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: 500-57287-1
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:
5/28/2013 9:24:18 AM

Sandie Fredrick, Project Manager I
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Project/Site: MadisonKipp WI001283.0008.00006

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Job ID: 500-57287-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-57287-1

Comments
No additional comments.

Receipt
The samples were received on 5/22/2013 11:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

Except:

Sample 12 has ID of 241-17-Wall and sample 15 has ID of MKC-17-Wall, times match COC, logged per COC.

GC Semi VOA
Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to the continuing calibration verification (CCV) standard associated with batches 187215, 187216 and 187248. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. 241-10-Base (500-57287-14), 241-11-Base (500-57287-18), 241-12-Base (500-57287-22), 241-13-Base (500-57287-26), 241-14-Base (500-57287-30), 241-15-Wall (500-57287-7), 241-16-Wall (500-57287-11), 241-17-Wall (500-57287-15), 241-18-Wall (500-57287-19), 241-19-Wall (500-57287-23), 241-1-Base (500-57287-5), 241-20-Wall (500-57287-27), 241-21-Wall (500-57287-31), 241-22-Wall (500-57287-1), 241-22-Wall (500-57287-1 MS), 241-22-Wall (500-57287-1 MSD), 241-23-Wall (500-57287-2), 241-2-Base (500-57287-9), 241-3-Base (500-57287-13), 241-4-Base (500-57287-17), 241-5-Base (500-57287-21), 241-6-Base (500-57287-25), 241-7-Base (500-57287-29), 241-8-Base (500-57287-6), 241-9-Base (500-57287-10), DUP-01 (500-57287-3), Equipment Blank #1 (500-57287-32), Equipment Blank #2 (500-57287-33), Equipment Blank #3 (500-57287-34)

Method(s) 8082: The following sample was diluted due to the abundance of non-target analytes: 241-8-Base (500-57287-6). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following sample was diluted to bring the concentration of target analytes within the calibration range: 241-15-Wall (500-57287-7). Elevated reporting limits (RLs) are provided.

Method(s) 8082: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: 241-15-Wall (500-57287-7).

Method(s) 8082: TCX recovery for the matrix spike was outside control limits: 241-4-Base (500-57287-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 WI001283.0008.00006

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-22-Wall — Lab Sample ID: 500-57287-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	98		20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-23-Wall — Lab Sample ID: 500-57287-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	55		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 500-57287-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	44		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-1-Base — Lab Sample ID: 500-57287-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	11	J	20	4.2	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-8-Base — Lab Sample ID: 500-57287-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	100	J	200	78	ug/Kg	10	☼	8082	Total/NA
PCB-1254	84	J	200	43	ug/Kg	10	☼	8082	Total/NA

Client Sample ID: 241-15-Wall — Lab Sample ID: 500-57287-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	810		480	100	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: 241-2-Base — Lab Sample ID: 500-57287-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	45		21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-9-Base — Lab Sample ID: 500-57287-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	46		20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-16-Wall — Lab Sample ID: 500-57287-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	190		21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-3-Base — Lab Sample ID: 500-57287-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	47		20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-10-Base — Lab Sample ID: 500-57287-14

This Detection Summary does not include radiochemical test results.

Client Sample ID: 241-10-Base (Continued) — Lab Sample ID: 500-57287-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	14	J	21	4.6	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-17-Wall — Lab Sample ID: 500-57287-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	220		200	42	ug/Kg	10	☼	8082	Total/NA

Client Sample ID: 241-4-Base — Lab Sample ID: 500-57287-17

No Detections.

Client Sample ID: 241-11-Base — Lab Sample ID: 500-57287-18

No Detections.

Client Sample ID: 241-18-Wall — Lab Sample ID: 500-57287-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	56		22	8.7	ug/Kg	1	☼	8082	Total/NA
PCB-1254	82		22	4.8	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-5-Base — Lab Sample ID: 500-57287-21

No Detections.

Client Sample ID: 241-12-Base — Lab Sample ID: 500-57287-22

No Detections.

Client Sample ID: 241-19-Wall — Lab Sample ID: 500-57287-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	19	J	20	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-6-Base — Lab Sample ID: 500-57287-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	8.2	J	20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-13-Base — Lab Sample ID: 500-57287-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	17	J	21	8.1	ug/Kg	1	☼	8082	Total/NA
PCB-1254	7.8	J	21	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-20-Wall — Lab Sample ID: 500-57287-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	30		20	8.0	ug/Kg	1	☼	8082	Total/NA
PCB-1254	15	J	20	4.4	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-7-Base — Lab Sample ID: 500-57287-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	7.7	J	20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: 241-14-Base — Lab Sample ID: 500-57287-30

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: 241-21-Wall — Lab Sample ID: 500-57287-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	19	J	20	4.3	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: Equipment Blank #1 — Lab Sample ID: 500-57287-32

No Detections.

Client Sample ID: Equipment Blank #2 — Lab Sample ID: 500-57287-33

No Detections.

Client Sample ID: Equipment Blank #3 — Lab Sample ID: 500-57287-34

No Detections.

