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: 500-74873-1
Client Project/Site: MadisonKipp - WI001368.17.1

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

Attn: Ms. Jennine Trask

Therese Hargraves

Authorized for release by:
4/16/2014 4:53:19 PM
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Job ID: 500-74873-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-74873-1

Comments
No additional comments.

Receipt
The samples were received on 4/10/2014 10:54 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

Except:

Received 2 jars with the ID of RG-24, didn't receive RG-23. The only difference between the two jars is one is in black ink and the other in blue ink.

GC Semi VOA
Method(s) 8082: The following sample were diluted to bring the concentration of target analytes within the calibration range: RG-1 (500-74873-1), RG-11 (500-74873-11), RG-13 (500-74873-13), RG-16 (500-74873-16), RG-18 (500-74873-18), RG-19 (500-74873-19), RG-20 (500-74873-20), RG-23 (500-74873-24), RG-3 (500-74873-3), RG-5 (500-74873-5), RG-8 (500-74873-8). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following sample(s) was diluted due to the abundance of non-target analytes: RG-17 (500-74873-17). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following sample(s) required a dilution due to the nature of the sample matrix: RG-1 (500-74873-1), RG-11 (500-74873-11), RG-13 (500-74873-13), RG-16 (500-74873-16), RG-18 (500-74873-18), RG-19 (500-74873-19), RG-20 (500-74873-20), RG-23 (500-74873-24), RG-5 (500-74873-5), RG-8 (500-74873-8). Because of these dilutions, the surrogate spike concentrations in the samples were reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8082: The following sample(s) required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: RG-14 (500-74873-14). The reagent lot number used was: 18120.

No other analytical or quality issues were noted.

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

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

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-1 — Lab Sample ID: 500-74873-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	12000		2300	500	ug/Kg	100	☼	8082	Total/NA

Client Sample ID: RG-2 — Lab Sample ID: 500-74873-2

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: RG-3 — Lab Sample ID: 500-74873-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	350		120	25	ug/Kg	5	☼	8082	Total/NA

Client Sample ID: RG-4 — Lab Sample ID: 500-74873-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	80		21	4.4	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-5 — Lab Sample ID: 500-74873-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2200		410	88	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: RG-6 — Lab Sample ID: 500-74873-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	100		21	4.6	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-7 — Lab Sample ID: 500-74873-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	48		21	4.6	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-8 — Lab Sample ID: 500-74873-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	31000		4600	1000	ug/Kg	200	☼	8082	Total/NA

Client Sample ID: RG-9 — Lab Sample ID: 500-74873-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	11	J	21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-10 — Lab Sample ID: 500-74873-10

No Detections.

Client Sample ID: RG-11 — Lab Sample ID: 500-74873-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	910		420	91	ug/Kg	20	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-12 — Lab Sample ID: 500-74873-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	110		22	4.7	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-13 — Lab Sample ID: 500-74873-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	5300		390	85	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: RG-14 — Lab Sample ID: 500-74873-14

No Detections.

Client Sample ID: RG-15 — Lab Sample ID: 500-74873-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	16	J	21	4.5	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-16 — Lab Sample ID: 500-74873-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	11000		540	120	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: RG-17 — Lab Sample ID: 500-74873-17

No Detections.

Client Sample ID: RG-18 — Lab Sample ID: 500-74873-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	85000		12000	2600	ug/Kg	500	☼	8082	Total/NA

Client Sample ID: RG-19 — Lab Sample ID: 500-74873-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	4300		450	96	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: RG-20 — Lab Sample ID: 500-74873-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	880		490	110	ug/Kg	20	☼	8082	Total/NA

Client Sample ID: RG-21 — Lab Sample ID: 500-74873-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	35		23	5.0	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-22 — Lab Sample ID: 500-74873-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	130		21	4.5	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 - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-24 — Lab Sample ID: 500-74873-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	57		21	4.6	ug/Kg	1	☼	8082	Total/NA

Client Sample ID: RG-23 — Lab Sample ID: 500-74873-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	20000		2300	510	ug/Kg	100	☼	8082	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 500-74873-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	65		21	4.5	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 - WI001368.17.1

