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: 500-58163-1
Client Project/Site: MadisonKipp WI001283.0008.00006

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

Attn: Rebecca Robbennolt

Sandie Fredrick

Authorized for release by:
6/20/2013 12:54:31 PM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

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Job ID: 500-58163-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
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Comments
No additional comments.

Receipt
The samples were received on 6/19/2013 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.4° C.

GC Semi VOA
No 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 WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-1-Wall — Lab Sample ID: 500-58163-1

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: 233-2-Base — Lab Sample ID: 500-58163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	23		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 500-58163-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	43		20	8.0	ug/Kg	1	☼	8082	Total/NA
PCB-1254	21		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-3-Base — Lab Sample ID: 500-58163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	97		20	7.9	ug/Kg	1	☼	8082	Total/NA
PCB-1254	60		20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-4-Base — Lab Sample ID: 500-58163-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	110		20	8.0	ug/Kg	1	☼	8082	Total/NA
PCB-1254	89		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-5-Base — Lab Sample ID: 500-58163-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	73		21	8.3	ug/Kg	1	☼	8082	Total/NA
PCB-1254	58		21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-6-Base — Lab Sample ID: 500-58163-7

No Detections.

Client Sample ID: 233-7-Wall — Lab Sample ID: 500-58163-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	41		21	8.2	ug/Kg	1	☼	8082	Total/NA
PCB-1254	34		21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-8-Wall — Lab Sample ID: 500-58163-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	50		20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-9-Wall — Lab Sample ID: 500-58163-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	250		22	8.5	ug/Kg	1	☼	8082	Total/NA
PCB-1254	250		22	4.7	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 WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-10-Wall — Lab Sample ID: 500-58163-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	260		21	8.1	ug/Kg	1	☼	8082	Total/NA
PCB-1254	300		21	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-11-Wall — Lab Sample ID: 500-58163-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	140		20	8.0	ug/Kg	1	☼	8082	Total/NA
PCB-1254	130		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 233-12-Wall — Lab Sample ID: 500-58163-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	18	J	20	7.7	ug/Kg	1	☼	8082	Total/NA
PCB-1254	26		20	4.2	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

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.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58163-1	233-1-Wall	Solid	06/18/13 14:43	06/19/13 09:50
500-58163-2	233-2-Base	Solid	06/18/13 14:45	06/19/13 09:50
500-58163-3	DUP-01	Solid	06/18/13 00:00	06/19/13 09:50
500-58163-4	233-3-Base	Solid	06/18/13 14:50	06/19/13 09:50
500-58163-5	233-4-Base	Solid	06/18/13 14:52	06/19/13 09:50
500-58163-6	233-5-Base	Solid	06/18/13 15:43	06/19/13 09:50
500-58163-7	233-6-Base	Solid	06/18/13 13:24	06/19/13 09:50
500-58163-8	233-7-Wall	Solid	06/18/13 13:20	06/19/13 09:50
500-58163-9	233-8-Wall	Solid	06/18/13 14:57	06/19/13 09:50
500-58163-10	233-9-Wall	Solid	06/18/13 14:59	06/19/13 09:50
500-58163-11	233-10-Wall	Solid	06/18/13 15:02	06/19/13 09:50
500-58163-12	233-11-Wall	Solid	06/18/13 13:27	06/19/13 09:50
500-58163-13	233-12-Wall	Solid	06/18/13 13:29	06/19/13 09:50

Client Sample ID: 233-1-Wall

Lab Sample ID: 500-58163-1

Date Collected: 06/18/13 14:43
Matrix: Solid
Date Received: 06/19/13 09:50
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	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1232	<9.0		21	9.0	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1254	**18**	**J**	21	4.5	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1
PCB-1260	<10		21	10	ug/Kg	☼	06/19/13 17:07	06/20/13 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*50 - 116*	*06/19/13 17:07*	*06/20/13 00:03*	*1*
DCB Decachlorobiphenyl	*95*		*48 - 142*	*06/19/13 17:07*	*06/20/13 00:03*	*1*

Client Sample ID: 233-2-Base

Lab Sample ID: 500-58163-2

Date Collected: 06/18/13 14:45
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.6