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: 500-57287-1

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: 500-57287-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-57287-1	241-22-Wall	Solid	05/21/13 14:15	05/22/13 11:40
500-57287-2	241-23-Wall	Solid	05/21/13 14:16	05/22/13 11:40
500-57287-3	DUP-01	Solid	05/21/13 00:00	05/22/13 11:40
500-57287-5	241-1-Base	Solid	05/21/13 14:29	05/22/13 11:40
500-57287-6	241-8-Base	Solid	05/21/13 14:30	05/22/13 11:40
500-57287-7	241-15-Wall	Solid	05/21/13 14:31	05/22/13 11:40
500-57287-9	241-2-Base	Solid	05/21/13 14:41	05/22/13 11:40
500-57287-10	241-9-Base	Solid	05/21/13 14:42	05/22/13 11:40
500-57287-11	241-16-Wall	Solid	05/21/13 14:43	05/22/13 11:40
500-57287-13	241-3-Base	Solid	05/21/13 14:46	05/22/13 11:40
500-57287-14	241-10-Base	Solid	05/21/13 14:47	05/22/13 11:40
500-57287-15	241-17-Wall	Solid	05/21/13 14:48	05/22/13 11:40
500-57287-17	241-4-Base	Solid	05/21/13 15:06	05/22/13 11:40
500-57287-18	241-11-Base	Solid	05/21/13 15:07	05/22/13 11:40
500-57287-19	241-18-Wall	Solid	05/21/13 15:08	05/22/13 11:40
500-57287-21	241-5-Base	Solid	05/21/13 15:16	05/22/13 11:40
500-57287-22	241-12-Base	Solid	05/21/13 15:17	05/22/13 11:40
500-57287-23	241-19-Wall	Solid	05/21/13 15:18	05/22/13 11:40
500-57287-25	241-6-Base	Solid	05/21/13 15:21	05/22/13 11:40
500-57287-26	241-13-Base	Solid	05/21/13 15:22	05/22/13 11:40
500-57287-27	241-20-Wall	Solid	05/21/13 15:23	05/22/13 11:40
500-57287-29	241-7-Base	Solid	05/21/13 15:27	05/22/13 11:40
500-57287-30	241-14-Base	Solid	05/21/13 15:28	05/22/13 11:40
500-57287-31	241-21-Wall	Solid	05/21/13 15:29	05/22/13 11:40
500-57287-32	Equipment Blank #1	Water	05/21/13 16:00	05/22/13 11:40
500-57287-33	Equipment Blank #2	Water	05/21/13 16:06	05/22/13 11:40
500-57287-34	Equipment Blank #3	Water	05/21/13 16:10	05/22/13 11:40

Client Sample ID: 241-22-Wall

Lab Sample ID: 500-57287-1

Date Collected: 05/21/13 14:15
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.4

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	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1254	**98**		20	4.3	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:16	05/23/13 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*50 - 116*	*05/23/13 07:16*	*05/23/13 16:41*	*1*
DCB Decachlorobiphenyl	*106*		*48 - 142*	*05/23/13 07:16*	*05/23/13 16:41*	*1*

Client Sample ID: 241-23-Wall

Lab Sample ID: 500-57287-2

Date Collected: 05/21/13 14:16
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.2		20	7.2	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1254	**55**		20	4.4	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1
PCB-1260	<10		20	10	ug/Kg	☼	05/23/13 07:16	05/23/13 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*50 - 116*	*05/23/13 07:16*	*05/23/13 17:22*	*1*
DCB Decachlorobiphenyl	*111*		*48 - 142*	*05/23/13 07:16*	*05/23/13 17:22*	*1*

Client Sample ID: DUP-01

Lab Sample ID: 500-57287-3

Date Collected: 05/21/13 00:00
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.6

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	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1221	<9.0		20	9.0	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1232	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1248	<8.1		20	8.1	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1254	**44**		20	4.4	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1
PCB-1260	<10		20	10	ug/Kg	☼	05/23/13 07:16	05/24/13 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*50 - 116*	*05/23/13 07:16*	*05/24/13 10:13*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*05/23/13 07:16*	*05/24/13 10:13*	*1*

Client Sample ID: 241-1-Base

Lab Sample ID: 500-57287-5

Date Collected: 05/21/13 14:29
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.0		20	7.0	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1254	**11**	**J**	20	4.2	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	05/23/13 07:16	05/24/13 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*50 - 116*	*05/23/13 07:16*	*05/24/13 10:41*	*1*
DCB Decachlorobiphenyl	*98*		*48 - 142*	*05/23/13 07:16*	*05/24/13 10:41*	*1*

Client Sample ID: 241-8-Base

Lab Sample ID: 500-57287-6

Date Collected: 05/21/13 14:30
Matrix: Solid
Date Received: 05/22/13 11:40
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	<70		200	70	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1221	<88		200	88	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1232	<87		200	87	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1242	<65		200	65	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1248	**100**	**J**	200	78	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1254	**84**	**J**	200	43	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10
PCB-1260	<98		200	98	ug/Kg	☼	05/23/13 07:16	05/23/13 18:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*50 - 116*	*05/23/13 07:16*	*05/23/13 18:19*	*10*
DCB Decachlorobiphenyl	*125*		*48 - 142*	*05/23/13 07:16*	*05/23/13 18:19*	*10*

Client Sample ID: 241-15-Wall

Lab Sample ID: 500-57287-7

Date Collected: 05/21/13 14:31
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 67.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<170		480	170	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1221	<210		480	210	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1232	<210		480	210	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1242	<160		480	160	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1248	<190		480	190	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1254	**810**		480	100	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20
PCB-1260	<230		480	230	ug/Kg	☼	05/23/13 07:16	05/23/13 18:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*05/23/13 07:16*	*05/23/13 18:32*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*05/23/13 07:16*	*05/23/13 18:32*	*20*

Client Sample ID: 241-2-Base

Lab Sample ID: 500-57287-9

Date Collected: 05/21/13 14:41
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.3		21	7.3	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1248	<8.2		21	8.2	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1254	**45**		21	4.5	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:16	05/23/13 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*50 - 116*	*05/23/13 07:16*	*05/23/13 19:00*	*1*
DCB Decachlorobiphenyl	*111*		*48 - 142*	*05/23/13 07:16*	*05/23/13 19:00*	*1*