TestAmerica Job ID: 500-74873-1

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 - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-74873-1	RG-1	Solid	04/09/14 11:35	04/10/14 10:54
500-74873-2	RG-2	Solid	04/09/14 11:36	04/10/14 10:54
500-74873-3	RG-3	Solid	04/09/14 11:37	04/10/14 10:54
500-74873-4	RG-4	Solid	04/09/14 11:38	04/10/14 10:54
500-74873-5	RG-5	Solid	04/09/14 11:39	04/10/14 10:54
500-74873-6	RG-6	Solid	04/09/14 11:40	04/10/14 10:54
500-74873-7	RG-7	Solid	04/09/14 12:40	04/10/14 10:54
500-74873-8	RG-8	Solid	04/09/14 12:41	04/10/14 10:54
500-74873-9	RG-9	Solid	04/09/14 12:42	04/10/14 10:54
500-74873-10	RG-10	Solid	04/09/14 12:43	04/10/14 10:54
500-74873-11	RG-11	Solid	04/09/14 12:44	04/10/14 10:54
500-74873-12	RG-12	Solid	04/09/14 12:45	04/10/14 10:54
500-74873-13	RG-13	Solid	04/09/14 12:46	04/10/14 10:54
500-74873-14	RG-14	Solid	04/09/14 12:47	04/10/14 10:54
500-74873-15	RG-15	Solid	04/09/14 12:48	04/10/14 10:54
500-74873-16	RG-16	Solid	04/09/14 12:49	04/10/14 10:54
500-74873-17	RG-17	Solid	04/09/14 12:50	04/10/14 10:54
500-74873-18	RG-18	Solid	04/09/14 12:51	04/10/14 10:54
500-74873-19	RG-19	Solid	04/09/14 12:52	04/10/14 10:54
500-74873-20	RG-20	Solid	04/09/14 13:05	04/10/14 10:54
500-74873-21	RG-21	Solid	04/09/14 13:06	04/10/14 10:54
500-74873-22	RG-22	Solid	04/09/14 13:07	04/10/14 10:54
500-74873-23	RG-24	Solid	04/09/14 13:09	04/10/14 10:54
500-74873-24	RG-23	Solid	04/09/14 13:09	04/10/14 10:54
500-74873-25	DUP-01	Solid	04/09/14 00:00	04/10/14 10:54

Client Sample ID: RG-1

Lab Sample ID: 500-74873-1

Date Collected: 04/09/14 11:35
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<820		2300	820	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1221	<1000		2300	1000	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1232	<1000		2300	1000	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1242	<760		2300	760	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1248	<910		2300	910	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1254	**12000**		2300	500	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100
PCB-1260	<1100		2300	1100	ug/Kg	☼	04/11/14 07:04	04/15/14 15:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 15:28*	*100*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 15:28*	*100*

Client Sample ID: RG-2

Lab Sample ID: 500-74873-2

Date Collected: 04/09/14 11:36
Matrix: Solid
Date Received: 04/10/14 10:54
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	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1221	<8.7		20	8.7	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1232	<8.6		20	8.6	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1248	<7.8		20	7.8	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1254	**19**	**J**	20	4.3	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1
PCB-1260	<9.7		20	9.7	ug/Kg	☼	04/11/14 07:04	04/15/14 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*50 - 116*	*04/11/14 07:04*	*04/15/14 16:09*	*1*
DCB Decachlorobiphenyl	*110*		*48 - 142*	*04/11/14 07:04*	*04/15/14 16:09*	*1*

Client Sample ID: RG-3

Lab Sample ID: 500-74873-3

Date Collected: 04/09/14 11:37
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		120	41	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1221	<51		120	51	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1232	<51		120	51	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1242	<38		120	38	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1248	<46		120	46	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1254	**350**		120	25	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5
PCB-1260	<57		120	57	ug/Kg	☼	04/11/14 07:04	04/15/14 16:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*50 - 116*	*04/11/14 07:04*	*04/15/14 16:22*	*5*
DCB Decachlorobiphenyl	*135*		*48 - 142*	*04/11/14 07:04*	*04/15/14 16:22*	*5*

