0-2)

Lab Sample ID: 500-61563-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	40		19	4.2	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-94 (2-4)

Lab Sample ID: 500-61563-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	9.9	J	20	4.3	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-95 (0-2)

Lab Sample ID: 500-61563-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	27		19	4.0	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-95 (2-4)

Lab Sample ID: 500-61563-56

No Detections.

## Client Sample ID: MKC-96 (0-2)

Lab Sample ID: 500-61563-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	110		19	4.2	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-96 (2-4)

Lab Sample ID: 500-61563-58

No Detections.

## Client Sample ID: MKC-97 (0-2)

Lab Sample ID: 500-61563-59

No Detections.

## Client Sample ID: MKC-97 (2-4)

Lab Sample ID: 500-61563-60

No Detections.

## Client Sample ID: MKC-98 (0-2)

Lab Sample ID: 500-61563-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	53		19	4.1	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago



# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-98 (2-4)

Lab Sample ID: 500-61563-62

No Detections.

## Client Sample ID: MKC-99 (0-2)

Lab Sample ID: 500-61563-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	70		19	4.1	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: MKC-99 (2-4)

Lab Sample ID: 500-61563-64

No Detections.

## Client Sample ID: DUP

Lab Sample ID: 500-61563-65

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	90		18	3.9	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: DUP 2

Lab Sample ID: 500-61563-66

No Detections.

## Client Sample ID: DUP 3

Lab Sample ID: 500-61563-67

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	350		20	4.4	ug/Kg	1	☼	8082	Total/NA

## Client Sample ID: DUP 4

Lab Sample ID: 500-61563-68

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	9.5	J	20	4.2	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Method Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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



# Sample Summary

Client: ARCADIS U.S., Inc.

TestAmerica Job ID: 500-61563-1

Project/Site: MadisonKipp WI001368.0003.00001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-61563-1	MKC-68 (0-2)	Solid	08/19/13 11:15	08/21/13 10:10
500-61563-2	MKC-68 (2-4)	Solid	08/19/13 11:25	08/21/13 10:10
500-61563-3	MKC-69 (0-2)	Solid	08/19/13 11:30	08/21/13 10:10
500-61563-4	MKC-69 (2-4)	Solid	08/19/13 11:40	08/21/13 10:10
500-61563-5	MKC-70 (0-2)	Solid	08/19/13 11:55	08/21/13 10:10
500-61563-6	MKC-70 (2-4)	Solid	08/19/13 12:00	08/21/13 10:10
500-61563-7	MKC-71 (0-2)	Solid	08/19/13 12:05	08/21/13 10:10
500-61563-8	MKC-71 (2-4)	Solid	08/19/13 12:10	08/21/13 10:10
500-61563-9	MKC-72 (0-2)	Solid	08/19/13 13:15	08/21/13 10:10
500-61563-10	MKC-72 (2-4)	Solid	08/19/13 13:20	08/21/13 10:10
500-61563-11	MKC-73 (0-2)	Solid	08/19/13 13:35	08/21/13 10:10
500-61563-12	MKC-73 (2-4)	Solid	08/19/13 13:40	08/21/13 10:10
500-61563-13	MKC-74 (0-2)	Solid	08/19/13 13:50	08/21/13 10:10
500-61563-14	MKC-74 (2-4)	Solid	08/19/13 13:55	08/21/13 10:10
500-61563-15	MKC-75 (0-2)	Solid	08/19/13 14:00	08/21/13 10:10
500-61563-16	MKC-75 (2-4)	Solid	08/19/13 14:05	08/21/13 10:10
500-61563-17	MKC-76 (0-2)	Solid	08/19/13 14:15	08/21/13 10:10
500-61563-18	MKC-76 (2-4)	Solid	08/19/13 14:20	08/21/13 10:10
500-61563-19	MKC-77 (0-2)	Solid	08/19/13 14:35	08/21/13 10:10
500-61563-20	MKC-77 (2-4)	Solid	08/19/13 14:40	08/21/13 10:10
500-61563-21	MKC-78 (0-2)	Solid	08/19/13 14:40	08/21/13 10:10
500-61563-22	MKC-78 (2-4)	Solid	08/19/13 14:45	08/21/13 10:10
500-61563-23	MKC-79 (0-2)	Solid	08/19/13 14:55	08/21/13 10:10
500-61563-24	MKC-79 (2-4)	Solid	08/19/13 15:00	08/21/13 10:10
500-61563-25	MKC-80 (0-2)	Solid	08/19/13 15:05	08/21/13 10:10
500-61563-26	MKC-80 (2-4)	Solid	08/19/13 15:10	08/21/13 10:10
500-61563-27	MKC-81 (0-2)	Solid	08/20/13 08:00	08/21/13 10:10
500-61563-28	MKC-81 (2-4)	Solid	08/20/13 08:05	08/21/13 10:10
500-61563-29	MKC-82 (0-2)	Solid	08/20/13 08:15	08/21/13 10:10
500-61563-30	MKC-82 (2-4)	Solid	08/20/13 08:20	08/21/13 10:10
500-61563-31	MKC-83 (0-2)	Solid	08/20/13 08:35	08/21/13 10:10
500-61563-32	MKC-83 (2-4)	Solid	08/20/13 08:40	08/21/13 10:10
500-61563-33	MKC-84 (0-2)	Solid	08/20/13 09:05	08/21/13 10:10
500-61563-34	MKC-84 (2-4)	Solid	08/20/13 09:10	08/21/13 10:10
500-61563-35	MKC-85 (0-2)	Solid	08/20/13 09:20	08/21/13 10:10
500-61563-36	MKC-85 (2-4)	Solid	08/20/13 09:25	08/21/13 10:10
500-61563-37	MKC-86 (0-2)	Solid	08/20/13 09:40	08/21/13 10:10
500-61563-38	MKC-86 (2-4)	Solid	08/20/13 09:45	08/21/13 10:10
500-61563-39	MKC-87 (0-2)	Solid	08/20/13 09:55	08/21/13 10:10
500-61563-40	MKC-87 (2-4)	Solid	08/20/13 10:00	08/21/13 10:10
500-61563-41	MKC-88 (0-2)	Solid	08/20/13 10:15	08/21/13 10:10
500-61563-42	MKC-88 (2-4)	Solid	08/20/13 10:20	08/21/13 10:10
500-61563-43	MKC-89 (0-2)	Solid	08/20/13 10:30	08/21/13 10:10
500-61563-44	MKC-89 (2-4)	Solid	08/20/13 10:35	08/21/13 10:10
500-61563-45	MKC-90 (0-2)	Solid	08/20/13 11:10	08/21/13 10:10
500-61563-46	MKC-90 (2-4)	Solid	08/20/13 11:15	08/21/13 10:10
500-61563-47	MKC-91 (0-2)	Solid	08/20/13 11:25	08/21/13 10:10
500-61563-48	MKC-91 (2-4)	Solid	08/20/13 11:30	08/21/13 10:10
500-61563-49	MKC-92 (0-2)	Solid	08/20/13 11:45	08/21/13 10:10
500-61563-50	MKC-92 (2-4)	Solid	08/20/13 11:50	08/21/13 10:10
500-61563-51	MKC-93 (0-2)	Solid	08/20/13 12:05	08/21/13 10:10
500-61563-52	MKC-93 (2-4)	Solid	08/20/13 12:10	08/21/13 10:10
500-61563-53	MKC-94 (0-2)	Solid	08/20/13 13:30	08/21/13 10:10

TestAmerica Chicago

# Sample Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-61563-54	MKC-94 (2-4)	Solid	08/20/13 13:35	08/21/13 10:10
500-61563-55	MKC-95 (0-2)	Solid	08/20/13 13:40	08/21/13 10:10
500-61563-56	MKC-95 (2-4)	Solid	08/20/13 13:45	08/21/13 10:10
500-61563-57	MKC-96 (0-2)	Solid	08/20/13 13:55	08/21/13 10:10
500-61563-58	MKC-96 (2-4)	Solid	08/20/13 14:00	08/21/13 10:10
500-61563-59	MKC-97 (0-2)	Solid	08/20/13 14:10	08/21/13 10:10
500-61563-60	MKC-97 (2-4)	Solid	08/20/13 14:15	08/21/13 10:10
500-61563-61	MKC-98 (0-2)	Solid	08/20/13 14:25	08/21/13 10:10
500-61563-62	MKC-98 (2-4)	Solid	08/20/13 14:30	08/21/13 10:10
500-61563-63	MKC-99 (0-2)	Solid	08/20/13 14:35	08/21/13 10:10
500-61563-64	MKC-99 (2-4)	Solid	08/20/13 14:40	08/21/13 10:10
500-61563-65	DUP	Solid	08/20/13 00:00	08/21/13 10:10
500-61563-66	DUP 2	Solid	08/20/13 00:00	08/21/13 10:10
500-61563-67	DUP 3	Solid	08/20/13 00:00	08/21/13 10:10
500-61563-68	DUP 4	Solid	08/20/13 00:00	08/21/13 10:10

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

**Client Sample ID: MKC-68 (0-2)**

**Lab Sample ID: 500-61563-1**

Date Collected: 08/19/13 11:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.3		18	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
PCB-1221	<7.9		18	7.9	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
PCB-1232	<7.8		18	7.8	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
PCB-1242	<5.9		18	5.9	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
PCB-1248	<7.1		18	7.1	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
<b>PCB-1254</b>	<b>360</b>		18	3.9	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1
PCB-1260	<8.8		18	8.8	ug/Kg	☼	08/21/13 18:12	08/22/13 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 116	08/21/13 18:12	08/22/13 13:31	1
DCB Decachlorobiphenyl	86		48 - 142	08/21/13 18:12	08/22/13 13:31	1

**Client Sample ID: MKC-68 (2-4)**

**Lab Sample ID: 500-61563-2**

Date Collected: 08/19/13 11:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.5		18	6.5	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1221	<8.1		18	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1232	<8.0		18	8.0	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1242	<6.0		18	6.0	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1248	<7.2		18	7.2	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1254	<4.0		18	4.0	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1
PCB-1260	<9.0		18	9.0	ug/Kg	☼	08/21/13 18:12	08/22/13 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		50 - 116	08/21/13 18:12	08/22/13 14:13	1
DCB Decachlorobiphenyl	93		48 - 142	08/21/13 18:12	08/22/13 14:13	1

**Client Sample ID: MKC-69 (0-2)**

**Lab Sample ID: 500-61563-3**

Date Collected: 08/19/13 11:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.2		18	6.2	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
PCB-1221	<7.8		18	7.8	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
PCB-1232	<7.7		18	7.7	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
<b>PCB-1242</b>	<b>27</b>		18	5.8	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
PCB-1248	<6.9		18	6.9	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
<b>PCB-1254</b>	<b>45</b>		18	3.8	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1
PCB-1260	<8.7		18	8.7	ug/Kg	☼	08/21/13 18:12	08/22/13 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		50 - 116	08/21/13 18:12	08/22/13 14:27	1
DCB Decachlorobiphenyl	93		48 - 142	08/21/13 18:12	08/22/13 14:27	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-69 (2-4)

Lab Sample ID: 500-61563-4

Date Collected: 08/19/13 11:40

Matrix: Solid

Date Received: 08/21/13 10:10

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	<6.9		20	6.9	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1254	<4.2		20	4.2	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/21/13 18:12	08/22/13 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		50 - 116	08/21/13 18:12	08/22/13 14:41	1
DCB Decachlorobiphenyl	94		48 - 142	08/21/13 18:12	08/22/13 14:41	1

## Client Sample ID: MKC-70 (0-2)

Lab Sample ID: 500-61563-5

Date Collected: 08/19/13 11:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.3		21	7.3	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1232	<9.0		21	9.0	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1248	<8.2		21	8.2	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1254	<4.5		21	4.5	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1
PCB-1260	<10		21	10	ug/Kg	☼	08/21/13 18:12	08/22/13 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		50 - 116	08/21/13 18:12	08/22/13 14:55	1
DCB Decachlorobiphenyl	88		48 - 142	08/21/13 18:12	08/22/13 14:55	1

## Client Sample ID: MKC-70 (2-4)

Lab Sample ID: 500-61563-6

Date Collected: 08/19/13 12:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1248	<7.4		19	7.4	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/21/13 18:12	08/22/13 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		50 - 116	08/21/13 18:12	08/22/13 15:09	1
DCB Decachlorobiphenyl	96		48 - 142	08/21/13 18:12	08/22/13 15:09	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-71 (0-2)