Client Sample ID: 241-9-Base

Lab Sample ID: 500-57287-10

Date Collected: 05/21/13 14:42
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.0		20	7.0	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1254	**46**		20	4.3	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	05/23/13 07:16	05/23/13 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*50 - 116*	*05/23/13 07:16*	*05/23/13 19:14*	*1*
DCB Decachlorobiphenyl	*107*		*48 - 142*	*05/23/13 07:16*	*05/23/13 19:14*	*1*

Client Sample ID: 241-16-Wall

Lab Sample ID: 500-57287-11

Date Collected: 05/21/13 14:43
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 76.4

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	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1248	<8.3		21	8.3	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1254	**190**		21	4.5	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:16	05/23/13 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*50 - 116*	*05/23/13 07:16*	*05/23/13 19:42*	*1*
DCB Decachlorobiphenyl	*109*		*48 - 142*	*05/23/13 07:16*	*05/23/13 19:42*	*1*

Client Sample ID: 241-3-Base

Lab Sample ID: 500-57287-13

Date Collected: 05/21/13 14:46
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.1

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	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1254	**47**		20	4.4	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:16	05/23/13 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*50 - 116*	*05/23/13 07:16*	*05/23/13 20:11*	*1*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*05/23/13 07:16*	*05/23/13 20:11*	*1*

Client Sample ID: 241-10-Base

Lab Sample ID: 500-57287-14

Date Collected: 05/21/13 14:47
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.5		21	7.5	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1221	<9.4		21	9.4	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1232	<9.3		21	9.3	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1242	<7.0		21	7.0	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1248	<8.4		21	8.4	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1254	**14**	**J**	21	4.6	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:16	05/23/13 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*50 - 116*	*05/23/13 07:16*	*05/23/13 20:24*	*1*
DCB Decachlorobiphenyl	*100*		*48 - 142*	*05/23/13 07:16*	*05/23/13 20:24*	*1*

Client Sample ID: 241-17-Wall

Lab Sample ID: 500-57287-15

Date Collected: 05/21/13 14:48
Matrix: Solid
Date Received: 05/22/13 11:40
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	<69		200	69	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1221	<86		200	86	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1232	<86		200	86	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1242	<64		200	64	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1248	<77		200	77	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1254	**220**		200	42	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10
PCB-1260	<96		200	96	ug/Kg	☼	05/23/13 07:16	05/23/13 20:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*50 - 116*	*05/23/13 07:16*	*05/23/13 20:38*	*10*
DCB Decachlorobiphenyl	*118*		*48 - 142*	*05/23/13 07:16*	*05/23/13 20:38*	*10*

Client Sample ID: 241-4-Base

Lab Sample ID: 500-57287-17

Date Collected: 05/21/13 15:06
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.2		20	7.2	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1254	<4.4		20	4.4	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:22	05/24/13 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*50 - 116*	*05/23/13 07:22*	*05/24/13 14:38*	*1*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*05/23/13 07:22*	*05/24/13 14:38*	*1*

Client Sample ID: 241-11-Base

Lab Sample ID: 500-57287-18

Date Collected: 05/21/13 15:07
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 75.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.6		21	7.6	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1221	<9.4		21	9.4	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1232	<9.3		21	9.3	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1242	<7.0		21	7.0	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1248	<8.4		21	8.4	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1254	<4.6		21	4.6	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:22	05/24/13 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*50 - 116*	*05/23/13 07:22*	*05/24/13 20:14*	*1*
DCB Decachlorobiphenyl	*106*		*48 - 142*	*05/23/13 07:22*	*05/24/13 20:14*	*1*

Client Sample ID: 241-18-Wall

Lab Sample ID: 500-57287-19

Date Collected: 05/21/13 15:08
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.8		22	7.8	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1221	<9.7		22	9.7	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1232	<9.6		22	9.6	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1242	<7.2		22	7.2	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1248	**56**		22	8.7	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1254	**82**		22	4.8	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1
PCB-1260	<11		22	11	ug/Kg	☼	05/23/13 07:22	05/24/13 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*50 - 116*	*05/23/13 07:22*	*05/24/13 20:28*	*1*
DCB Decachlorobiphenyl	*100*		*48 - 142*	*05/23/13 07:22*	*05/24/13 20:28*	*1*

Client Sample ID: 241-5-Base

Lab Sample ID: 500-57287-21

Date Collected: 05/21/13 15:16
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 81.1

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	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1221	<8.6		20	8.6	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1232	<8.5		20	8.5	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1242	<6.4		20	6.4	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1248	<7.7		20	7.7	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1254	<4.2		20	4.2	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1
PCB-1260	<9.6		20	9.6	ug/Kg	☼	05/23/13 07:22	05/24/13 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*50 - 116*	*05/23/13 07:22*	*05/24/13 20:56*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*05/23/13 07:22*	*05/24/13 20:56*	*1*

Client Sample ID: 241-12-Base

Lab Sample ID: 500-57287-22

Date Collected: 05/21/13 15:17
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 78.0

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	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1221	<9.3		21	9.3	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1232	<9.2		21	9.2	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1248	<8.3		21	8.3	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1254	<4.5		21	4.5	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:22	05/24/13 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*50 - 116*	*05/23/13 07:22*	*05/24/13 21:10*	*1*
DCB Decachlorobiphenyl	*98*		*48 - 142*	*05/23/13 07:22*	*05/24/13 21:10*	*1*

Client Sample ID: 241-19-Wall

Lab Sample ID: 500-57287-23

Date Collected: 05/21/13 15:18
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 78.5