Client Sample ID: RG-4

Lab Sample ID: 500-74873-4

Date Collected: 04/09/14 11:38
Matrix: Solid
Date Received: 04/10/14 10:54
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	<7.3		21	7.3	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1221	<9.0		21	9.0	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1232	<8.9		21	8.9	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1242	<6.7		21	6.7	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1254	**80**		21	4.4	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1
PCB-1260	<10		21	10	ug/Kg	☼	04/11/14 07:04	04/15/14 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*50 - 116*	*04/11/14 07:04*	*04/15/14 16:36*	*1*
DCB Decachlorobiphenyl	*106*		*48 - 142*	*04/11/14 07:04*	*04/15/14 16:36*	*1*

Client Sample ID: RG-5

Lab Sample ID: 500-74873-5

Date Collected: 04/09/14 11:39
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<140		410	140	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1221	<180		410	180	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1232	<180		410	180	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1242	<130		410	130	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1248	<160		410	160	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1254	**2200**		410	88	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20
PCB-1260	<200		410	200	ug/Kg	☼	04/11/14 07:04	04/15/14 11:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 11:22*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 11:22*	*20*

Client Sample ID: RG-6

Lab Sample ID: 500-74873-6

Date Collected: 04/09/14 11:40
Matrix: Solid
Date Received: 04/10/14 10:54
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	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1221	<9.4		21	9.4	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1232	<9.3		21	9.3	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1242	<7.0		21	7.0	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1248	<8.4		21	8.4	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1254	**100**		21	4.6	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1
PCB-1260	<10		21	10	ug/Kg	☼	04/11/14 07:04	04/15/14 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*50 - 116*	*04/11/14 07:04*	*04/15/14 16:50*	*1*
DCB Decachlorobiphenyl	*109*		*48 - 142*	*04/11/14 07:04*	*04/15/14 16:50*	*1*

Client Sample ID: RG-7

Lab Sample ID: 500-74873-7

Date Collected: 04/09/14 12:40
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 76.7

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	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1221	<9.4		21	9.4	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1232	<9.3		21	9.3	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1242	<7.0		21	7.0	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1248	<8.4		21	8.4	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1254	**48**		21	4.6	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1
PCB-1260	<11		21	11	ug/Kg	☼	04/11/14 07:04	04/15/14 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*50 - 116*	*04/11/14 07:04*	*04/15/14 17:03*	*1*
DCB Decachlorobiphenyl	*97*		*48 - 142*	*04/11/14 07:04*	*04/15/14 17:03*	*1*

Client Sample ID: RG-8

Lab Sample ID: 500-74873-8

Date Collected: 04/09/14 12:41
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 69.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1600		4600	1600	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1221	<2000		4600	2000	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1232	<2000		4600	2000	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1242	<1500		4600	1500	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1248	<1800		4600	1800	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1254	**31000**		4600	1000	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200
PCB-1260	<2300		4600	2300	ug/Kg	☼	04/11/14 07:04	04/15/14 17:17	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 17:17*	*200*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 17:17*	*200*

Client Sample ID: RG-9

Lab Sample ID: 500-74873-9

Date Collected: 04/09/14 12:42
Matrix: Solid
Date Received: 04/10/14 10:54
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	<7.4		21	7.4	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1248	<8.2		21	8.2	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1254	**11**	**J**	21	4.5	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1
PCB-1260	<10		21	10	ug/Kg	☼	04/11/14 07:04	04/15/14 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*50 - 116*	*04/11/14 07:04*	*04/15/14 17:31*	*1*
DCB Decachlorobiphenyl	*100*		*48 - 142*	*04/11/14 07:04*	*04/15/14 17:31*	*1*

Client Sample ID: RG-10

Date Collected: 04/09/14 12:43
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-10
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.1		20	7.1	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1248	<7.9		20	7.9	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	04/11/14 07:04	04/15/14 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*50 - 116*	*04/11/14 07:04*	*04/15/14 17:44*	*1*
DCB Decachlorobiphenyl	*122*		*48 - 142*	*04/11/14 07:04*	*04/15/14 17:44*	*1*

Client Sample ID: RG-11

Date Collected: 04/09/14 12:44
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-11
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<150		420	150	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1221	<190		420	190	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1232	<180		420	180	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1242	<140		420	140	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1248	<170		420	170	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1254	**910**		420	91	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20
PCB-1260	<210		420	210	ug/Kg	☼	04/11/14 07:04	04/15/14 12:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 12:57*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 12:57*	*20*