Lab Sample ID: 500-61563-7

Date Collected: 08/19/13 12:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/21/13 18:12	08/22/13 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 116	08/21/13 18:12	08/22/13 15:37	1
DCB Decachlorobiphenyl	108		48 - 142	08/21/13 18:12	08/22/13 15:37	1

## Client Sample ID: MKC-71 (2-4)

Lab Sample ID: 500-61563-8

Date Collected: 08/19/13 12:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/21/13 18:12	08/22/13 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		50 - 116	08/21/13 18:12	08/22/13 15:51	1
DCB Decachlorobiphenyl	99		48 - 142	08/21/13 18:12	08/22/13 15:51	1

## Client Sample ID: MKC-72 (0-2)

Lab Sample ID: 500-61563-9

Date Collected: 08/19/13 13:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.3		18	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
PCB-1221	<7.9		18	7.9	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
PCB-1232	<7.8		18	7.8	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
PCB-1242	<5.9		18	5.9	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
PCB-1248	<7.0		18	7.0	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
<b>PCB-1254</b>	<b>20</b>		18	3.9	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1
PCB-1260	<8.8		18	8.8	ug/Kg	☼	08/21/13 18:12	08/22/13 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		50 - 116	08/21/13 18:12	08/22/13 16:05	1
DCB Decachlorobiphenyl	77		48 - 142	08/21/13 18:12	08/22/13 16:05	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-72 (2-4)

Lab Sample ID: 500-61563-10

Date Collected: 08/19/13 13:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.3		21	7.3	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1232	<9.0		21	9.0	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1254	<4.4		21	4.4	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
PCB-1260	<10		21	10	ug/Kg	☼	08/21/13 18:12	08/22/13 16:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	72		50 - 116				08/21/13 18:12	08/22/13 16:19	1
DCB Decachlorobiphenyl	96		48 - 142				08/21/13 18:12	08/22/13 16:19	1

## Client Sample ID: MKC-73 (0-2)

Lab Sample ID: 500-61563-11

Date Collected: 08/19/13 13:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.3		21	7.3	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
PCB-1232	<9.0		21	9.0	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
<b>PCB-1254</b>	<b>18</b>	<b>J</b>	21	4.5	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
PCB-1260	<10		21	10	ug/Kg	☼	08/21/13 18:12	08/22/13 16:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	89		50 - 116				08/21/13 18:12	08/22/13 16:33	1
DCB Decachlorobiphenyl	88		48 - 142				08/21/13 18:12	08/22/13 16:33	1

## Client Sample ID: MKC-73 (2-4)

Lab Sample ID: 500-61563-12

Date Collected: 08/19/13 13:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/21/13 18:12	08/22/13 16:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	78		50 - 116				08/21/13 18:12	08/22/13 16:47	1
DCB Decachlorobiphenyl	87		48 - 142				08/21/13 18:12	08/22/13 16:47	1

TestAmerica Chicago



# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-74 (0-2)

## Lab Sample ID: 500-61563-13

Date Collected: 08/19/13 13:50

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.0		20	7.0	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
<b>PCB-1254</b>	<b>27</b>		20	4.3	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	08/21/13 18:12	08/22/13 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 116	08/21/13 18:12	08/22/13 17:01	1
DCB Decachlorobiphenyl	95		48 - 142	08/21/13 18:12	08/22/13 17:01	1

## Client Sample ID: MKC-74 (2-4)

## Lab Sample ID: 500-61563-14

Date Collected: 08/19/13 13:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.3		18	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1221	<7.9		18	7.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1232	<7.8		18	7.8	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1242	<5.9		18	5.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1248	<7.1		18	7.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1254	<3.9		18	3.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1
PCB-1260	<8.8		18	8.8	ug/Kg	☼	08/21/13 18:12	08/22/13 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		50 - 116	08/21/13 18:12	08/22/13 17:15	1
DCB Decachlorobiphenyl	111		48 - 142	08/21/13 18:12	08/22/13 17:15	1

## Client Sample ID: MKC-75 (0-2)

## Lab Sample ID: 500-61563-15

Date Collected: 08/19/13 14:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.4		18	6.4	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
PCB-1221	<8.0		18	8.0	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
PCB-1232	<7.9		18	7.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
PCB-1242	<5.9		18	5.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
PCB-1248	<7.1		18	7.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
<b>PCB-1254</b>	<b>38</b>		18	3.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1
PCB-1260	<8.9		18	8.9	ug/Kg	☼	08/21/13 18:12	08/22/13 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		50 - 116	08/21/13 18:12	08/22/13 17:29	1
DCB Decachlorobiphenyl	89		48 - 142	08/21/13 18:12	08/22/13 17:29	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-75 (2-4)

Lab Sample ID: 500-61563-16

Date Collected: 08/19/13 14:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1
PCB-1260	<9.1		19	9.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	55		50 - 116	08/21/13 18:12	08/22/13 17:43	1
DCB Decachlorobiphenyl	97		48 - 142	08/21/13 18:12	08/22/13 17:43	1

## Client Sample ID: MKC-76 (0-2)

Lab Sample ID: 500-61563-17

Date Collected: 08/19/13 14:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/21/13 18:12	08/22/13 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		50 - 116	08/21/13 18:12	08/22/13 17:57	1
DCB Decachlorobiphenyl	99		48 - 142	08/21/13 18:12	08/22/13 17:57	1

## Client Sample ID: MKC-76 (2-4)

Lab Sample ID: 500-61563-18

Date Collected: 08/19/13 14:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/21/13 18:12	08/22/13 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		50 - 116	08/21/13 18:12	08/22/13 18:11	1
DCB Decachlorobiphenyl	99		48 - 142	08/21/13 18:12	08/22/13 18:11	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-77 (0-2)

Lab Sample ID: 500-61563-19

Date Collected: 08/19/13 14:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
<b>PCB-1254</b>	<b>18</b>	<b>J</b>	19	4.2	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/21/13 18:12	08/22/13 18:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	95		50 - 116				08/21/13 18:12	08/22/13 18:25	1
DCB Decachlorobiphenyl	101		48 - 142				08/21/13 18:12	08/22/13 18:25	1

## Client Sample ID: MKC-77 (2-4)

Lab Sample ID: 500-61563-20

Date Collected: 08/19/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1232	<8.2		19	8.2	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/21/13 18:12	08/22/13 18:39	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	88		50 - 116				08/21/13 18:12	08/22/13 18:39	1
DCB Decachlorobiphenyl	95		48 - 142				08/21/13 18:12	08/22/13 18:39	1

## Client Sample ID: MKC-78 (0-2)

Lab Sample ID: 500-61563-21

Date Collected: 08/19/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 75.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.7		22	7.7	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
PCB-1221	<9.6		22	9.6	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
PCB-1232	<9.5		22	9.5	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
PCB-1242	<7.1		22	7.1	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
PCB-1248	<8.6		22	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
<b>PCB-1254</b>	<b>38</b>		22	4.7	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
PCB-1260	<11		22	11	ug/Kg	☼	08/23/13 07:12	08/23/13 15:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	103		50 - 116				08/23/13 07:12	08/23/13 15:19	1
DCB Decachlorobiphenyl	84		48 - 142				08/23/13 07:12	08/23/13 15:19	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-78 (2-4)

Lab Sample ID: 500-61563-22

Date Collected: 08/19/13 14:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
PCB-1260	<9.1		19	9.1	ug/Kg	☼	08/23/13 07:12	08/23/13 15:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	84		50 - 116				08/23/13 07:12	08/23/13 15:33	1
DCB Decachlorobiphenyl	98		48 - 142				08/23/13 07:12	08/23/13 15:33	1

## Client Sample ID: MKC-79 (0-2)

Lab Sample ID: 500-61563-23

Date Collected: 08/19/13 14:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
<b>PCB-1254</b>	<b>25</b>		19	4.1	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/23/13 07:12	08/23/13 15:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	95		50 - 116				08/23/13 07:12	08/23/13 15:47	1
DCB Decachlorobiphenyl	91		48 - 142				08/23/13 07:12	08/23/13 15:47	1

## Client Sample ID: MKC-79 (2-4)

Lab Sample ID: 500-61563-24

Date Collected: 08/19/13 15:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.2		20	7.2	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
PCB-1232	<8.9		20	8.9	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
<b>PCB-1254</b>	<b>13 J</b>		20	4.4	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
PCB-1260	<10		20	10	ug/Kg	☼	08/23/13 07:12	08/23/13 16:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	103		50 - 116				08/23/13 07:12	08/23/13 16:01	1
DCB Decachlorobiphenyl	96		48 - 142				08/23/13 07:12	08/23/13 16:01	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-80 (0-2)

Lab Sample ID: 500-61563-25

Date Collected: 08/19/13 15:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	91		50 - 116				08/23/13 07:12	08/23/13 16:14	1
DCB Decachlorobiphenyl	103		48 - 142				08/23/13 07:12	08/23/13 16:14	1

## Client Sample ID: MKC-80 (2-4)

Lab Sample ID: 500-61563-26

Date Collected: 08/19/13 15:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		20	6.9	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1254	<4.2		20	4.2	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/23/13 07:12	08/23/13 16:28	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	84		50 - 116				08/23/13 07:12	08/23/13 16:28	1
DCB Decachlorobiphenyl	103		48 - 142				08/23/13 07:12	08/23/13 16:28	1

## Client Sample ID: MKC-81 (0-2)

Lab Sample ID: 500-61563-27

Date Collected: 08/20/13 08:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		19	6.9	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
PCB-1221	<8.6		19	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
PCB-1232	<8.5		19	8.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
PCB-1248	<7.7		19	7.7	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
<b>PCB-1254</b>	<b>170</b>		19	4.2	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	108		50 - 116				08/23/13 07:12	08/23/13 16:43	1
DCB Decachlorobiphenyl	106		48 - 142				08/23/13 07:12	08/23/13 16:43	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-81 (2-4)

Lab Sample ID: 500-61563-28

Date Collected: 08/20/13 08:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.5		18	6.5	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1221	<8.0		18	8.0	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1232	<8.0		18	8.0	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1242	<6.0		18	6.0	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1248	<7.2		18	7.2	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1254	<3.9		18	3.9	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
PCB-1260	<9.0		18	9.0	ug/Kg	☼	08/23/13 07:12	08/23/13 16:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	75		50 - 116				08/23/13 07:12	08/23/13 16:57	1
DCB Decachlorobiphenyl	101		48 - 142				08/23/13 07:12	08/23/13 16:57	1

## Client Sample ID: MKC-82 (0-2)

Lab Sample ID: 500-61563-29

Date Collected: 08/20/13 08:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
<b>PCB-1254</b>	<b>55</b>		19	4.1	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/23/13 07:12	08/23/13 17:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	109		50 - 116				08/23/13 07:12	08/23/13 17:53	1
DCB Decachlorobiphenyl	111		48 - 142				08/23/13 07:12	08/23/13 17:53	1

## Client Sample ID: MKC-82 (2-4)

Lab Sample ID: 500-61563-30

Date Collected: 08/20/13 08:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.0		20	7.0	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	08/23/13 07:12	08/23/13 18:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	71		50 - 116				08/23/13 07:12	08/23/13 18:35	1
DCB Decachlorobiphenyl	93		48 - 142				08/23/13 07:12	08/23/13 18:35	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-83 (0-2)

Lab Sample ID: 500-61563-31

Date Collected: 08/20/13 08:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
<b>PCB-1254</b>	<b>29</b>		19	4.1	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/23/13 07:12	08/23/13 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		50 - 116	08/23/13 07:12	08/23/13 18:49	1
DCB Decachlorobiphenyl	96		48 - 142	08/23/13 07:12	08/23/13 18:49	1

## Client Sample ID: MKC-83 (2-4)

Lab Sample ID: 500-61563-32

Date Collected: 08/20/13 08:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		50 - 116	08/23/13 07:12	08/23/13 19:03	1
DCB Decachlorobiphenyl	97		48 - 142	08/23/13 07:12	08/23/13 19:03	1

## Client Sample ID: MKC-84 (0-2)

Lab Sample ID: 500-61563-33

Date Collected: 08/20/13 09:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		50 - 116	08/23/13 07:12	08/23/13 19:17	1
DCB Decachlorobiphenyl	105		48 - 142	08/23/13 07:12	08/23/13 19:17	1