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	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1248	<8.0		20	8.0	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1254	**19**	**J**	20	4.4	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:22	05/24/13 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*50 - 116*	*05/23/13 07:22*	*05/24/13 16:44*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*05/23/13 07:22*	*05/24/13 16:44*	*1*

Client Sample ID: 241-6-Base

Lab Sample ID: 500-57287-25

Date Collected: 05/21/13 15:21
Matrix: Solid
Date Received: 05/22/13 11:40
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	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1254	**8.2**	**J**	20	4.3	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	05/23/13 07:22	05/24/13 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*50 - 116*	*05/23/13 07:22*	*05/24/13 17:12*	*1*
DCB Decachlorobiphenyl	*98*		*48 - 142*	*05/23/13 07:22*	*05/24/13 17:12*	*1*

Client Sample ID: 241-13-Base

Lab Sample ID: 500-57287-26

Date Collected: 05/21/13 15:22
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.2		21	7.2	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1221	<9.0		21	9.0	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1232	<8.9		21	8.9	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1242	<6.7		21	6.7	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1248	**17**	**J**	21	8.1	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1254	**7.8**	**J**	21	4.4	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1
PCB-1260	<10		21	10	ug/Kg	☼	05/23/13 07:22	05/24/13 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*50 - 116*	*05/23/13 07:22*	*05/24/13 17:26*	*1*
DCB Decachlorobiphenyl	*95*		*48 - 142*	*05/23/13 07:22*	*05/24/13 17:26*	*1*

Client Sample ID: 241-20-Wall

Lab Sample ID: 500-57287-27

Date Collected: 05/21/13 15:23
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 77.4

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	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1242	<6.7		20	6.7	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1248	**30**		20	8.0	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1254	**15**	**J**	20	4.4	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:22	05/24/13 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*50 - 116*	*05/23/13 07:22*	*05/24/13 17:40*	*1*
DCB Decachlorobiphenyl	*109*		*48 - 142*	*05/23/13 07:22*	*05/24/13 17:40*	*1*

Client Sample ID: 241-7-Base

Lab Sample ID: 500-57287-29

Date Collected: 05/21/13 15:27
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.6

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	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1221	<8.9		20	8.9	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1254	**7.7**	**J**	20	4.3	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	05/23/13 07:22	05/24/13 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*50 - 116*	*05/23/13 07:22*	*05/24/13 18:08*	*1*
DCB Decachlorobiphenyl	*103*		*48 - 142*	*05/23/13 07:22*	*05/24/13 18:08*	*1*

Client Sample ID: 241-14-Base

Lab Sample ID: 500-57287-30

Date Collected: 05/21/13 15:28
Matrix: Solid
Date Received: 05/22/13 11:40
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	<7.0		20	7.0	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1254	**9.9**	**J**	20	4.3	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	05/23/13 07:22	05/24/13 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*50 - 116*	*05/23/13 07:22*	*05/24/13 18:22*	*1*
DCB Decachlorobiphenyl	*102*		*48 - 142*	*05/23/13 07:22*	*05/24/13 18:22*	*1*

Client Sample ID: 241-21-Wall

Lab Sample ID: 500-57287-31

Date Collected: 05/21/13 15:29
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 81.2

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	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1254	**19**	**J**	20	4.3	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	05/23/13 07:22	05/24/13 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*50 - 116*	*05/23/13 07:22*	*05/24/13 18:36*	*1*
DCB Decachlorobiphenyl	*93*		*48 - 142*	*05/23/13 07:22*	*05/24/13 18:36*	*1*

Client Sample ID: Equipment Blank #1

Lab Sample ID: 500-57287-32

Date Collected: 05/21/13 16:00

Matrix: Water

Date Received: 05/22/13 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.066		0.40	0.066	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1221	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1232	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1242	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1248	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1254	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:58	1
PCB-1260	<0.069		0.40	0.069	ug/L		05/23/13 10:01	05/24/13 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*50 - 120*	*05/23/13 10:01*	*05/24/13 09:58*	*1*
DCB Decachlorobiphenyl	*73*		*29 - 126*	*05/23/13 10:01*	*05/24/13 09:58*	*1*

Client Sample ID: Equipment Blank #2

Lab Sample ID: 500-57287-33

Date Collected: 05/21/13 16:06

Matrix: Water

Date Received: 05/22/13 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.073		0.44	0.073	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1221	<0.22		0.44	0.22	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1232	<0.22		0.44	0.22	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1242	<0.22		0.44	0.22	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1248	<0.22		0.44	0.22	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1254	<0.22		0.44	0.22	ug/L		05/23/13 10:01	05/24/13 10:12	1
PCB-1260	<0.076		0.44	0.076	ug/L		05/23/13 10:01	05/24/13 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*50 - 120*	*05/23/13 10:01*	*05/24/13 10:12*	*1*
DCB Decachlorobiphenyl	*75*		*29 - 126*	*05/23/13 10:01*	*05/24/13 10:12*	*1*

Client Sample ID: Equipment Blank #3

Lab Sample ID: 500-57287-34

Date Collected: 05/21/13 16:10

Matrix: Water

Date Received: 05/22/13 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.066		0.40	0.066	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1221	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1232	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1242	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1248	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1254	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 10:27	1
PCB-1260	<0.069		0.40	0.069	ug/L		05/23/13 10:01	05/24/13 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*50 - 120*	*05/23/13 10:01*	*05/24/13 10:27*	*1*
DCB Decachlorobiphenyl	*72*		*29 - 126*	*05/23/13 10:01*	*05/24/13 10:27*	*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.
X	Surrogate is outside control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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)
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