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	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1221	<9.0		20	9.0	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1232	<8.9		20	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1254	**23**		20	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1
PCB-1260	<10		20	10	ug/Kg	☼	06/19/13 17:07	06/20/13 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*50 - 116*	*06/19/13 17:07*	*06/20/13 00:44*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*06/19/13 17:07*	*06/20/13 00:44*	*1*

Client Sample ID: DUP-01

Lab Sample ID: 500-58163-3

Date Collected: 06/18/13 00:00
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.0

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	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1248	**43**		20	8.0	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1254	**21**		20	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1
PCB-1260	<10		20	10	ug/Kg	☼	06/19/13 17:07	06/20/13 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*50 - 116*	*06/19/13 17:07*	*06/20/13 00:58*	*1*
DCB Decachlorobiphenyl	*88*		*48 - 142*	*06/19/13 17:07*	*06/20/13 00:58*	*1*

Client Sample ID: 233-3-Base

Lab Sample ID: 500-58163-4

Date Collected: 06/18/13 14:50
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.9

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	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1248	**97**		20	7.9	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1254	**60**		20	4.3	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	06/19/13 17:07	06/20/13 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*50 - 116*	*06/19/13 17:07*	*06/20/13 01:12*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*06/19/13 17:07*	*06/20/13 01:12*	*1*

Client Sample ID: 233-4-Base

Lab Sample ID: 500-58163-5

Date Collected: 06/18/13 14:52
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.7

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	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1248	**110**		20	8.0	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1254	**89**		20	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	06/19/13 17:07	06/20/13 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*50 - 116*	*06/19/13 17:07*	*06/20/13 01:26*	*1*
DCB Decachlorobiphenyl	*94*		*48 - 142*	*06/19/13 17:07*	*06/20/13 01:26*	*1*

Client Sample ID: 233-5-Base

Lab Sample ID: 500-58163-6

Date Collected: 06/18/13 15:43
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.4		21	7.4	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1248	**73**		21	8.3	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1254	**58**		21	4.5	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1
PCB-1260	<10		21	10	ug/Kg	☼	06/19/13 17:07	06/20/13 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*50 - 116*	*06/19/13 17:07*	*06/20/13 01:53*	*1*
DCB Decachlorobiphenyl	*105*		*48 - 142*	*06/19/13 17:07*	*06/20/13 01:53*	*1*

Client Sample ID: 233-6-Base

Lab Sample ID: 500-58163-7

Date Collected: 06/18/13 13:24
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 81.4

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	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1254	<4.4		20	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*50 - 116*	*06/19/13 17:07*	*06/20/13 02:07*	*1*
DCB Decachlorobiphenyl	*91*		*48 - 142*	*06/19/13 17:07*	*06/20/13 02:07*	*1*

Client Sample ID: 233-7-Wall

Lab Sample ID: 500-58163-8

Date Collected: 06/18/13 13:20
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.4		21	7.4	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1248	**41**		21	8.2	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1254	**34**		21	4.5	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1
PCB-1260	<10		21	10	ug/Kg	☼	06/19/13 17:07	06/20/13 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*50 - 116*	*06/19/13 17:07*	*06/20/13 02:20*	*1*
DCB Decachlorobiphenyl	*98*		*48 - 142*	*06/19/13 17:07*	*06/20/13 02:20*	*1*

Client Sample ID: 233-8-Wall

Lab Sample ID: 500-58163-9

Date Collected: 06/18/13 14:57
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.9

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	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1254	**50**		20	4.3	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	06/19/13 17:07	06/20/13 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*50 - 116*	*06/19/13 17:07*	*06/20/13 02:34*	*1*
DCB Decachlorobiphenyl	*106*		*48 - 142*	*06/19/13 17:07*	*06/20/13 02:34*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-9-Wall

Lab Sample ID: 500-58163-10

Date Collected: 06/18/13 14:59
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 76.3

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	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1221	<9.5		22	9.5	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1232	<9.4		22	9.4	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1242	<7.1		22	7.1	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1248	**250**		22	8.5	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1254	**250**		22	4.7	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1
PCB-1260	<11		22	11	ug/Kg	☼	06/19/13 17:07	06/20/13 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*50 - 116*	*06/19/13 17:07*	*06/20/13 02:48*	*1*
DCB Decachlorobiphenyl	*106*		*48 - 142*	*06/19/13 17:07*	*06/20/13 02:48*	*1*