TestAmerica Chicago



# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-84 (2-4)

Lab Sample ID: 500-61563-34

Date Collected: 08/20/13 09:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.0		20	7.0	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	08/23/13 07:12	08/23/13 19:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	73		50 - 116				08/23/13 07:12	08/23/13 19:31	1
DCB Decachlorobiphenyl	94		48 - 142				08/23/13 07:12	08/23/13 19:31	1

## Client Sample ID: MKC-85 (0-2)

Lab Sample ID: 500-61563-35

Date Collected: 08/20/13 09:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	109		50 - 116				08/23/13 07:12	08/23/13 19:45	1
DCB Decachlorobiphenyl	113		48 - 142				08/23/13 07:12	08/23/13 19:45	1

## Client Sample ID: MKC-85 (2-4)

Lab Sample ID: 500-61563-36

Date Collected: 08/20/13 09:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		20	6.9	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1254	<4.2		20	4.2	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/23/13 07:12	08/23/13 19:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	69		50 - 116				08/23/13 07:12	08/23/13 19:58	1
DCB Decachlorobiphenyl	100		48 - 142				08/23/13 07:12	08/23/13 19:58	1

TestAmerica Chicago



# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-86 (0-2)

Lab Sample ID: 500-61563-37

Date Collected: 08/20/13 09:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<8.0		23	8.0	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1221	<9.9		23	9.9	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1232	<9.8		23	9.8	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1242	<7.4		23	7.4	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1248	<8.9		23	8.9	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1254	<4.9		23	4.9	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1
PCB-1260	<11		23	11	ug/Kg	☼	08/23/13 07:12	08/23/13 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		50 - 116	08/23/13 07:12	08/23/13 20:13	1
DCB Decachlorobiphenyl	182 X		48 - 142	08/23/13 07:12	08/23/13 20:13	1

## Client Sample ID: MKC-86 (2-4)

Lab Sample ID: 500-61563-38

Date Collected: 08/20/13 09:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.2		21	7.2	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1221	<9.0		21	9.0	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1232	<8.9		21	8.9	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1242	<6.7		21	6.7	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1254	<4.4		21	4.4	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1
PCB-1260	<10		21	10	ug/Kg	☼	08/23/13 07:12	08/23/13 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		50 - 116	08/23/13 07:12	08/23/13 20:27	1
DCB Decachlorobiphenyl	115		48 - 142	08/23/13 07:12	08/23/13 20:27	1

## Client Sample ID: MKC-87 (0-2)

Lab Sample ID: 500-61563-39

Date Collected: 08/20/13 09:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		20	6.9	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
<b>PCB-1254</b>	<b>250</b>		20	4.2	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/22/13 18:22	08/23/13 08:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		50 - 116	08/22/13 18:22	08/23/13 08:36	1
DCB Decachlorobiphenyl	99		48 - 142	08/22/13 18:22	08/23/13 08:36	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-87 (2-4)

Lab Sample ID: 500-61563-40

Date Collected: 08/20/13 10:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.2		20	7.2	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1254	<4.4		20	4.4	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	08/22/13 18:22	08/23/13 08:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	79		50 - 116				08/22/13 18:22	08/23/13 08:49	1
DCB Decachlorobiphenyl	100		48 - 142				08/22/13 18:22	08/23/13 08:49	1

## Client Sample ID: MKC-88 (0-2)

Lab Sample ID: 500-61563-41

Date Collected: 08/20/13 10:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1232	<8.2		19	8.2	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/22/13 18:22	08/23/13 09:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	76		50 - 116				08/22/13 18:22	08/23/13 09:31	1
DCB Decachlorobiphenyl	106		48 - 142				08/22/13 18:22	08/23/13 09:31	1

## Client Sample ID: MKC-88 (2-4)

Lab Sample ID: 500-61563-42

Date Collected: 08/20/13 10:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/22/13 18:22	08/23/13 09:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	66		50 - 116				08/22/13 18:22	08/23/13 09:45	1
DCB Decachlorobiphenyl	104		48 - 142				08/22/13 18:22	08/23/13 09:45	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-89 (0-2)

Lab Sample ID: 500-61563-43

Date Collected: 08/20/13 10:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
<b>PCB-1254</b>	<b>16</b>	<b>J</b>	19	4.1	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/22/13 18:22	08/23/13 09:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		50 - 116				08/22/13 18:22	08/23/13 09:59	1
DCB Decachlorobiphenyl	97		48 - 142				08/22/13 18:22	08/23/13 09:59	1

## Client Sample ID: MKC-89 (2-4)

Lab Sample ID: 500-61563-44

Date Collected: 08/20/13 10:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	08/22/13 18:22	08/23/13 10:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		50 - 116				08/22/13 18:22	08/23/13 10:13	1
DCB Decachlorobiphenyl	98		48 - 142				08/22/13 18:22	08/23/13 10:13	1

## Client Sample ID: MKC-90 (0-2)

Lab Sample ID: 500-61563-45

Date Collected: 08/20/13 11:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
<b>PCB-1254</b>	<b>30</b>		19	4.1	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/22/13 18:22	08/23/13 10:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		50 - 116				08/22/13 18:22	08/23/13 10:27	1
DCB Decachlorobiphenyl	100		48 - 142				08/22/13 18:22	08/23/13 10:27	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-90 (2-4)

Lab Sample ID: 500-61563-46

Date Collected: 08/20/13 11:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.2		20	7.2	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1232	<8.9		20	8.9	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1254	<4.4		20	4.4	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1
PCB-1260	<10		20	10	ug/Kg	☼	08/22/13 18:22	08/23/13 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	41	X	50 - 116	08/22/13 18:22	08/23/13 10:41	1
DCB Decachlorobiphenyl	75		48 - 142	08/22/13 18:22	08/23/13 10:41	1

## Client Sample ID: MKC-91 (0-2)

Lab Sample ID: 500-61563-47

Date Collected: 08/20/13 11:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		19	6.9	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
PCB-1221	<8.6		19	8.6	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
PCB-1232	<8.5		19	8.5	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
PCB-1248	<7.7		19	7.7	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
<b>PCB-1254</b>	<b>42</b>		19	4.2	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1
PCB-1260	<9.6		19	9.6	ug/Kg	☼	08/22/13 18:22	08/23/13 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		50 - 116	08/22/13 18:22	08/23/13 10:56	1
DCB Decachlorobiphenyl	97		48 - 142	08/22/13 18:22	08/23/13 10:56	1

## Client Sample ID: MKC-91 (2-4)

Lab Sample ID: 500-61563-48

Date Collected: 08/20/13 11:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.5		18	6.5	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1221	<8.0		18	8.0	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1232	<8.0		18	8.0	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1242	<6.0		18	6.0	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1248	<7.2		18	7.2	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1254	<3.9		18	3.9	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1
PCB-1260	<9.0		18	9.0	ug/Kg	☼	08/22/13 18:22	08/23/13 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		50 - 116	08/22/13 18:22	08/23/13 11:10	1
DCB Decachlorobiphenyl	76		48 - 142	08/22/13 18:22	08/23/13 11:10	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-92 (0-2)

Lab Sample ID: 500-61563-49

Date Collected: 08/20/13 11:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
<b>PCB-1254</b>	<b>32</b>		19	4.0	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1
PCB-1260	<9.1		19	9.1	ug/Kg	☼	08/22/13 07:17	08/23/13 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		50 - 116	08/22/13 07:17	08/23/13 00:15	1
DCB Decachlorobiphenyl	93		48 - 142	08/22/13 07:17	08/23/13 00:15	1

## Client Sample ID: MKC-92 (2-4)

Lab Sample ID: 500-61563-50

Date Collected: 08/20/13 11:50

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/22/13 07:17	08/23/13 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		50 - 116	08/22/13 07:17	08/23/13 00:01	1
DCB Decachlorobiphenyl	93		48 - 142	08/22/13 07:17	08/23/13 00:01	1

## Client Sample ID: MKC-93 (0-2)

Lab Sample ID: 500-61563-51

Date Collected: 08/20/13 12:05

Matrix: Solid

Date Received: 08/21/13 10:10

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	<6.8		19	6.8	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
<b>PCB-1254</b>	<b>39</b>		19	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/22/13 07:17	08/22/13 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		50 - 116	08/22/13 07:17	08/22/13 23:47	1
DCB Decachlorobiphenyl	111		48 - 142	08/22/13 07:17	08/22/13 23:47	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-93 (2-4)

Lab Sample ID: 500-61563-52

Date Collected: 08/20/13 12:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		20	6.9	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1254	<4.2		20	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/22/13 07:17	08/22/13 23:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	88		50 - 116				08/22/13 07:17	08/22/13 23:33	1
DCB Decachlorobiphenyl	106		48 - 142				08/22/13 07:17	08/22/13 23:33	1

## Client Sample ID: MKC-94 (0-2)

Lab Sample ID: 500-61563-53

Date Collected: 08/20/13 13:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		19	6.9	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
<b>PCB-1254</b>	<b>40</b>		19	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/22/13 07:17	08/22/13 23:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	94		50 - 116				08/22/13 07:17	08/22/13 23:19	1
DCB Decachlorobiphenyl	97		48 - 142				08/22/13 07:17	08/22/13 23:19	1

## Client Sample ID: MKC-94 (2-4)

Lab Sample ID: 500-61563-54

Date Collected: 08/20/13 13:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
<b>PCB-1254</b>	<b>9.9 J</b>		20	4.3	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	08/22/13 07:17	08/22/13 22:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	97		50 - 116				08/22/13 07:17	08/22/13 22:37	1
DCB Decachlorobiphenyl	103		48 - 142				08/22/13 07:17	08/22/13 22:37	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-95 (0-2)

Lab Sample ID: 500-61563-55

Date Collected: 08/20/13 13:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
PCB-1248	<7.4		19	7.4	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
<b>PCB-1254</b>	<b>27</b>		19	4.0	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/22/13 07:17	08/22/13 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		50 - 116	08/22/13 07:17	08/22/13 22:23	1
DCB Decachlorobiphenyl	119		48 - 142	08/22/13 07:17	08/22/13 22:23	1

## Client Sample ID: MKC-95 (2-4)

Lab Sample ID: 500-61563-56

Date Collected: 08/20/13 13:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/22/13 07:17	08/22/13 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		50 - 116	08/22/13 07:17	08/22/13 22:09	1
DCB Decachlorobiphenyl	99		48 - 142	08/22/13 07:17	08/22/13 22:09	1

## Client Sample ID: MKC-96 (0-2)

Lab Sample ID: 500-61563-57

Date Collected: 08/20/13 13:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
PCB-1242	<6.4		19	6.4	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
<b>PCB-1254</b>	<b>110</b>		19	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	08/22/13 07:17	08/22/13 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		50 - 116	08/22/13 07:17	08/22/13 21:55	1
DCB Decachlorobiphenyl	99		48 - 142	08/22/13 07:17	08/22/13 21:55	1

TestAmerica Chicago



# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-96 (2-4)

Lab Sample ID: 500-61563-58

Date Collected: 08/20/13 14:00

Matrix: Solid

Date Received: 08/21/13 10:10

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	<6.7		19	6.7	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/22/13 07:17	08/22/13 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		50 - 116	08/22/13 07:17	08/22/13 21:41	1
DCB Decachlorobiphenyl	98		48 - 142	08/22/13 07:17	08/22/13 21:41	1

## Client Sample ID: MKC-97 (0-2)

Lab Sample ID: 500-61563-59

Date Collected: 08/20/13 14:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/22/13 07:17	08/22/13 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		50 - 116	08/22/13 07:17	08/22/13 21:13	1
DCB Decachlorobiphenyl	102		48 - 142	08/22/13 07:17	08/22/13 21:13	1

## Client Sample ID: MKC-97 (2-4)

Lab Sample ID: 500-61563-60

Date Collected: 08/20/13 14:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1
PCB-1260	<9.4		19	9.4	ug/Kg	☼	08/22/13 07:17	08/22/13 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	62		50 - 116	08/22/13 07:17	08/22/13 20:59	1
DCB Decachlorobiphenyl	94		48 - 142	08/22/13 07:17	08/22/13 20:59	1

TestAmerica Chicago



# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-98 (0-2)