Prep Batch: 187215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-1	241-22-Wall	Total/NA	Solid	3541	
500-57287-1 MS	241-22-Wall	Total/NA	Solid	3541	
500-57287-1 MSD	241-22-Wall	Total/NA	Solid	3541	
500-57287-2	241-23-Wall	Total/NA	Solid	3541	
500-57287-3	DUP-01	Total/NA	Solid	3541	
500-57287-5	241-1-Base	Total/NA	Solid	3541	
500-57287-6	241-8-Base	Total/NA	Solid	3541	
500-57287-7	241-15-Wall	Total/NA	Solid	3541	
500-57287-9	241-2-Base	Total/NA	Solid	3541	
500-57287-10	241-9-Base	Total/NA	Solid	3541	
500-57287-11	241-16-Wall	Total/NA	Solid	3541	
500-57287-13	241-3-Base	Total/NA	Solid	3541	
500-57287-14	241-10-Base	Total/NA	Solid	3541	
500-57287-15	241-17-Wall	Total/NA	Solid	3541	
LCS 500-187215/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-187215/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 187216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-17	241-4-Base	Total/NA	Solid	3541	
500-57287-17 MS	241-4-Base	Total/NA	Solid	3541	
500-57287-17 MSD	241-4-Base	Total/NA	Solid	3541	
500-57287-18	241-11-Base	Total/NA	Solid	3541	
500-57287-19	241-18-Wall	Total/NA	Solid	3541	
500-57287-21	241-5-Base	Total/NA	Solid	3541	
500-57287-22	241-12-Base	Total/NA	Solid	3541	
500-57287-23	241-19-Wall	Total/NA	Solid	3541	
500-57287-25	241-6-Base	Total/NA	Solid	3541	
500-57287-26	241-13-Base	Total/NA	Solid	3541	
500-57287-27	241-20-Wall	Total/NA	Solid	3541	
500-57287-29	241-7-Base	Total/NA	Solid	3541	
500-57287-30	241-14-Base	Total/NA	Solid	3541	
500-57287-31	241-21-Wall	Total/NA	Solid	3541	
LCS 500-187216/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-187216/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 187248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-32	Equipment Blank #1	Total/NA	Water	3510C	
500-57287-33	Equipment Blank #2	Total/NA	Water	3510C	
500-57287-34	Equipment Blank #3	Total/NA	Water	3510C	
LCS 500-187248/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 500-187248/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 187317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-1	241-22-Wall	Total/NA	Solid	8082	187215
500-57287-1 MS	241-22-Wall	Total/NA	Solid	8082	187215
500-57287-1 MSD	241-22-Wall	Total/NA	Solid	8082	187215
500-57287-2	241-23-Wall	Total/NA	Solid	8082	187215
500-57287-3	DUP-01	Total/NA	Solid	8082	187215

GC Semi VOA (Continued)

Analysis Batch: 187317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-5	241-1-Base	Total/NA	Solid	8082	187215
500-57287-6	241-8-Base	Total/NA	Solid	8082	187215
500-57287-7	241-15-Wall	Total/NA	Solid	8082	187215
500-57287-9	241-2-Base	Total/NA	Solid	8082	187215
500-57287-10	241-9-Base	Total/NA	Solid	8082	187215
500-57287-11	241-16-Wall	Total/NA	Solid	8082	187215
500-57287-13	241-3-Base	Total/NA	Solid	8082	187215
500-57287-14	241-10-Base	Total/NA	Solid	8082	187215
500-57287-15	241-17-Wall	Total/NA	Solid	8082	187215
500-57287-17	241-4-Base	Total/NA	Solid	8082	187216
500-57287-17 MS	241-4-Base	Total/NA	Solid	8082	187216
500-57287-17 MSD	241-4-Base	Total/NA	Solid	8082	187216
500-57287-18	241-11-Base	Total/NA	Solid	8082	187216
500-57287-19	241-18-Wall	Total/NA	Solid	8082	187216
500-57287-21	241-5-Base	Total/NA	Solid	8082	187216
500-57287-22	241-12-Base	Total/NA	Solid	8082	187216
500-57287-23	241-19-Wall	Total/NA	Solid	8082	187216
500-57287-25	241-6-Base	Total/NA	Solid	8082	187216
500-57287-26	241-13-Base	Total/NA	Solid	8082	187216
500-57287-27	241-20-Wall	Total/NA	Solid	8082	187216
500-57287-29	241-7-Base	Total/NA	Solid	8082	187216
500-57287-30	241-14-Base	Total/NA	Solid	8082	187216
500-57287-31	241-21-Wall	Total/NA	Solid	8082	187216
LCS 500-187215/2-A	Lab Control Sample	Total/NA	Solid	8082	187215
LCS 500-187216/2-A	Lab Control Sample	Total/NA	Solid	8082	187216
MB 500-187215/1-A	Method Blank	Total/NA	Solid	8082	187215
MB 500-187216/1-A	Method Blank	Total/NA	Solid	8082	187216

Analysis Batch: 187391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-32	Equipment Blank #1	Total/NA	Water	8082	187248
500-57287-33	Equipment Blank #2	Total/NA	Water	8082	187248
500-57287-34	Equipment Blank #3	Total/NA	Water	8082	187248
LCS 500-187248/2-A	Lab Control Sample	Total/NA	Water	8082	187248
MB 500-187248/1-A	Method Blank	Total/NA	Water	8082	187248