Client Sample ID: 233-10-Wall

Lab Sample ID: 500-58163-11

Date Collected: 06/18/13 15:02
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.8

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	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1221	<9.0		21	9.0	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1232	<8.9		21	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1242	<6.7		21	6.7	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1248	**260**		21	8.1	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1254	**300**		21	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1
PCB-1260	<10		21	10	ug/Kg	☼	06/19/13 17:07	06/20/13 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*50 - 116*	*06/19/13 17:07*	*06/20/13 03:02*	*1*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*06/19/13 17:07*	*06/20/13 03:02*	*1*

Client Sample ID: 233-11-Wall

Lab Sample ID: 500-58163-12

Date Collected: 06/18/13 13:27
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 78.6

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	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1248	**140**		20	8.0	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1254	**130**		20	4.4	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1
PCB-1260	<10		20	10	ug/Kg	☼	06/19/13 17:07	06/20/13 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*50 - 116*	*06/19/13 17:07*	*06/20/13 03:15*	*1*
DCB Decachlorobiphenyl	*110*		*48 - 142*	*06/19/13 17:07*	*06/20/13 03:15*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-12-Wall
Date Collected: 06/18/13 13:29
Date Received: 06/19/13 09:50

Lab Sample ID: 500-58163-13
Matrix: Solid
Percent Solids: 80.7

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	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1248	**18**	**J**	20	7.7	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1254	**26**		20	4.2	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	06/19/13 17:07	06/20/13 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*50 - 116*	*06/19/13 17:07*	*06/20/13 03:29*	*1*
DCB Decachlorobiphenyl	*110*		*48 - 142*	*06/19/13 17:07*	*06/20/13 03:29*	*1*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

GC Semi VOA

Analysis Batch: 190263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58163-1	233-1-Wall	Total/NA	Solid	8082	190381
500-58163-1 MS	233-1-Wall	Total/NA	Solid	8082	190381
500-58163-1 MSD	233-1-Wall	Total/NA	Solid	8082	190381
500-58163-2	233-2-Base	Total/NA	Solid	8082	190381
500-58163-3	DUP-01	Total/NA	Solid	8082	190381
500-58163-4	233-3-Base	Total/NA	Solid	8082	190381
500-58163-5	233-4-Base	Total/NA	Solid	8082	190381
500-58163-6	233-5-Base	Total/NA	Solid	8082	190381
500-58163-7	233-6-Base	Total/NA	Solid	8082	190381
500-58163-8	233-7-Wall	Total/NA	Solid	8082	190381
500-58163-9	233-8-Wall	Total/NA	Solid	8082	190381
500-58163-10	233-9-Wall	Total/NA	Solid	8082	190381
500-58163-11	233-10-Wall	Total/NA	Solid	8082	190381
500-58163-12	233-11-Wall	Total/NA	Solid	8082	190381
500-58163-13	233-12-Wall	Total/NA	Solid	8082	190381
LCS 500-190381/2-A	Lab Control Sample	Total/NA	Solid	8082	190381
MB 500-190381/1-A	Method Blank	Total/NA	Solid	8082	190381

Prep Batch: 190381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58163-1	233-1-Wall	Total/NA	Solid	3541	
500-58163-1 MS	233-1-Wall	Total/NA	Solid	3541	
500-58163-1 MSD	233-1-Wall	Total/NA	Solid	3541	
500-58163-2	233-2-Base	Total/NA	Solid	3541	
500-58163-3	DUP-01	Total/NA	Solid	3541	
500-58163-4	233-3-Base	Total/NA	Solid	3541	
500-58163-5	233-4-Base	Total/NA	Solid	3541	
500-58163-6	233-5-Base	Total/NA	Solid	3541	
500-58163-7	233-6-Base	Total/NA	Solid	3541	
500-58163-8	233-7-Wall	Total/NA	Solid	3541	
500-58163-9	233-8-Wall	Total/NA	Solid	3541	
500-58163-10	233-9-Wall	Total/NA	Solid	3541	
500-58163-11	233-10-Wall	Total/NA	Solid	3541	
500-58163-12	233-11-Wall	Total/NA	Solid	3541	
500-58163-13	233-12-Wall	Total/NA	Solid	3541	
LCS 500-190381/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-190381/1-A	Method Blank	Total/NA	Solid	3541	