Lab Sample ID: 500-61563-61

Date Collected: 08/20/13 14:25

Matrix: Solid

Date Received: 08/21/13 10:10

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	<6.6		19	6.6	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
PCB-1232	<8.2		19	8.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
PCB-1248	<7.4		19	7.4	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
<b>PCB-1254</b>	<b>53</b>		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	90		50 - 116				08/22/13 07:17	08/22/13 20:45	1
DCB Decachlorobiphenyl	95		48 - 142				08/22/13 07:17	08/22/13 20:45	1

## Client Sample ID: MKC-98 (2-4)

Lab Sample ID: 500-61563-62

Date Collected: 08/20/13 14:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1232	<8.2		19	8.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1248	<7.4		19	7.4	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	71		50 - 116				08/22/13 07:17	08/22/13 20:31	1
DCB Decachlorobiphenyl	95		48 - 142				08/22/13 07:17	08/22/13 20:31	1

## Client Sample ID: MKC-99 (0-2)

Lab Sample ID: 500-61563-63

Date Collected: 08/20/13 14:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
PCB-1221	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
<b>PCB-1254</b>	<b>70</b>		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	95		50 - 116				08/22/13 07:17	08/22/13 20:17	1
DCB Decachlorobiphenyl	86		48 - 142				08/22/13 07:17	08/22/13 20:17	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-99 (2-4)

Lab Sample ID: 500-61563-64

Date Collected: 08/20/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.7		19	6.7	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1221	<8.4		19	8.4	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1232	<8.3		19	8.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1242	<6.2		19	6.2	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1248	<7.5		19	7.5	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1254	<4.1		19	4.1	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1
PCB-1260	<9.3		19	9.3	ug/Kg	☼	08/22/13 07:17	08/22/13 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		50 - 116	08/22/13 07:17	08/22/13 20:03	1
DCB Decachlorobiphenyl	96		48 - 142	08/22/13 07:17	08/22/13 20:03	1

## Client Sample ID: DUP

Lab Sample ID: 500-61563-65

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.4		18	6.4	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
PCB-1221	<8.0		18	8.0	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
PCB-1232	<7.9		18	7.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
PCB-1242	<6.0		18	6.0	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
PCB-1248	<7.1		18	7.1	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
<b>PCB-1254</b>	<b>90</b>		18	3.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1
PCB-1260	<8.9		18	8.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		50 - 116	08/22/13 07:17	08/22/13 19:49	1
DCB Decachlorobiphenyl	97		48 - 142	08/22/13 07:17	08/22/13 19:49	1

## Client Sample ID: DUP 2

Lab Sample ID: 500-61563-66

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

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	<7.1		20	7.1	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	08/22/13 07:17	08/22/13 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		50 - 116	08/22/13 07:17	08/22/13 19:35	1
DCB Decachlorobiphenyl	96		48 - 142	08/22/13 07:17	08/22/13 19:35	1

TestAmerica Chicago

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: DUP 3

Date Collected: 08/20/13 00:00

Date Received: 08/21/13 10:10

## Lab Sample ID: 500-61563-67

Matrix: Solid

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
<b>PCB-1254</b>	<b>350</b>		20	4.4	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		50 - 116	08/22/13 07:17	08/22/13 19:21	1
DCB Decachlorobiphenyl	96		48 - 142	08/22/13 07:17	08/22/13 19:21	1

## Client Sample ID: DUP 4

Date Collected: 08/20/13 00:00

Date Received: 08/21/13 10:10

## Lab Sample ID: 500-61563-68

Matrix: Solid

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.9		20	6.9	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
<b>PCB-1254</b>	<b>9.5 J</b>		20	4.2	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	08/22/13 07:17	08/22/13 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		50 - 116	08/22/13 07:17	08/22/13 19:07	1
DCB Decachlorobiphenyl	88		48 - 142	08/22/13 07:17	08/22/13 19:07	1

# Definitions/Glossary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## GC Semi VOA

### Prep Batch: 199375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-1	MKC-68 (0-2)	Total/NA	Solid	3541	
500-61563-1 MS	MKC-68 (0-2)	Total/NA	Solid	3541	
500-61563-1 MSD	MKC-68 (0-2)	Total/NA	Solid	3541	
500-61563-2	MKC-68 (2-4)	Total/NA	Solid	3541	
500-61563-3	MKC-69 (0-2)	Total/NA	Solid	3541	
500-61563-4	MKC-69 (2-4)	Total/NA	Solid	3541	
500-61563-5	MKC-70 (0-2)	Total/NA	Solid	3541	
500-61563-6	MKC-70 (2-4)	Total/NA	Solid	3541	
500-61563-7	MKC-71 (0-2)	Total/NA	Solid	3541	
500-61563-8	MKC-71 (2-4)	Total/NA	Solid	3541	
500-61563-9	MKC-72 (0-2)	Total/NA	Solid	3541	
500-61563-10	MKC-72 (2-4)	Total/NA	Solid	3541	
500-61563-11	MKC-73 (0-2)	Total/NA	Solid	3541	
500-61563-12	MKC-73 (2-4)	Total/NA	Solid	3541	
500-61563-13	MKC-74 (0-2)	Total/NA	Solid	3541	
500-61563-14	MKC-74 (2-4)	Total/NA	Solid	3541	
500-61563-15	MKC-75 (0-2)	Total/NA	Solid	3541	
500-61563-16	MKC-75 (2-4)	Total/NA	Solid	3541	
500-61563-17	MKC-76 (0-2)	Total/NA	Solid	3541	
500-61563-18	MKC-76 (2-4)	Total/NA	Solid	3541	
500-61563-19	MKC-77 (0-2)	Total/NA	Solid	3541	
500-61563-20	MKC-77 (2-4)	Total/NA	Solid	3541	
LCS 500-199375/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-199375/1-A	Method Blank	Total/NA	Solid	3541	

### Prep Batch: 199398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-49	MKC-92 (0-2)	Total/NA	Solid	3541	
500-61563-50	MKC-92 (2-4)	Total/NA	Solid	3541	
500-61563-51	MKC-93 (0-2)	Total/NA	Solid	3541	
500-61563-52	MKC-93 (2-4)	Total/NA	Solid	3541	
500-61563-53	MKC-94 (0-2)	Total/NA	Solid	3541	
500-61563-53 MS	MKC-94 (0-2)	Total/NA	Solid	3541	
500-61563-53 MSD	MKC-94 (0-2)	Total/NA	Solid	3541	
500-61563-54	MKC-94 (2-4)	Total/NA	Solid	3541	
500-61563-55	MKC-95 (0-2)	Total/NA	Solid	3541	
500-61563-56	MKC-95 (2-4)	Total/NA	Solid	3541	
500-61563-57	MKC-96 (0-2)	Total/NA	Solid	3541	
500-61563-58	MKC-96 (2-4)	Total/NA	Solid	3541	
500-61563-59	MKC-97 (0-2)	Total/NA	Solid	3541	
500-61563-60	MKC-97 (2-4)	Total/NA	Solid	3541	
500-61563-61	MKC-98 (0-2)	Total/NA	Solid	3541	
500-61563-62	MKC-98 (2-4)	Total/NA	Solid	3541	
500-61563-63	MKC-99 (0-2)	Total/NA	Solid	3541	
500-61563-64	MKC-99 (2-4)	Total/NA	Solid	3541	
500-61563-65	DUP	Total/NA	Solid	3541	
500-61563-66	DUP 2	Total/NA	Solid	3541	
500-61563-67	DUP 3	Total/NA	Solid	3541	
500-61563-68	DUP 4	Total/NA	Solid	3541	
LCS 500-199398/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-199398/1-A	Method Blank	Total/NA	Solid	3541	

TestAmerica Chicago

# QC Association Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## GC Semi VOA (Continued)

Analysis Batch: 199427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-1	MKC-68 (0-2)	Total/NA	Solid	8082	199375
500-61563-1 MS	MKC-68 (0-2)	Total/NA	Solid	8082	199375
500-61563-1 MSD	MKC-68 (0-2)	Total/NA	Solid	8082	199375
500-61563-2	MKC-68 (2-4)	Total/NA	Solid	8082	199375
500-61563-3	MKC-69 (0-2)	Total/NA	Solid	8082	199375
500-61563-4	MKC-69 (2-4)	Total/NA	Solid	8082	199375
500-61563-5	MKC-70 (0-2)	Total/NA	Solid	8082	199375
500-61563-6	MKC-70 (2-4)	Total/NA	Solid	8082	199375
500-61563-7	MKC-71 (0-2)	Total/NA	Solid	8082	199375
500-61563-8	MKC-71 (2-4)	Total/NA	Solid	8082	199375
500-61563-9	MKC-72 (0-2)	Total/NA	Solid	8082	199375
500-61563-10	MKC-72 (2-4)	Total/NA	Solid	8082	199375
500-61563-11	MKC-73 (0-2)	Total/NA	Solid	8082	199375
500-61563-12	MKC-73 (2-4)	Total/NA	Solid	8082	199375
500-61563-13	MKC-74 (0-2)	Total/NA	Solid	8082	199375
500-61563-14	MKC-74 (2-4)	Total/NA	Solid	8082	199375
500-61563-15	MKC-75 (0-2)	Total/NA	Solid	8082	199375
500-61563-16	MKC-75 (2-4)	Total/NA	Solid	8082	199375
500-61563-17	MKC-76 (0-2)	Total/NA	Solid	8082	199375
500-61563-18	MKC-76 (2-4)	Total/NA	Solid	8082	199375
500-61563-19	MKC-77 (0-2)	Total/NA	Solid	8082	199375
500-61563-20	MKC-77 (2-4)	Total/NA	Solid	8082	199375
500-61563-21	MKC-78 (0-2)	Total/NA	Solid	8082	199599
500-61563-22	MKC-78 (2-4)	Total/NA	Solid	8082	199599
500-61563-23	MKC-79 (0-2)	Total/NA	Solid	8082	199599
500-61563-24	MKC-79 (2-4)	Total/NA	Solid	8082	199599
500-61563-25	MKC-80 (0-2)	Total/NA	Solid	8082	199599
500-61563-26	MKC-80 (2-4)	Total/NA	Solid	8082	199599
500-61563-27	MKC-81 (0-2)	Total/NA	Solid	8082	199599
500-61563-28	MKC-81 (2-4)	Total/NA	Solid	8082	199599
500-61563-28 MS	MKC-81 (2-4)	Total/NA	Solid	8082	199599
500-61563-28 MSD	MKC-81 (2-4)	Total/NA	Solid	8082	199599
500-61563-29	MKC-82 (0-2)	Total/NA	Solid	8082	199599
500-61563-29 MS	MKC-82 (0-2)	Total/NA	Solid	8082	199599
500-61563-29 MSD	MKC-82 (0-2)	Total/NA	Solid	8082	199599
500-61563-30	MKC-82 (2-4)	Total/NA	Solid	8082	199599
500-61563-31	MKC-83 (0-2)	Total/NA	Solid	8082	199599
500-61563-32	MKC-83 (2-4)	Total/NA	Solid	8082	199599
500-61563-33	MKC-84 (0-2)	Total/NA	Solid	8082	199599
500-61563-34	MKC-84 (2-4)	Total/NA	Solid	8082	199599
500-61563-35	MKC-85 (0-2)	Total/NA	Solid	8082	199599
500-61563-36	MKC-85 (2-4)	Total/NA	Solid	8082	199599
500-61563-37	MKC-86 (0-2)	Total/NA	Solid	8082	199599
500-61563-38	MKC-86 (2-4)	Total/NA	Solid	8082	199599
500-61563-39	MKC-87 (0-2)	Total/NA	Solid	8082	199572
500-61563-40	MKC-87 (2-4)	Total/NA	Solid	8082	199572
500-61563-40 MS	MKC-87 (2-4)	Total/NA	Solid	8082	199572
500-61563-40 MSD	MKC-87 (2-4)	Total/NA	Solid	8082	199572
500-61563-41	MKC-88 (0-2)	Total/NA	Solid	8082	199572
500-61563-42	MKC-88 (2-4)	Total/NA	Solid	8082	199572
500-61563-43	MKC-89 (0-2)	Total/NA	Solid	8082	199572