General Chemistry

Analysis Batch: 187133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-1	241-22-Wall	Total/NA	Solid	Moisture	
500-57287-1 DU	241-22-Wall	Total/NA	Solid	Moisture	
500-57287-1 MS	241-22-Wall	Total/NA	Solid	Moisture	
500-57287-1 MSD	241-22-Wall	Total/NA	Solid	Moisture	
500-57287-2	241-23-Wall	Total/NA	Solid	Moisture	
500-57287-3	DUP-01	Total/NA	Solid	Moisture	
500-57287-5	241-1-Base	Total/NA	Solid	Moisture	
500-57287-6	241-8-Base	Total/NA	Solid	Moisture	
500-57287-7	241-15-Wall	Total/NA	Solid	Moisture	
500-57287-9	241-2-Base	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 187133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-10	241-9-Base	Total/NA	Solid	Moisture	
500-57287-11	241-16-Wall	Total/NA	Solid	Moisture	
500-57287-13	241-3-Base	Total/NA	Solid	Moisture	
500-57287-14	241-10-Base	Total/NA	Solid	Moisture	
500-57287-15	241-17-Wall	Total/NA	Solid	Moisture	
500-57287-17	241-4-Base	Total/NA	Solid	Moisture	
500-57287-18	241-11-Base	Total/NA	Solid	Moisture	
500-57287-19	241-18-Wall	Total/NA	Solid	Moisture	
500-57287-21	241-5-Base	Total/NA	Solid	Moisture	
500-57287-22	241-12-Base	Total/NA	Solid	Moisture	
500-57287-23	241-19-Wall	Total/NA	Solid	Moisture	
500-57287-25	241-6-Base	Total/NA	Solid	Moisture	
500-57287-26	241-13-Base	Total/NA	Solid	Moisture	

Analysis Batch: 187135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57287-27	241-20-Wall	Total/NA	Solid	Moisture	
500-57287-27 DU	241-20-Wall	Total/NA	Solid	Moisture	
500-57287-29	241-7-Base	Total/NA	Solid	Moisture	
500-57287-30	241-14-Base	Total/NA	Solid	Moisture	
500-57287-31	241-21-Wall	Total/NA	Solid	Moisture	

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)										
500-57287-1	241-22-Wall	94	106										
500-57287-1 MS	241-22-Wall	76	102										
500-57287-1 MSD	241-22-Wall	86	107										
500-57287-2	241-23-Wall	98	111										
500-57287-3	DUP-01	94	99										
500-57287-5	241-1-Base	90	98										
500-57287-6	241-8-Base	106	125										
500-57287-7	241-15-Wall	0 D	0 D										
500-57287-9	241-2-Base	90	111										
500-57287-10	241-9-Base	99	107										
500-57287-11	241-16-Wall	100	109										
500-57287-13	241-3-Base	86	104										
500-57287-14	241-10-Base	79	100										
500-57287-15	241-17-Wall	97	118										
500-57287-17	241-4-Base	92	104										
500-57287-17 MS	241-4-Base	117 X	116										
500-57287-17 MSD	241-4-Base	94	106										
500-57287-18	241-11-Base	98	106										
500-57287-19	241-18-Wall	97	100										
500-57287-21	241-5-Base	89	99										
500-57287-22	241-12-Base	81	98										
500-57287-23	241-19-Wall	85	99										
500-57287-25	241-6-Base	80	98										
500-57287-26	241-13-Base	84	95										
500-57287-27	241-20-Wall	94	109										
500-57287-29	241-7-Base	93	103										
500-57287-30	241-14-Base	92	102										
500-57287-31	241-21-Wall	91	93										
LCS 500-187215/2-A	Lab Control Sample	93	111										
LCS 500-187216/2-A	Lab Control Sample	102	111										
MB 500-187215/1-A	Method Blank	92	108										
MB 500-187216/1-A	Method Blank	107	112										

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		TCX2	DCB2										
Lab Sample ID	Client Sample ID	(50-120)	(29-126)										
500-57287-32	Equipment Blank #1	73	73										
500-57287-33	Equipment Blank #2	74	75										
500-57287-34	Equipment Blank #3	70	72										
LCS 500-187248/2-A	Lab Control Sample	77	72										
MB 500-187248/1-A	Method Blank	72	70										

Surrogate Legend

Surrogate Summary

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

TestAmerica Job ID: 500-57287-1

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 500-187215/1-A
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 187215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1221	<7.3		17	7.3	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1232	<7.3		17	7.3	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1242	<5.5		17	5.5	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1248	<6.6		17	6.6	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1254	<3.6		17	3.6	ug/Kg		05/23/13 07:16	05/23/13 15:16	1
PCB-1260	<8.2		17	8.2	ug/Kg		05/23/13 07:16	05/23/13 15:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*50 - 116*	*05/23/13 07:16*	*05/23/13 15:16*	*1*
DCB Decachlorobiphenyl	*108*		*48 - 142*	*05/23/13 07:16*	*05/23/13 15:16*	*1*

Lab Sample ID: LCS 500-187215/2-A
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 187215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	152		ug/Kg		91	59 - 110		
PCB-1260			167	160		ug/Kg		95	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*50 - 116*
DCB Decachlorobiphenyl	*111*		*48 - 142*

Lab Sample ID: 500-57287-1 MS
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: 241-22-Wall
Prep Type: Total/NA
Prep Batch: 187215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<7.1		205	184		ug/Kg	☼	90	59 - 110		
PCB-1260	<9.9		205	197		ug/Kg	☼	96	69 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*50 - 116*
DCB Decachlorobiphenyl	*102*		*48 - 142*

Lab Sample ID: 500-57287-1 MSD
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: 241-22-Wall
Prep Type: Total/NA
Prep Batch: 187215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<7.1		197	196		ug/Kg	☼	99	59 - 110	6	30
PCB-1260	<9.9		197	208		ug/Kg	☼	105	69 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*50 - 116*
DCB Decachlorobiphenyl	*107*		*48 - 142*