General Chemistry

Analysis Batch: 190347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58163-1	233-1-Wall	Total/NA	Solid	Moisture	
500-58163-1 DU	233-1-Wall	Total/NA	Solid	Moisture	
500-58163-1 MS	233-1-Wall	Total/NA	Solid	Moisture	
500-58163-1 MSD	233-1-Wall	Total/NA	Solid	Moisture	
500-58163-2	233-2-Base	Total/NA	Solid	Moisture	
500-58163-3	DUP-01	Total/NA	Solid	Moisture	
500-58163-4	233-3-Base	Total/NA	Solid	Moisture	
500-58163-5	233-4-Base	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 190347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58163-6	233-5-Base	Total/NA	Solid	Moisture	
500-58163-7	233-6-Base	Total/NA	Solid	Moisture	
500-58163-8	233-7-Wall	Total/NA	Solid	Moisture	
500-58163-9	233-8-Wall	Total/NA	Solid	Moisture	
500-58163-10	233-9-Wall	Total/NA	Solid	Moisture	
500-58163-11	233-10-Wall	Total/NA	Solid	Moisture	
500-58163-12	233-11-Wall	Total/NA	Solid	Moisture	
500-58163-13	233-12-Wall	Total/NA	Solid	Moisture	

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		TCX1	DCB1										
Lab Sample ID	Client Sample ID	(50-116)	(48-142)										
500-58163-1	233-1-Wall	76	95										
500-58163-1 MS	233-1-Wall	61	96										
500-58163-1 MSD	233-1-Wall	55	90										
500-58163-2	233-2-Base	67	99										
500-58163-3	DUP-01	68	88										
500-58163-4	233-3-Base	70	99										
500-58163-5	233-4-Base	69	94										
500-58163-6	233-5-Base	73	105										
500-58163-7	233-6-Base	59	91										
500-58163-8	233-7-Wall	68	98										
500-58163-9	233-8-Wall	75	106										
500-58163-10	233-9-Wall	69	106										
500-58163-11	233-10-Wall	67	104										
500-58163-12	233-11-Wall	78	110										
500-58163-13	233-12-Wall	73	110										
LCS 500-190381/2-A	Lab Control Sample	72	84										
MB 500-190381/1-A	Method Blank	74	86										

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 500-190381/1-A
Matrix: Solid
Analysis Batch: 190263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1221	<7.3		17	7.3	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1232	<7.3		17	7.3	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1242	<5.5		17	5.5	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1248	<6.6		17	6.6	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1254	<3.6		17	3.6	ug/Kg		06/19/13 17:07	06/19/13 23:22	1
PCB-1260	<8.2		17	8.2	ug/Kg		06/19/13 17:07	06/19/13 23:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*50 - 116*	*06/19/13 17:07*	*06/19/13 23:22*	*1*
DCB Decachlorobiphenyl	*86*		*48 - 142*	*06/19/13 17:07*	*06/19/13 23:22*	*1*

Lab Sample ID: LCS 500-190381/2-A
Matrix: Solid
Analysis Batch: 190263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	138		ug/Kg		83	59 - 110		
PCB-1260			167	141		ug/Kg		84	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*50 - 116*
DCB Decachlorobiphenyl	*84*		*48 - 142*

Lab Sample ID: 500-58163-1 MS
Matrix: Solid
Analysis Batch: 190263

Client Sample ID: 233-1-Wall
Prep Type: Total/NA
Prep Batch: 190381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<7.3		205	187		ug/Kg	☼	91	59 - 110		
PCB-1260	<10		205	203		ug/Kg	☼	99	69 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*61*		*50 - 116*
DCB Decachlorobiphenyl	*96*		*48 - 142*

Lab Sample ID: 500-58163-1 MSD
Matrix: Solid
Analysis Batch: 190263

Client Sample ID: 233-1-Wall
Prep Type: Total/NA
Prep Batch: 190381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<7.3		208	175		ug/Kg	☼	84	59 - 110	7	30
PCB-1260	<10		208	191		ug/Kg	☼	92	69 - 120	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*55*		*50 - 116*
DCB Decachlorobiphenyl	*90*		*48 - 142*

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-1-Wall

Lab Sample ID: 500-58163-1
Date Collected: 06/18/13 14:43
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 00:03	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-2-Base

Lab Sample ID: 500-58163-2
Date Collected: 06/18/13 14:45
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 00:44	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: DUP-01