TestAmerica Chicago

# QC Association Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## GC Semi VOA (Continued)

### Analysis Batch: 199427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-44	MKC-89 (2-4)	Total/NA	Solid	8082	199572
500-61563-45	MKC-90 (0-2)	Total/NA	Solid	8082	199572
500-61563-46	MKC-90 (2-4)	Total/NA	Solid	8082	199572
500-61563-47	MKC-91 (0-2)	Total/NA	Solid	8082	199572
500-61563-48	MKC-91 (2-4)	Total/NA	Solid	8082	199572
500-61563-49	MKC-92 (0-2)	Total/NA	Solid	8082	199398
500-61563-50	MKC-92 (2-4)	Total/NA	Solid	8082	199398
500-61563-51	MKC-93 (0-2)	Total/NA	Solid	8082	199398
500-61563-52	MKC-93 (2-4)	Total/NA	Solid	8082	199398
500-61563-53	MKC-94 (0-2)	Total/NA	Solid	8082	199398
500-61563-53 MS	MKC-94 (0-2)	Total/NA	Solid	8082	199398
500-61563-53 MSD	MKC-94 (0-2)	Total/NA	Solid	8082	199398
500-61563-54	MKC-94 (2-4)	Total/NA	Solid	8082	199398
500-61563-55	MKC-95 (0-2)	Total/NA	Solid	8082	199398
500-61563-56	MKC-95 (2-4)	Total/NA	Solid	8082	199398
500-61563-57	MKC-96 (0-2)	Total/NA	Solid	8082	199398
500-61563-58	MKC-96 (2-4)	Total/NA	Solid	8082	199398
500-61563-59	MKC-97 (0-2)	Total/NA	Solid	8082	199398
500-61563-60	MKC-97 (2-4)	Total/NA	Solid	8082	199398
500-61563-61	MKC-98 (0-2)	Total/NA	Solid	8082	199398
500-61563-62	MKC-98 (2-4)	Total/NA	Solid	8082	199398
500-61563-63	MKC-99 (0-2)	Total/NA	Solid	8082	199398
500-61563-64	MKC-99 (2-4)	Total/NA	Solid	8082	199398
500-61563-65	DUP	Total/NA	Solid	8082	199398
500-61563-66	DUP 2	Total/NA	Solid	8082	199398
500-61563-67	DUP 3	Total/NA	Solid	8082	199398
500-61563-68	DUP 4	Total/NA	Solid	8082	199398
LCS 500-199375/2-A	Lab Control Sample	Total/NA	Solid	8082	199375
LCS 500-199398/2-A	Lab Control Sample	Total/NA	Solid	8082	199398
LCS 500-199572/2-A	Lab Control Sample	Total/NA	Solid	8082	199572
LCS 500-199599/2-A	Lab Control Sample	Total/NA	Solid	8082	199599
MB 500-199375/1-A	Method Blank	Total/NA	Solid	8082	199375
MB 500-199398/1-A	Method Blank	Total/NA	Solid	8082	199398
MB 500-199572/1-A	Method Blank	Total/NA	Solid	8082	199572
MB 500-199599/1-A	Method Blank	Total/NA	Solid	8082	199599

### Prep Batch: 199572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-39	MKC-87 (0-2)	Total/NA	Solid	3541	
500-61563-40	MKC-87 (2-4)	Total/NA	Solid	3541	
500-61563-40 MS	MKC-87 (2-4)	Total/NA	Solid	3541	
500-61563-40 MSD	MKC-87 (2-4)	Total/NA	Solid	3541	
500-61563-41	MKC-88 (0-2)	Total/NA	Solid	3541	
500-61563-42	MKC-88 (2-4)	Total/NA	Solid	3541	
500-61563-43	MKC-89 (0-2)	Total/NA	Solid	3541	
500-61563-44	MKC-89 (2-4)	Total/NA	Solid	3541	
500-61563-45	MKC-90 (0-2)	Total/NA	Solid	3541	
500-61563-46	MKC-90 (2-4)	Total/NA	Solid	3541	
500-61563-47	MKC-91 (0-2)	Total/NA	Solid	3541	
500-61563-48	MKC-91 (2-4)	Total/NA	Solid	3541	
LCS 500-199572/2-A	Lab Control Sample	Total/NA	Solid	3541	

TestAmerica Chicago

# QC Association Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## GC Semi VOA (Continued)

### Prep Batch: 199572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-199572/1-A	Method Blank	Total/NA	Solid	3541	

### Prep Batch: 199599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-21	MKC-78 (0-2)	Total/NA	Solid	3541	
500-61563-22	MKC-78 (2-4)	Total/NA	Solid	3541	
500-61563-23	MKC-79 (0-2)	Total/NA	Solid	3541	
500-61563-24	MKC-79 (2-4)	Total/NA	Solid	3541	
500-61563-25	MKC-80 (0-2)	Total/NA	Solid	3541	
500-61563-26	MKC-80 (2-4)	Total/NA	Solid	3541	
500-61563-27	MKC-81 (0-2)	Total/NA	Solid	3541	
500-61563-28	MKC-81 (2-4)	Total/NA	Solid	3541	
500-61563-28 MS	MKC-81 (2-4)	Total/NA	Solid	3541	
500-61563-28 MSD	MKC-81 (2-4)	Total/NA	Solid	3541	
500-61563-29	MKC-82 (0-2)	Total/NA	Solid	3541	
500-61563-29 MS	MKC-82 (0-2)	Total/NA	Solid	3541	
500-61563-29 MSD	MKC-82 (0-2)	Total/NA	Solid	3541	
500-61563-30	MKC-82 (2-4)	Total/NA	Solid	3541	
500-61563-31	MKC-83 (0-2)	Total/NA	Solid	3541	
500-61563-32	MKC-83 (2-4)	Total/NA	Solid	3541	
500-61563-33	MKC-84 (0-2)	Total/NA	Solid	3541	
500-61563-34	MKC-84 (2-4)	Total/NA	Solid	3541	
500-61563-35	MKC-85 (0-2)	Total/NA	Solid	3541	
500-61563-36	MKC-85 (2-4)	Total/NA	Solid	3541	
500-61563-37	MKC-86 (0-2)	Total/NA	Solid	3541	
500-61563-38	MKC-86 (2-4)	Total/NA	Solid	3541	
LCS 500-199599/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-199599/1-A	Method Blank	Total/NA	Solid	3541	

## General Chemistry

### Analysis Batch: 199311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-1	MKC-68 (0-2)	Total/NA	Solid	Moisture	
500-61563-1 DU	MKC-68 (0-2)	Total/NA	Solid	Moisture	
500-61563-2	MKC-68 (2-4)	Total/NA	Solid	Moisture	
500-61563-3	MKC-69 (0-2)	Total/NA	Solid	Moisture	
500-61563-4	MKC-69 (2-4)	Total/NA	Solid	Moisture	
500-61563-5	MKC-70 (0-2)	Total/NA	Solid	Moisture	
500-61563-6	MKC-70 (2-4)	Total/NA	Solid	Moisture	
500-61563-7	MKC-71 (0-2)	Total/NA	Solid	Moisture	
500-61563-8	MKC-71 (2-4)	Total/NA	Solid	Moisture	
500-61563-9	MKC-72 (0-2)	Total/NA	Solid	Moisture	
500-61563-10	MKC-72 (2-4)	Total/NA	Solid	Moisture	
500-61563-11	MKC-73 (0-2)	Total/NA	Solid	Moisture	
500-61563-12	MKC-73 (2-4)	Total/NA	Solid	Moisture	
500-61563-13	MKC-74 (0-2)	Total/NA	Solid	Moisture	
500-61563-14	MKC-74 (2-4)	Total/NA	Solid	Moisture	
500-61563-15	MKC-75 (0-2)	Total/NA	Solid	Moisture	
500-61563-16	MKC-75 (2-4)	Total/NA	Solid	Moisture	

TestAmerica Chicago



# QC Association Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## General Chemistry (Continued)

### Analysis Batch: 199311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-17	MKC-76 (0-2)	Total/NA	Solid	Moisture	
500-61563-18	MKC-76 (2-4)	Total/NA	Solid	Moisture	
500-61563-19	MKC-77 (0-2)	Total/NA	Solid	Moisture	
500-61563-20	MKC-77 (2-4)	Total/NA	Solid	Moisture	
500-61563-21	MKC-78 (0-2)	Total/NA	Solid	Moisture	
500-61563-22	MKC-78 (2-4)	Total/NA	Solid	Moisture	
500-61563-23	MKC-79 (0-2)	Total/NA	Solid	Moisture	
500-61563-24	MKC-79 (2-4)	Total/NA	Solid	Moisture	
500-61563-25	MKC-80 (0-2)	Total/NA	Solid	Moisture	
500-61563-26	MKC-80 (2-4)	Total/NA	Solid	Moisture	

### Analysis Batch: 199320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-27	MKC-81 (0-2)	Total/NA	Solid	Moisture	
500-61563-28	MKC-81 (2-4)	Total/NA	Solid	Moisture	
500-61563-28 DU	MKC-81 (2-4)	Total/NA	Solid	Moisture	
500-61563-28 MS	MKC-81 (2-4)	Total/NA	Solid	Moisture	
500-61563-28 MSD	MKC-81 (2-4)	Total/NA	Solid	Moisture	
500-61563-29	MKC-82 (0-2)	Total/NA	Solid	Moisture	
500-61563-29 MS	MKC-82 (0-2)	Total/NA	Solid	Moisture	
500-61563-29 MSD	MKC-82 (0-2)	Total/NA	Solid	Moisture	
500-61563-30	MKC-82 (2-4)	Total/NA	Solid	Moisture	
500-61563-31	MKC-83 (0-2)	Total/NA	Solid	Moisture	
500-61563-32	MKC-83 (2-4)	Total/NA	Solid	Moisture	
500-61563-33	MKC-84 (0-2)	Total/NA	Solid	Moisture	
500-61563-34	MKC-84 (2-4)	Total/NA	Solid	Moisture	
500-61563-35	MKC-85 (0-2)	Total/NA	Solid	Moisture	
500-61563-36	MKC-85 (2-4)	Total/NA	Solid	Moisture	
500-61563-37	MKC-86 (0-2)	Total/NA	Solid	Moisture	
500-61563-38	MKC-86 (2-4)	Total/NA	Solid	Moisture	
500-61563-39	MKC-87 (0-2)	Total/NA	Solid	Moisture	
500-61563-40	MKC-87 (2-4)	Total/NA	Solid	Moisture	
500-61563-40 MS	MKC-87 (2-4)	Total/NA	Solid	Moisture	
500-61563-40 MSD	MKC-87 (2-4)	Total/NA	Solid	Moisture	
500-61563-41	MKC-88 (0-2)	Total/NA	Solid	Moisture	
500-61563-42	MKC-88 (2-4)	Total/NA	Solid	Moisture	
500-61563-43	MKC-89 (0-2)	Total/NA	Solid	Moisture	
500-61563-44	MKC-89 (2-4)	Total/NA	Solid	Moisture	
500-61563-45	MKC-90 (0-2)	Total/NA	Solid	Moisture	
500-61563-46	MKC-90 (2-4)	Total/NA	Solid	Moisture	
500-61563-47	MKC-91 (0-2)	Total/NA	Solid	Moisture	
500-61563-48	MKC-91 (2-4)	Total/NA	Solid	Moisture	
500-61563-49	MKC-92 (0-2)	Total/NA	Solid	Moisture	
500-61563-50	MKC-92 (2-4)	Total/NA	Solid	Moisture	
500-61563-51	MKC-93 (0-2)	Total/NA	Solid	Moisture	
500-61563-52	MKC-93 (2-4)	Total/NA	Solid	Moisture	

### Analysis Batch: 199334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-53	MKC-94 (0-2)	Total/NA	Solid	Moisture	
500-61563-53 DU	MKC-94 (0-2)	Total/NA	Solid	Moisture	