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

Lab Sample ID: MB 500-187216/1-A
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 187216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1221	<7.3		17	7.3	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1232	<7.3		17	7.3	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1242	<5.5		17	5.5	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1248	<6.6		17	6.6	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1254	<3.6		17	3.6	ug/Kg		05/23/13 07:22	05/24/13 14:11	1
PCB-1260	<8.2		17	8.2	ug/Kg		05/23/13 07:22	05/24/13 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*50 - 116*	*05/23/13 07:22*	*05/24/13 14:11*	*1*
DCB Decachlorobiphenyl	*112*		*48 - 142*	*05/23/13 07:22*	*05/24/13 14:11*	*1*

Lab Sample ID: LCS 500-187216/2-A
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 187216

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	159		ug/Kg		95	59 - 110		
PCB-1260			167	172		ug/Kg		103	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*102*		*50 - 116*
DCB Decachlorobiphenyl	*111*		*48 - 142*

Lab Sample ID: 500-57287-17 MS
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: 241-4-Base
Prep Type: Total/NA
Prep Batch: 187216

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<7.2		197	217		ug/Kg	☼	110	59 - 110		
PCB-1260	<9.9		197	229		ug/Kg	☼	116	69 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*117*	*X*	*50 - 116*
DCB Decachlorobiphenyl	*116*		*48 - 142*

Lab Sample ID: 500-57287-17 MSD
Matrix: Solid
Analysis Batch: 187317

Client Sample ID: 241-4-Base
Prep Type: Total/NA
Prep Batch: 187216

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<7.2		200	187		ug/Kg	☼	93	59 - 110	15	30
PCB-1260	<9.9		200	203		ug/Kg	☼	101	69 - 120	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*94*		*50 - 116*
DCB Decachlorobiphenyl	*106*		*48 - 142*

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

Lab Sample ID: MB 500-187248/1-A
Matrix: Water
Analysis Batch: 187391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 187248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1221	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1232	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1242	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1248	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1254	<0.20		0.40	0.20	ug/L		05/23/13 10:01	05/24/13 09:30	1
PCB-1260	<0.070		0.40	0.070	ug/L		05/23/13 10:01	05/24/13 09:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*50 - 120*	*05/23/13 10:01*	*05/24/13 09:30*	*1*
DCB Decachlorobiphenyl	*70*		*29 - 126*	*05/23/13 10:01*	*05/24/13 09:30*	*1*

Lab Sample ID: LCS 500-187248/2-A
Matrix: Water
Analysis Batch: 187391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 187248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.02	3.80		ug/L		95	64 - 110
PCB-1260	4.02	3.65		ug/L		91	51 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*77*		*50 - 120*
DCB Decachlorobiphenyl	*72*		*29 - 126*

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-22-Wall

Lab Sample ID: 500-57287-1
Date Collected: 05/21/13 14:15
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 16:41	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-23-Wall

Lab Sample ID: 500-57287-2
Date Collected: 05/21/13 14:16
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 17:22	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: DUP-01

Lab Sample ID: 500-57287-3
Date Collected: 05/21/13 00:00
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 10:13	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-1-Base

Lab Sample ID: 500-57287-5
Date Collected: 05/21/13 14:29
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 10:41	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-8-Base

Lab Sample ID: 500-57287-6
Date Collected: 05/21/13 14:30
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		10	187317	05/23/13 18:19	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-15-Wall

Lab Sample ID: 500-57287-7

Date Collected: 05/21/13 14:31
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 67.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		20	187317	05/23/13 18:32	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-2-Base

Lab Sample ID: 500-57287-9

Date Collected: 05/21/13 14:41
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 19:00	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-9-Base

Lab Sample ID: 500-57287-10

Date Collected: 05/21/13 14:42
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 19:14	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-16-Wall

Lab Sample ID: 500-57287-11

Date Collected: 05/21/13 14:43
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 19:42	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-3-Base

Lab Sample ID: 500-57287-13

Date Collected: 05/21/13 14:46
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 20:11	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-10-Base

Lab Sample ID: 500-57287-14
Date Collected: 05/21/13 14:47
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/23/13 20:24	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-17-Wall

Lab Sample ID: 500-57287-15
Date Collected: 05/21/13 14:48
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187215	05/23/13 07:16	STW	TAL CHI
Total/NA	Analysis	8082		10	187317	05/23/13 20:38	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-4-Base

Lab Sample ID: 500-57287-17
Date Collected: 05/21/13 15:06
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 14:38	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-11-Base

Lab Sample ID: 500-57287-18
Date Collected: 05/21/13 15:07
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 20:14	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-18-Wall

Lab Sample ID: 500-57287-19
Date Collected: 05/21/13 15:08
Matrix: Solid
Date Received: 05/22/13 11:40
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 20:28	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-5-Base

Lab Sample ID: 500-57287-21

Date Collected: 05/21/13 15:16
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 20:56	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-12-Base

Lab Sample ID: 500-57287-22

Date Collected: 05/21/13 15:17
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 21:10	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-19-Wall

Lab Sample ID: 500-57287-23

Date Collected: 05/21/13 15:18
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 16:44	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-6-Base

Lab Sample ID: 500-57287-25

Date Collected: 05/21/13 15:21
Date Received: 05/22/13 11:40

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			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 17:12	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Client Sample ID: 241-13-Base

Lab Sample ID: 500-57287-26

Date Collected: 05/21/13 15:22
Date Received: 05/22/13 11:40

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			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 17:26	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187133	05/22/13 12:35	CMV	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: 241-20-Wall

Lab Sample ID: 500-57287-27

Date Collected: 05/21/13 15:23
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 17:40	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187135	05/22/13 13:10	CMV	TAL CHI