Lab Sample ID: 500-58163-3
Date Collected: 06/18/13 00:00
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 00:58	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-3-Base

Lab Sample ID: 500-58163-4
Date Collected: 06/18/13 14:50
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 01:12	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-4-Base

Lab Sample ID: 500-58163-5
Date Collected: 06/18/13 14:52
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 01:26	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-5-Base

Lab Sample ID: 500-58163-6

Date Collected: 06/18/13 15:43
Date Received: 06/19/13 09:50

Matrix: Solid
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 01:53	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-6-Base

Lab Sample ID: 500-58163-7

Date Collected: 06/18/13 13:24
Date Received: 06/19/13 09:50

Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 02:07	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-7-Wall

Lab Sample ID: 500-58163-8

Date Collected: 06/18/13 13:20
Date Received: 06/19/13 09:50

Matrix: Solid
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 02:20	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-8-Wall

Lab Sample ID: 500-58163-9

Date Collected: 06/18/13 14:57
Date Received: 06/19/13 09:50

Matrix: Solid
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 02:34	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-9-Wall

Lab Sample ID: 500-58163-10

Date Collected: 06/18/13 14:59
Date Received: 06/19/13 09:50

Matrix: Solid
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 02:48	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

Client Sample ID: 233-10-Wall

Lab Sample ID: 500-58163-11

Date Collected: 06/18/13 15:02
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 03:02	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-11-Wall

Lab Sample ID: 500-58163-12

Date Collected: 06/18/13 13:27
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 03:15	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	CMV	TAL CHI

Client Sample ID: 233-12-Wall

Lab Sample ID: 500-58163-13

Date Collected: 06/18/13 13:29
Matrix: Solid
Date Received: 06/19/13 09:50
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			190381	06/19/13 17:07	DEA	TAL CHI
Total/NA	Analysis	8082		1	190263	06/20/13 03:29	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	190347	06/19/13 12:51	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 WI001283.0008.00006

TestAmerica Job ID: 500-58163-1

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	06-30-13 *
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	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
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	06-30-13 *
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	07-15-13

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

ARCADIS
Infrastructure · Water · Environment · Buildings

500-58163 COC

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 500-58163

Send Results to:

Contact & Company Name: Rebecca Robbennolt ARCADIS
Telephone: 414-276-7742
Address: 126 N Jefferson St. #400
Fax:
City: Milwaukee State: WI Zip: 53202
E-mail Address: rebecca.robbennolt@arcadis-us.com
Project Name/Location (City, State): Madison Kipp | Madison, WI
Project #: WI001283.0008.00006.
Sampler's Printed Name: V Yates
Sampler's Signature: VYates

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PARAMETER ANALYSIS & METHOD: PCB	REMARKS
1 233-1-WALL	6/18/13	1443		X	SO	1	
1 233-1-WALL MS/MSD	↓	1443		X	SO	1	
2 233-2-BASE	↓	1445		X	SO	1	
3 DUP-01	—	—		X	SO	1	
4 233-3-BASE	6/18/13	1450		X	SO	1	
5 233-4-BASE	↓	1452		X	SO	1	
6 233-5-BASE	↓	1543		X	SO	1	
7 233-6-BASE	↓	1324		X	SO	1	
8 233-7-WALL	↓	1320		X	SO	1	
9 233-8-WALL	↓	1457		X	SO	1	
10 233-9-WALL	↓	1459		X	SO	1	
11 233-10-WALL	↓	1502		X	SO	1	
12 233-11-WALL	↓	1327		X	SO	1	
13 233-12-WALL	↓	1329		X	SO	1	

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

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
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:
PLS contact Rebecca Robbennolt w questions 414-276-7742 1 DAY TAT pls.

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Vivian Yates	Printed Name:	Printed Name:	Printed Name: Sherri Scott
☒ Cooler packed with ice (✓)		Signature: VYates	Signature:	Signature:	Signature: Sherri Scott
Specify Turnaround Requirements: 1 & 2 Day	Sample Receipt: Condition/Cooler Temp: 2.4	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: TA-CHI
Shipping Tracking #:		Date/Time: 6/18/13 1730	Date/Time:	Date/Time:	Date/Time: 6/19/13 0950

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-58163-1

Login Number: 58163

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	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	