TestAmerica Chicago

# QC Association Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## General Chemistry (Continued)

### Analysis Batch: 199334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-61563-53 MS	MKC-94 (0-2)	Total/NA	Solid	Moisture	
500-61563-53 MSD	MKC-94 (0-2)	Total/NA	Solid	Moisture	
500-61563-54	MKC-94 (2-4)	Total/NA	Solid	Moisture	
500-61563-55	MKC-95 (0-2)	Total/NA	Solid	Moisture	
500-61563-56	MKC-95 (2-4)	Total/NA	Solid	Moisture	
500-61563-57	MKC-96 (0-2)	Total/NA	Solid	Moisture	
500-61563-58	MKC-96 (2-4)	Total/NA	Solid	Moisture	
500-61563-59	MKC-97 (0-2)	Total/NA	Solid	Moisture	
500-61563-60	MKC-97 (2-4)	Total/NA	Solid	Moisture	
500-61563-61	MKC-98 (0-2)	Total/NA	Solid	Moisture	
500-61563-62	MKC-98 (2-4)	Total/NA	Solid	Moisture	
500-61563-63	MKC-99 (0-2)	Total/NA	Solid	Moisture	
500-61563-64	MKC-99 (2-4)	Total/NA	Solid	Moisture	
500-61563-65	DUP	Total/NA	Solid	Moisture	
500-61563-66	DUP 2	Total/NA	Solid	Moisture	
500-61563-67	DUP 3	Total/NA	Solid	Moisture	
500-61563-68	DUP 4	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (50-116)	DCB1 (48-142)
500-61563-1	MKC-68 (0-2)	91	86
500-61563-1 MS	MKC-68 (0-2)	98	88
500-61563-1 MSD	MKC-68 (0-2)	107	91
500-61563-2	MKC-68 (2-4)	72	93
500-61563-3	MKC-69 (0-2)	98	93
500-61563-4	MKC-69 (2-4)	70	94
500-61563-5	MKC-70 (0-2)	95	88
500-61563-6	MKC-70 (2-4)	81	96
500-61563-7	MKC-71 (0-2)	91	108
500-61563-8	MKC-71 (2-4)	76	99
500-61563-9	MKC-72 (0-2)	79	77
500-61563-10	MKC-72 (2-4)	72	96
500-61563-11	MKC-73 (0-2)	89	88
500-61563-12	MKC-73 (2-4)	78	87
500-61563-13	MKC-74 (0-2)	91	95
500-61563-14	MKC-74 (2-4)	95	111
500-61563-15	MKC-75 (0-2)	90	89
500-61563-16	MKC-75 (2-4)	55	97
500-61563-17	MKC-76 (0-2)	69	99
500-61563-18	MKC-76 (2-4)	64	99
500-61563-19	MKC-77 (0-2)	95	101
500-61563-20	MKC-77 (2-4)	88	95
500-61563-21	MKC-78 (0-2)	103	84
500-61563-22	MKC-78 (2-4)	84	98
500-61563-23	MKC-79 (0-2)	95	91
500-61563-24	MKC-79 (2-4)	103	96
500-61563-25	MKC-80 (0-2)	91	103
500-61563-26	MKC-80 (2-4)	84	103
500-61563-27	MKC-81 (0-2)	108	106
500-61563-28	MKC-81 (2-4)	75	101
500-61563-28 MS	MKC-81 (2-4)	77	104
500-61563-28 MSD	MKC-81 (2-4)	70	99
500-61563-29	MKC-82 (0-2)	109	111
500-61563-29 MS	MKC-82 (0-2)	118 X	112
500-61563-29 MSD	MKC-82 (0-2)	116	109
500-61563-30	MKC-82 (2-4)	71	93
500-61563-31	MKC-83 (0-2)	85	96
500-61563-32	MKC-83 (2-4)	68	97
500-61563-33	MKC-84 (0-2)	77	105
500-61563-34	MKC-84 (2-4)	73	94
500-61563-35	MKC-85 (0-2)	109	113
500-61563-36	MKC-85 (2-4)	69	100
500-61563-37	MKC-86 (0-2)	102	182 X
500-61563-38	MKC-86 (2-4)	99	115
500-61563-39	MKC-87 (0-2)	97	99
500-61563-40	MKC-87 (2-4)	79	100
500-61563-40 MS	MKC-87 (2-4)	66	94
500-61563-40 MSD	MKC-87 (2-4)	75	106
500-61563-41	MKC-88 (0-2)	76	106

# Surrogate Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (50-116)	DCB1 (48-142)
500-61563-42	MKC-88 (2-4)	66	104
500-61563-43	MKC-89 (0-2)	71	97
500-61563-44	MKC-89 (2-4)	66	98
500-61563-45	MKC-90 (0-2)	87	100
500-61563-46	MKC-90 (2-4)	41 X	75
500-61563-47	MKC-91 (0-2)	88	97
500-61563-48	MKC-91 (2-4)	61	76
500-61563-49	MKC-92 (0-2)	94	93
500-61563-50	MKC-92 (2-4)	99	93
500-61563-51	MKC-93 (0-2)	109	111
500-61563-52	MKC-93 (2-4)	88	106
500-61563-53	MKC-94 (0-2)	94	97
500-61563-53 MS	MKC-94 (0-2)	103	94
500-61563-53 MSD	MKC-94 (0-2)	101	106
500-61563-54	MKC-94 (2-4)	97	103
500-61563-55	MKC-95 (0-2)	105	119
500-61563-56	MKC-95 (2-4)	75	99
500-61563-57	MKC-96 (0-2)	100	99
500-61563-58	MKC-96 (2-4)	80	98
500-61563-59	MKC-97 (0-2)	84	102
500-61563-60	MKC-97 (2-4)	62	94
500-61563-61	MKC-98 (0-2)	90	95
500-61563-62	MKC-98 (2-4)	71	95
500-61563-63	MKC-99 (0-2)	95	86
500-61563-64	MKC-99 (2-4)	61	96
500-61563-65	DUP	96	97
500-61563-66	DUP 2	76	96
500-61563-67	DUP 3	98	96
500-61563-68	DUP 4	71	88
LCS 500-199375/2-A	Lab Control Sample	81	107
LCS 500-199398/2-A	Lab Control Sample	76	101
LCS 500-199572/2-A	Lab Control Sample	70	108
LCS 500-199599/2-A	Lab Control Sample	85	101
MB 500-199375/1-A	Method Blank	91	95
MB 500-199398/1-A	Method Blank	85	100
MB 500-199572/1-A	Method Blank	96	107
MB 500-199599/1-A	Method Blank	91	100

**Surrogate Legend**

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

**Lab Sample ID: MB 500-199375/1-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 199375**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/21/13 18:12	08/22/13 13:03	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/21/13 18:12	08/22/13 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 116	08/21/13 18:12	08/22/13 13:03	1
DCB Decachlorobiphenyl	95		48 - 142	08/21/13 18:12	08/22/13 13:03	1

**Lab Sample ID: LCS 500-199375/2-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 199375**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	141		ug/Kg		85	59 - 110
PCB-1260	167	167		ug/Kg		100	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	81		50 - 116
DCB Decachlorobiphenyl	107		48 - 142

**Lab Sample ID: 500-61563-1 MS**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-68 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199375**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<6.3		176	183		ug/Kg	☼	104	59 - 110
PCB-1260	<8.8		176	159		ug/Kg	☼	90	69 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	98		50 - 116
DCB Decachlorobiphenyl	88		48 - 142

**Lab Sample ID: 500-61563-1 MSD**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-68 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199375**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<6.3		175	194	F	ug/Kg	☼	111	59 - 110	6	30
PCB-1260	<8.8		175	169		ug/Kg	☼	96	69 - 120	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	107		50 - 116
DCB Decachlorobiphenyl	91		48 - 142

TestAmerica Chicago

# QC Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

**Lab Sample ID: MB 500-199398/1-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 199398**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/22/13 07:17	08/23/13 00:43	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/22/13 07:17	08/23/13 00:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		50 - 116	08/22/13 07:17	08/23/13 00:43	1
DCB Decachlorobiphenyl	100		48 - 142	08/22/13 07:17	08/23/13 00:43	1

**Lab Sample ID: LCS 500-199398/2-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 199398**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	150		ug/Kg		89	59 - 110
PCB-1260	167	159		ug/Kg		95	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	76		50 - 116
DCB Decachlorobiphenyl	101		48 - 142

**Lab Sample ID: 500-61563-53 MS**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-94 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<6.9		192	217	F	ug/Kg	☼	113	59 - 110
PCB-1260	<9.5		192	201		ug/Kg	☼	105	69 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	103		50 - 116
DCB Decachlorobiphenyl	94		48 - 142

**Lab Sample ID: 500-61563-53 MSD**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-94 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<6.9		190	196		ug/Kg	☼	103	59 - 110	10	30
PCB-1260	<9.5		190	201		ug/Kg	☼	106	69 - 120	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	101		50 - 116
DCB Decachlorobiphenyl	106		48 - 142

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# QC Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

**Lab Sample ID: MB 500-199572/1-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 199572**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/22/13 18:22	08/23/13 08:07	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/22/13 18:22	08/23/13 08:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		50 - 116	08/22/13 18:22	08/23/13 08:07	1
DCB Decachlorobiphenyl	107		48 - 142	08/22/13 18:22	08/23/13 08:07	1

**Lab Sample ID: LCS 500-199572/2-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 199572**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	142		ug/Kg		85	59 - 110
PCB-1260	167	164		ug/Kg		98	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	70		50 - 116
DCB Decachlorobiphenyl	108		48 - 142

**Lab Sample ID: 500-61563-40 MS**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-87 (2-4)**

**Prep Type: Total/NA**

**Prep Batch: 199572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<7.2		197	164		ug/Kg	☼	83	59 - 110
PCB-1260	<9.9		197	169		ug/Kg	☼	86	69 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	66		50 - 116
DCB Decachlorobiphenyl	94		48 - 142

**Lab Sample ID: 500-61563-40 MSD**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-87 (2-4)**

**Prep Type: Total/NA**

**Prep Batch: 199572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<7.2		202	197		ug/Kg	☼	98	59 - 110	18	30
PCB-1260	<9.9		202	196		ug/Kg	☼	97	69 - 120	15	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	75		50 - 116
DCB Decachlorobiphenyl	106		48 - 142

TestAmerica Chicago

# QC Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

**Lab Sample ID: MB 500-199599/1-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/23/13 07:12	08/23/13 14:51	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/23/13 07:12	08/23/13 14:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 116	08/23/13 07:12	08/23/13 14:51	1
DCB Decachlorobiphenyl	100		48 - 142	08/23/13 07:12	08/23/13 14:51	1

**Lab Sample ID: LCS 500-199599/2-A**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	154		ug/Kg		92	59 - 110
PCB-1260	167	159		ug/Kg		95	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	85		50 - 116
DCB Decachlorobiphenyl	101		48 - 142

**Lab Sample ID: 500-61563-28 MS**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-81 (2-4)**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<6.5		185	173		ug/Kg	☼	93	59 - 110
PCB-1260	<9.0		185	180		ug/Kg	☼	97	69 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	77		50 - 116
DCB Decachlorobiphenyl	104		48 - 142

**Lab Sample ID: 500-61563-28 MSD**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-81 (2-4)**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<6.5		190	179		ug/Kg	☼	94	59 - 110	3	30
PCB-1260	<9.0		190	181		ug/Kg	☼	95	69 - 120	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	70		50 - 116
DCB Decachlorobiphenyl	99		48 - 142

TestAmerica Chicago



# QC Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

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

**Lab Sample ID: 500-61563-29 MS**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-82 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
PCB-1016	<6.7		184	209	F	ug/Kg	⊛	113		59 - 110
PCB-1260	<9.3		184	199		ug/Kg	⊛	108		69 - 120
<b>MS MS</b>										
Surrogate	%Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	118	X	50 - 116							
DCB Decachlorobiphenyl	112		48 - 142							

**Lab Sample ID: 500-61563-29 MSD**

**Matrix: Solid**

**Analysis Batch: 199427**

**Client Sample ID: MKC-82 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 199599**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
PCB-1016	<6.7		185	209	F	ug/Kg	⊛	113		59 - 110	0	30
PCB-1260	<9.3		185	204		ug/Kg	⊛	110		69 - 120	3	30
<b>MSD MSD</b>												
Surrogate	%Recovery	Qualifier	Limits									
Tetrachloro-m-xylene	116		50 - 116									
DCB Decachlorobiphenyl	109		48 - 142									

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-68 (0-2)

Lab Sample ID: 500-61563-1

Date Collected: 08/19/13 11:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 13:31	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-68 (2-4)

Lab Sample ID: 500-61563-2

Date Collected: 08/19/13 11:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 14:13	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-69 (0-2)

Lab Sample ID: 500-61563-3

Date Collected: 08/19/13 11:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 14:27	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-69 (2-4)

Lab Sample ID: 500-61563-4

Date Collected: 08/19/13 11:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 14:41	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-70 (0-2)

Lab Sample ID: 500-61563-5

Date Collected: 08/19/13 11:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 14:55	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-70 (2-4)

Lab Sample ID: 500-61563-6

Date Collected: 08/19/13 12:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 15:09	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-71 (0-2)