Client Sample ID: 241-7-Base

Lab Sample ID: 500-57287-29

Date Collected: 05/21/13 15:27
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 18:08	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187135	05/22/13 13:10	CMV	TAL CHI

Client Sample ID: 241-14-Base

Lab Sample ID: 500-57287-30

Date Collected: 05/21/13 15:28
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 18:22	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187135	05/22/13 13:10	CMV	TAL CHI

Client Sample ID: 241-21-Wall

Lab Sample ID: 500-57287-31

Date Collected: 05/21/13 15:29
Date Received: 05/22/13 11:40

Matrix: Solid
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			187216	05/23/13 07:22	STW	TAL CHI
Total/NA	Analysis	8082		1	187317	05/24/13 18:36	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	187135	05/22/13 13:10	CMV	TAL CHI

Client Sample ID: Equipment Blank #1

Lab Sample ID: 500-57287-32

Date Collected: 05/21/13 16:00
Date Received: 05/22/13 11:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			187248	05/23/13 10:01	DAK	TAL CHI
Total/NA	Analysis	8082		1	187391	05/24/13 09:58	GMO	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-57287-1

Client Sample ID: Equipment Blank #2

Lab Sample ID: 500-57287-33

Date Collected: 05/21/13 16:06

Matrix: Water

Date Received: 05/22/13 11:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			187248	05/23/13 10:01	DAK	TAL CHI
Total/NA	Analysis	8082		1	187391	05/24/13 10:12	GMO	TAL CHI

Client Sample ID: Equipment Blank #3

Lab Sample ID: 500-57287-34

Date Collected: 05/21/13 16:10

Matrix: Water

Date Received: 05/22/13 11:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			187248	05/23/13 10:01	DAK	TAL CHI
Total/NA	Analysis	8082		1	187391	05/24/13 10:27	GMO	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: 500-57287-1

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	05-31-13
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	05-31-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAP	3	460142	06-14-13
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.

500-57287-3

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 3

Project Number/Name WI001283.0008.00006/Madison MPP

Project Location Madison, WI

Laboratory TestAmerica University Park

Project Manager Rebecca Robbemolt

Sampler(s)/Affiliation Jay Read/ARCADIS

ANALYSIS / METHOD / SIZE

500-57287 COC

	Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	PCBs						Remarks	Total
1	241-22-Wall	SO	5/21/13 1413		X						MS/MSD	2
2	241-23-Wall		1416		X							1
3	DUP-01		-		X						Duplicate	1
4	MKC-15-Base		1425		X							1
5	241-1-Base		1429		X							1
6	241-8-Base		1430		X							1
7	241-15-Wall		1431		X							1
8	MKC-16-Base		1440		X							1
9	241-2-Base		1441		X							1
10	241-9-Base		1442		X							1
11	241-16-Wall		1443		X							1
12	MKC-17-Base		1445		X							1
13	241-3-Base		1446		X							1
14	241-10-Base		1447		X							1
15	241-17-Wall	↓	↓ 1448		X							1
											Total No. of Bottles/ Containers	16

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: [signature]	Organization: ARCADIS	Date 5/21/13	Time 1730	Seal Intact?	0.6
Received by: [signature]	Organization: TA-CHI	Date 5/22/13	Time 1010	Yes No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

SPECIFY 5/28/2013

AG 05-12/01

500-57287

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 3

Project Number/Name: 11001283.0008.00006/Madison-Mipp

Project Location: Madison, WI

Laboratory: Test America University Park

Project Manager: Rebecca Robbengolt

Sampler(s)/Affiliation: Jay Reed/ARCADIS

	Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: PCBs						Remarks	Total
16	MHC-18-Base	SO	5/21/13/1505		X							1
17	241-4-Base		1506		X							1
18	241-11-Base		1507		X							1
19	241-18-Wall		1508		X							1
20	MHC-19-Base		1515		X							1
21	241-5-Base		1516		X							1
22	241-12-Base		1517		X							1
23	241-19-Wall		1518		X							1
24	~~MHC~~-MHC-20-base		1520		X							1
25	241-6-Base		1521		X							1
26	241-13-Base		1522		X							1
27	241-20-Wall		1523		X							1
28	MHC-21-Base		1526		X							1
29	241-7-Base		1527		X							1
30	241-14-Base	↓	1528		X							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: [signature]	Organization: ARCADIS	Date 5/21/13	Time 1730	Seal Intact?	Yes	No N/A
Received by: [signature]	Organization: TA-CHE	Date 5/22/13	Time 1010			
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	Yes	No N/A
Received by:	Organization:	Date / /	Time			

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

SPECIFY 5/28/2013
AG 05-12/01

500-57287

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 3 of 3

Project Number/Name: WI001283.0008.00006 / Madison Mipp

Project Location: Madison, WI

Laboratory: TestAmerica University Park

Project Manager: Rebecca Robbenolt

Sampler(s)/Affiliation: Jay Read / ARCADIS

	Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: 24 hr TAT						Remarks	Total
31	241-21-Well	SO	5/21/13/1540		X							1
32	Equipment Blank #1	W	5/21/13/1600		X						Equipment Blanks ↓	1
33	Equipment Blank #2	W	5/21/13/1606		X							1
34	Equipment Blank #3	W	5/21/13/1610		X							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 4

					Seal Intact?
Relinquished by: [signature]	Organization: ARCADIS	Date 5/21/13	Time 1730		
Received by: [signature]	Organization: TA-CHT	Date 5/22/13	Time 1010		Yes No N/A
Relinquished by:	Organization:	Date / /	Time		Seal Intact?
Received by:	Organization:	Date / /	Time		Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

SPECIFY 5/28/2013
AG 05-12/01

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-57287-1

Login Number: 57287

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	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	Refer to Job Narrative for details.
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	