Lab Sample ID: 500-61563-7

Date Collected: 08/19/13 12:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 15:37	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-71 (2-4)

Lab Sample ID: 500-61563-8

Date Collected: 08/19/13 12:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 15:51	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-72 (0-2)

Lab Sample ID: 500-61563-9

Date Collected: 08/19/13 13:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 16:05	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-72 (2-4)

Lab Sample ID: 500-61563-10

Date Collected: 08/19/13 13:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 16:19	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-73 (0-2)

Lab Sample ID: 500-61563-11

Date Collected: 08/19/13 13:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 16:33	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-73 (2-4)

Lab Sample ID: 500-61563-12

Date Collected: 08/19/13 13:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 16:47	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-74 (0-2)

Lab Sample ID: 500-61563-13

Date Collected: 08/19/13 13:50

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 17:01	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-74 (2-4)

Lab Sample ID: 500-61563-14

Date Collected: 08/19/13 13:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 17:15	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-75 (0-2)

Lab Sample ID: 500-61563-15

Date Collected: 08/19/13 14:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 17:29	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-75 (2-4)

Lab Sample ID: 500-61563-16

Date Collected: 08/19/13 14:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 17:43	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-76 (0-2)

Lab Sample ID: 500-61563-17

Date Collected: 08/19/13 14:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 17:57	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-76 (2-4)

Lab Sample ID: 500-61563-18

Date Collected: 08/19/13 14:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 18:11	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-77 (0-2)

Lab Sample ID: 500-61563-19

Date Collected: 08/19/13 14:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 18:25	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-77 (2-4)

Lab Sample ID: 500-61563-20

Date Collected: 08/19/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199375	08/21/13 18:12	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 18:39	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-78 (0-2)

Lab Sample ID: 500-61563-21

Date Collected: 08/19/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 15:19	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-78 (2-4)

Lab Sample ID: 500-61563-22

Date Collected: 08/19/13 14:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 15:33	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-79 (0-2)

Lab Sample ID: 500-61563-23

Date Collected: 08/19/13 14:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 15:47	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-79 (2-4)

Lab Sample ID: 500-61563-24

Date Collected: 08/19/13 15:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 16:01	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-80 (0-2)

Lab Sample ID: 500-61563-25

Date Collected: 08/19/13 15:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 16:14	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-80 (2-4)

Lab Sample ID: 500-61563-26

Date Collected: 08/19/13 15:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 16:28	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199311	08/21/13 13:58	CMV	TAL CHI

## Client Sample ID: MKC-81 (0-2)

Lab Sample ID: 500-61563-27

Date Collected: 08/20/13 08:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 16:43	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-81 (2-4)

Lab Sample ID: 500-61563-28

Date Collected: 08/20/13 08:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 16:57	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-82 (0-2)

Lab Sample ID: 500-61563-29

Date Collected: 08/20/13 08:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 17:53	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-82 (2-4)

Lab Sample ID: 500-61563-30

Date Collected: 08/20/13 08:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 18:35	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-83 (0-2)

Lab Sample ID: 500-61563-31

Date Collected: 08/20/13 08:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 18:49	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-83 (2-4)

Lab Sample ID: 500-61563-32

Date Collected: 08/20/13 08:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 19:03	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-84 (0-2)

Lab Sample ID: 500-61563-33

Date Collected: 08/20/13 09:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 19:17	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-84 (2-4)

Lab Sample ID: 500-61563-34

Date Collected: 08/20/13 09:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 19:31	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-85 (0-2)

Lab Sample ID: 500-61563-35

Date Collected: 08/20/13 09:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 19:45	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

TestAmerica Chicago



# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-85 (2-4)

Lab Sample ID: 500-61563-36

Date Collected: 08/20/13 09:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 19:58	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-86 (0-2)

Lab Sample ID: 500-61563-37

Date Collected: 08/20/13 09:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 20:13	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-86 (2-4)

Lab Sample ID: 500-61563-38

Date Collected: 08/20/13 09:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199599	08/23/13 07:12	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 20:27	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-87 (0-2)

Lab Sample ID: 500-61563-39

Date Collected: 08/20/13 09:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 08:36	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-87 (2-4)

Lab Sample ID: 500-61563-40

Date Collected: 08/20/13 10:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 08:49	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-88 (0-2)

Lab Sample ID: 500-61563-41

Date Collected: 08/20/13 10:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 09:31	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-88 (2-4)

Lab Sample ID: 500-61563-42

Date Collected: 08/20/13 10:20

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 09:45	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-89 (0-2)

Lab Sample ID: 500-61563-43

Date Collected: 08/20/13 10:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 09:59	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-89 (2-4)

Lab Sample ID: 500-61563-44

Date Collected: 08/20/13 10:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 10:13	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-90 (0-2)

Lab Sample ID: 500-61563-45

Date Collected: 08/20/13 11:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 10:27	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-90 (2-4)

Lab Sample ID: 500-61563-46

Date Collected: 08/20/13 11:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 10:41	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-91 (0-2)

Lab Sample ID: 500-61563-47

Date Collected: 08/20/13 11:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 10:56	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-91 (2-4)

Lab Sample ID: 500-61563-48

Date Collected: 08/20/13 11:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199572	08/22/13 18:22	DEA	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 11:10	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-92 (0-2)

Lab Sample ID: 500-61563-49

Date Collected: 08/20/13 11:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 00:15	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-92 (2-4)

Lab Sample ID: 500-61563-50

Date Collected: 08/20/13 11:50

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/23/13 00:01	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-93 (0-2)

Lab Sample ID: 500-61563-51

Date Collected: 08/20/13 12:05

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 23:47	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-93 (2-4)

Lab Sample ID: 500-61563-52

Date Collected: 08/20/13 12:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 23:33	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199320	08/21/13 14:30	CMV	TAL CHI

## Client Sample ID: MKC-94 (0-2)

Lab Sample ID: 500-61563-53

Date Collected: 08/20/13 13:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 23:19	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-94 (2-4)

Lab Sample ID: 500-61563-54

Date Collected: 08/20/13 13:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 22:37	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-95 (0-2)

Lab Sample ID: 500-61563-55

Date Collected: 08/20/13 13:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 22:23	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-95 (2-4)

Lab Sample ID: 500-61563-56

Date Collected: 08/20/13 13:45

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 22:09	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-96 (0-2)

Lab Sample ID: 500-61563-57

Date Collected: 08/20/13 13:55

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 21:55	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-96 (2-4)

Lab Sample ID: 500-61563-58

Date Collected: 08/20/13 14:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 21:41	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-97 (0-2)

Lab Sample ID: 500-61563-59

Date Collected: 08/20/13 14:10

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 21:13	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-97 (2-4)

Lab Sample ID: 500-61563-60

Date Collected: 08/20/13 14:15

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 20:59	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: MKC-98 (0-2)

Lab Sample ID: 500-61563-61

Date Collected: 08/20/13 14:25

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 20:45	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-98 (2-4)

Lab Sample ID: 500-61563-62

Date Collected: 08/20/13 14:30

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 20:31	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-99 (0-2)

Lab Sample ID: 500-61563-63

Date Collected: 08/20/13 14:35

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 20:17	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: MKC-99 (2-4)

Lab Sample ID: 500-61563-64

Date Collected: 08/20/13 14:40

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 20:03	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: DUP

Lab Sample ID: 500-61563-65

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 19:49	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Client Sample ID: DUP 2

Lab Sample ID: 500-61563-66

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 19:35	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: DUP 3

Lab Sample ID: 500-61563-67

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 19:21	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

## Client Sample ID: DUP 4

Lab Sample ID: 500-61563-68

Date Collected: 08/20/13 00:00

Matrix: Solid

Date Received: 08/21/13 10:10

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			199398	08/22/13 07:17	STW	TAL CHI
Total/NA	Analysis	8082		1	199427	08/22/13 19:07	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	199334	08/21/13 15:14	CMV	TAL CHI

**Laboratory References:**

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

# Certification Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0003.00001

TestAmerica Job ID: 500-61563-1

## Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	08-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-14


\* Expired certification is currently pending renewal and is considered valid.



ID#: \_\_\_\_\_

# CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order # 500-61563

Send Results to:	Contact & Company Name: <b>Chris Kubacki ARCADIS</b>		Telephone: <b>414.276.7742</b>		Preservative <b>E</b>																
	Address: <b>126 N Jefferson St #400</b>		Fax: <b>414.276.7603</b>		Filtered (✓)																
	City State Zip: <b>Milwaukee WI 53202</b>		E-mail Address: <b>chris.kubacki@arcadis-us.com</b>		# of Containers <b>1</b>																
Project Name/Location (City, State): <b>MKC (Madison, WI)</b>		Project #: <b>W1001308.0003.0001</b>		<b>PARAMETER ANALYSIS &amp; METHOD</b>																	
Sampler's Printed Name: <b>Nicole Dudek</b>		Sampler's Signature: <i>[Signature]</i>																			
Sample ID		Collection		Type (✓)		Matrix	<b>REMARKS</b>														
		Date	Time	Comp	Grab																
1	MKC-08(0-2)	8/14/13	115		✓	So	1	<div style="position: absolute; top: 20px; left: 20px; transform: rotate(-45deg); font-weight: bold;">PCBs</div> <div style="position: absolute; top: 40px; left: 20px; transform: rotate(-45deg); font-weight: bold;">METHADONE</div> <div style="position: absolute; top: 450px; left: 500px; text-align: center;">                       500-61563 COC                 </div>													
2	MKC-08(2-4)		1125		✓	So	1														
3	MKC-09(0-2)		1130		✓	So	1														
4	MKC-09(2-4)		1140		✓	So	1														
5	MKC-70(0-2)		1155		✓	So	1														
6	MKC-70(2-4)		1200		✓	So	1														
7	MKC-71(0-2)		1205		✓	So	1														
8	MKC-71(2-4)		1210		✓	So	1														
9	MKC-72(0-2)		1315		✓	So	1														
10	MKC-72(2-4)		1320		✓	So	1														
11	MKC-73(0-2)		1335		✓	So	1														
12	MKC-73(2-4)		1340		✓	So	1														
13	MKC-74(0-2)		1350		✓	So	1														
14	MKC-74(2-4)		1355		✓	So	1														

**Keys**

**Preservation Key:**  
 A. H<sub>2</sub>SO<sub>4</sub>  
 B. HCL  
 C. HNO<sub>3</sub>  
 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  
 W - Water  
 T - Tissue  
 SE - Sediment  
 SL - Sludge  
 A - Air  
 NL - NAPL/Oil  
 SW - Sample Wipe  
 Other: \_\_\_\_\_

Special Instructions/Comments: \_\_\_\_\_  Special QA/QC Instructions(✓):

<b>Laboratory Information and Receipt</b>		<b>Relinquished By</b>		<b>Received By</b>		<b>Relinquished By</b>		<b>Laboratory Received By</b>	
Lab Name: <b>Test America</b>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <b>Nicole Dudek</b>	Signature: <i>[Signature]</i>	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: <b>Sherri Scott</b>	Signature: <i>[Signature]</i>
<input checked="" type="checkbox"/> Cooler packed with Ice (✓)	Sample Receipt:	Firm: <b>ARCADIS</b>	Date/Time: <b>8/20/13 1345</b>	Firm/Courier:	Date/Time:	Firm/Courier:	Date/Time:	Firm: <b>TA-CRET</b>	Date/Time: <b>8/21/13 1010</b>
Specify Turnaround Requirements: <b>5 day</b>	Condition/Cooler Temp: <b>15/0/6</b>								
Shipping Tracking #: <b>803355429348</b>									

ID#: \_\_\_\_\_

# CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order # 500-61563

Send Results to:	Contact & Company Name: <b>Chris Kurbicki ARCADIS</b>		Telephone: <b>414.276.7603</b>		Preservative <b>E</b>												<p><b>Keys</b></p> <p><b>Preservation Key:</b> A. H<sub>2</sub>SO<sub>4</sub> B. HCL C. HNO<sub>3</sub> D. NaOH E. None F. Other: _____ G. Other: _____ H. Other: _____</p> <p><b>Container Information Key:</b> 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: _____</p> <p><b>Matrix Key:</b> SO - Soil W - Water T - Tissue SE - Sediment SL - Sludge A - Air NL - NAPL/Oil SW - Sample Wipe Other: _____</p>
	Address: <b>126 N. Jefferson St #402</b>		Fax: <b>414.276.7742</b>		# of Containers <b>1</b>												
	City State Zip <b>Milwaukee WI 53202</b>		E-mail Address: <b>Chris.Kurbicki@arcadis-us.com</b>		Container Information <b>7</b>												
	Project Name/Location (City, State): <b>MKC (Madison, WI)</b>				Project #: <b>WI001308.0003.00001</b>				<p><b>PARAMETER ANALYSIS &amp; METHOD</b></p> <p style="font-size: 2em; opacity: 0.5; transform: rotate(-45deg);">PUBS METHAD 2002</p>								
Sampler's Printed Name: <b>Nicole Ducki</b>				Sampler's Signature: 													
Sample ID		Collection		Type (✓)		Matrix											
		Date	Time	Comp	Grab												
15	MKC-75(0-2)	8/19/13	1400		✓	SO	1										
16	MKC-75(2-4)		1405		✓	SO	1										
17	MKC-76(0-2)		1415		✓	SO	1										
18	MKC-76(2-4)		1420		✓	SO	1										
19	MKC-77(0-2)		1435		✓	SO	1										
20	MKC-77(2-4)		1440		✓	SO	1										
21	MKC-78(0-2)		1440		✓	SO	1										
22	MKC-78(2-4)		1445		✓	SO	1										
23	MKC-79(0-2)		1455		✓	SO	1										
24	MKC-79(2-4)		1500		✓	SO	1										
25	MKC-80(0-2)		1505		✓	SO	1										
26	MKC-80(2-4)		1510		✓	SO	1										
27	MKC-81(0-2)	8/20/13	0800		✓	SO	1										
28	MKC-81(2-4)	8/20/13	0805		✓	SO	3										MS/MSD

Special Instructions/Comments: \_\_\_\_\_  Special QA/QC Instructions(✓): \_\_\_\_\_

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: <b>Test America</b>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <b>Nicole Ducki</b>	Signature: 	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: <b>Sherri Scott</b>	Signature: 
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	Sample Receipt:	Firm: <b>ARCADIS</b>	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm: <b>TA-CHE</b>	Firm/Courier:
Specify Turnaround Requirements: <b>5 day</b>	Condition/Cooler Temp: <b>15.0/6</b>	Date/Time: <b>8/20/13 1845</b>	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time: <b>8/21/13 1010</b>	Date/Time:
Shipping Tracking #: <b>803365429348</b>									

ID#: \_\_\_\_\_

# CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order # 500-61563

Send Results to:	Contact & Company Name: <u>Chris Kubacki ARCADIS</u>		Telephone: <u>414.276.7742</u>		Preservative <u>E</u>																
	Address: <u>126 N Jefferson St #400</u>		Fax: <u>414.276.7403</u>		Filtered (✓)																
	City State Zip <u>Milwaukee WI 53202</u>		E-mail Address: <u>Chris.Kubacki@arcadis-us.com</u>		# of Containers <u>1</u>																
	Project Name/Location (City, State): <u>MKC (Madison, WI)</u>		Project #: <u>W1001896.0003.0001</u>		Container Information <u>7</u>																
Sampler's Printed Name: <u>Nicole Duchet</u>		Sampler's Signature: <u>[Signature]</u>		<b>PARAMETER ANALYSIS &amp; METHOD</b>																	
Sample ID		Collection Date Time		Type (✓) Comp Grab		Matrix	<u>PCBs Method 8082</u>										REMARKS				
<u>29</u>	<u>MKC-82 (0-2)</u>	<u>8/20/13</u>	<u>0815</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>3</u>		<u>MS/MSD</u>		
<u>30</u>	<u>MKC-82 (2-4)</u>		<u>0820</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>31</u>	<u>MKC-83 (0-2)</u>		<u>0835</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>32</u>	<u>MKC-83 (2-4)</u>		<u>0840</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>33</u>	<u>MKC-84 (0-2)</u>		<u>0905</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>34</u>	<u>MKC-84 (2-4)</u>		<u>0910</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>35</u>	<u>MKC-85 (0-2)</u>		<u>0920</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>36</u>	<u>MKC-85 (2-4)</u>		<u>0925</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>37</u>	<u>MKC-86 (0-2)</u>		<u>0940</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>38</u>	<u>MKC-86 (2-4)</u>		<u>0945</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>39</u>	<u>MKC-87 (0-2)</u>		<u>0955</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>40</u>	<u>MKC-87 (2-4)</u>		<u>1000</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>3</u>		<u>MS/MSD</u>		
<u>41</u>	<u>MKC-88 (0-2)</u>		<u>1015</u>		<input checked="" type="checkbox"/>	<u>So</u>											<u>1</u>				
<u>42</u>	<u>MKC-88 (2-4)</u>		<u>1020</u>		<input checked="" type="checkbox"/>	<u>So</u>	<u>1</u>														

**Keys**

**Preservation Key:**  
 A. H<sub>2</sub>SO<sub>4</sub>  
 B. HCL  
 C. HNO<sub>3</sub>  
 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  
 W - Water  
 T - Tissue

SE - Sediment  
 SL - Sludge  
 A - Air

NL - NAPL/Oil  
 SW - Sample Wipe  
 Other: \_\_\_\_\_

Special Instructions/Comments: \_\_\_\_\_  Special QA/QC Instructions(✓): \_\_\_\_\_

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: <u>Test America</u>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <u>Nicole Duchet</u>	Signature: <u>[Signature]</u>	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: <u>Sherri Scott</u>	Signature: <u>[Signature]</u>
<input checked="" type="checkbox"/> Cooler packed with Ice (✓)	Sample Receipt:	Firm: <u>ARCADIS</u>	Date/Time: <u>8/20/13 1845</u>	Firm/Courier:	Date/Time:	Firm/Courier:	Date/Time:	Firm: <u>TA-CHI</u>	Date/Time: <u>8/21/13 1010</u>
Specify Turnaround Requirements: <u>5 day</u>	Condition/Cooler Temp: <u>150.4</u>								
Shipping Tracking #: <u>8033 55429348</u>									

ID#: \_\_\_\_\_

**CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM**

Lab Work Order # 500-61563

Send Results to: Contact & Company Name: Chris Kurbicki AUS Telephone: 414-276-7742  
 Address: 126 N Jefferson St #400 Fax: 414-276-7603  
 City: Milwaukee State: WI Zip: 53202 E-mail Address: chris.kurbicki@arcadis-us.com

Preservative: E  
 Filtered (✓):  
 # of Containers: 1  
 Container Information: 7

**Keys**

**Preservation Key:**  
 A. H<sub>2</sub>SO<sub>4</sub>  
 B. HCL  
 C. HNO<sub>3</sub>  
 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: \_\_\_\_\_

**PARAMETER ANALYSIS & METHOD**

Project Name/Location (City, State): MKC (Martinsville, WI) Project #: W1001368-0003-0001  
 Sampler's Printed Name: Nicole Dudek Sampler's Signature: [Signature]

Sample ID	Collection		Type (✓)		Matrix	PLBS	MILWAUKEE												
	Date	Time	Comp	Grab															
43 MKC-89 (0-2)	8/20/13	1030		✓	SO	1													
44 MKC-89 (2-4)		1035		✓	SO	1													
45 MKC-90 (0-2)		1110		✓	SO	1													
46 MKC-90 (2-4)		1115		✓	SO	1													
47 MKC-91 (0-2)		1125		✓	SO	1													
48 MKC-91 <sup>mp</sup> (2-4)		1130		✓	SO	1													
49 MKC-92 (0-2)		1145		✓	SO	1													
50 MKC-92 (2-4)		1150		✓	SO	1													
51 MKC-93 (0-2)		1205		✓	SO	1													
52 MKC-93 (2-4)		1210		✓	SO	1													
53 MKC-94 (0-2)		1330		✓	SO	3													MS/MSD
54 MKC-94 (2-4)		1335		✓	SO	1													
55 MKC-95 (0-2)		1340		✓	SO	1													
56 MKC-95 (2-4)		1345		✓	SO	1													

**REMARKS**

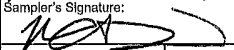
Special Instructions/Comments: \_\_\_\_\_  Special QA/QC Instructions (✓): \_\_\_\_\_

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: <u>Test America</u>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <u>Nicole Dudek</u>	Signature: <u>[Signature]</u>	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: <u>Sherri Scott</u>	Signature: <u>[Signature]</u>
Specify Turnaround Requirements: <u>5 day</u>	Sample Receipt: <u>150.6</u>	Firm: <u>ARCADIS</u>	Date/Time: <u>8/20/13 1245</u>	Firm/Courier:	Date/Time:	Firm/Courier:	Date/Time:	Firm: <u>TA-CHI</u>	Date/Time: <u>8/21/13 1010</u>
Shipping Tracking #: <u>803355429348</u>	Condition/Cooler Temp: <u>150.6</u>								

ID#:



## CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order # 500-61563

Send Results to:	Contact & Company Name: <u>Chris Kurbicki AUS</u>	Telephone: <u>414.276.7742</u>	Preservative <b>E</b>							<p><b>Keys</b></p> <p><b>Preservation Key:</b>          A. H<sub>2</sub>SO<sub>4</sub>          B. HCL          C. HNO<sub>3</sub>          D. NaOH          E. None          F. Other: _____          G. Other: _____          H. Other: _____</p> <p><b>Container Information Key:</b>          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: _____</p> <p><b>Matrix Key:</b>          SO - Soil          W - Water          T - Tissue</p> <p>SE - Sediment          SL - Sludge          A - Air</p> <p>NL - NAPL/Oil          SW - Sample Wipe          Other: _____</p>		
	Address: <u>126 N Jefferson St #400</u>	Fax: <u>414.276.7603</u>	# of Containers <b>1</b>	Container Information <b>7</b>								
	City State Zip <u>Milwaukee WI 53202</u>	E-mail Address: <u>chris.kurbicki@arcadisusa.com</u>	<b>PARAMETER ANALYSIS &amp; METHOD</b>									
Project Name/Location (City, State): <u>MKC (Madison, WI)</u>		Project #: <u>W1001368.0003.0001</u>		<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> <u>PLBS Method 8102</u> </div>						<b>REMARKS</b>		
Sampler's Printed Name: <u>Nicole Ducki</u>		Sampler's Signature: 										
Sample ID	Collection		Type (✓)		Matrix							
	Date	Time	Comp	Grab								
<u>57 MKC-96 (0-2)</u>	<u>8/20/13</u>	<u>1355</u>		✓	So	1						
<u>58 MKC-96 (2-4)</u>		<u>1400</u>		✓	So	1						
<u>59 MKC-97 (0-2)</u>		<u>1410</u>		✓	So	1						
<u>60 MKC-97 (2-4)</u>		<u>1415</u>		✓	So	1						
<u>61 MKC-98 (0-2)</u>		<u>1425</u>		✓	So	1						
<u>62 MKC-98 (2-4)</u>		<u>1430</u>		✓	So	1						
<u>63 MKC-99 (0-2)</u>		<u>1435</u>		✓	So	1						
<u>64 MKC-99 (2-4)</u>		<u>1440</u>		✓	So	1						
<u>65 DUP</u>		<u>-</u>		✓	So	1						
<u>66 DUP 2</u>		<u>-</u>		✓	So	1						
<u>67 DUP 3</u>		<u>-</u>		✓	So	1						
<u>68 DUP 4</u>		<u>-</u>		✓	So	1						

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Special Instructions/Comments: \_\_\_\_\_  Special QA/QC Instructions(✓): \_\_\_\_\_

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: <u>Jest America</u>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <u>Nicole Ducki</u>	Printed Name:	Printed Name:	Printed Name: <u>Sherri Scott</u>
<input checked="" type="checkbox"/> Cooler packed with ice (✓)		Signature: 	Signature:	Signature:	Signature: 
Specify Turnaround Requirements: <u>5 day</u>	Sample Receipt:	Firm: <u>ARCADIS</u>	Firm/Courier:	Firm/Courier: <u>TA-CHI</u>	Firm: <u>TA-CHI</u>
Shipping Tracking #: <u>80355429348</u>	Condition/Cooler Temp: <u>15.0/6</u>	Date/Time: <u>8/20/13 1245</u>	Date/Time:	Date/Time:	Date/Time: <u>8/21/13 1010</u>

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## Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-61563-1

**Login Number: 61563**

**List Source: TestAmerica Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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	1.5,0.6
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.	False	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	