Client Sample ID: RG-12

Date Collected: 04/09/14 12:45
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-12
Matrix: Solid
Percent Solids: 74.7

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	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1221	<9.5		22	9.5	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1232	<9.5		22	9.5	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1242	<7.1		22	7.1	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1248	<8.5		22	8.5	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1254	**110**		22	4.7	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1
PCB-1260	<11		22	11	ug/Kg	☼	04/11/14 07:04	04/15/14 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*50 - 116*	*04/11/14 07:04*	*04/15/14 17:58*	*1*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*04/11/14 07:04*	*04/15/14 17:58*	*1*

Client Sample ID: RG-13

Date Collected: 04/09/14 12:46
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-13
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<140		390	140	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1221	<170		390	170	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1232	<170		390	170	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1242	<130		390	130	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1248	<150		390	150	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1254	**5300**		390	85	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20
PCB-1260	<190		390	190	ug/Kg	☼	04/11/14 07:04	04/15/14 13:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 13:25*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 13:25*	*20*

Client Sample ID: RG-14

Date Collected: 04/09/14 12:47
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-14
Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.8		19	6.8	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1221	<8.5		19	8.5	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1232	<8.4		19	8.4	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1242	<6.3		19	6.3	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1248	<7.6		19	7.6	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1254	<4.2		19	4.2	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1
PCB-1260	<9.5		19	9.5	ug/Kg	☼	04/11/14 07:04	04/16/14 08:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*50 - 116*	*04/11/14 07:04*	*04/16/14 08:54*	*1*
DCB Decachlorobiphenyl	*110*		*48 - 142*	*04/11/14 07:04*	*04/16/14 08:54*	*1*

Client Sample ID: RG-15

Date Collected: 04/09/14 12:48
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-15
Matrix: Solid
Percent Solids: 77.8

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	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1232	<9.1		21	9.1	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1248	<8.2		21	8.2	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1254	**16**	**J**	21	4.5	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1
PCB-1260	<10		21	10	ug/Kg	☼	04/11/14 07:04	04/15/14 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*50 - 116*	*04/11/14 07:04*	*04/15/14 18:25*	*1*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*04/11/14 07:04*	*04/15/14 18:25*	*1*

Client Sample ID: RG-16

Lab Sample ID: 500-74873-16

Date Collected: 04/09/14 12:49
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 60.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<190		540	190	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1221	<240		540	240	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1232	<240		540	240	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1242	<180		540	180	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1248	<210		540	210	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1254	**11000**		540	120	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20
PCB-1260	<260		540	260	ug/Kg	☼	04/11/14 07:04	04/15/14 14:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 14:06*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 14:06*	*20*

Client Sample ID: RG-17

Lab Sample ID: 500-74873-17

Date Collected: 04/09/14 12:50
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<35		100	35	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1221	<44		100	44	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1232	<44		100	44	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1242	<33		100	33	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1248	<40		100	40	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1254	<22		100	22	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5
PCB-1260	<49		100	49	ug/Kg	☼	04/11/14 07:04	04/15/14 18:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*50 - 116*	*04/11/14 07:04*	*04/15/14 18:39*	*5*
DCB Decachlorobiphenyl	*128*		*48 - 142*	*04/11/14 07:04*	*04/15/14 18:39*	*5*

Client Sample ID: RG-18

Lab Sample ID: 500-74873-18

Date Collected: 04/09/14 12:51
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 68.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4200		12000	4200	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1221	<5200		12000	5200	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1232	<5200		12000	5200	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1242	<3900		12000	3900	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1248	<4700		12000	4700	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1254	**85000**		12000	2600	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500
PCB-1260	<5800		12000	5800	ug/Kg	☼	04/11/14 07:04	04/15/14 18:53	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 18:53*	*500*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 18:53*	*500*

Client Sample ID: RG-19

Lab Sample ID: 500-74873-19

Date Collected: 04/09/14 12:52
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 72.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<160		450	160	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1221	<200		450	200	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1232	<190		450	190	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1242	<150		450	150	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1248	<180		450	180	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1254	**4300**		450	96	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20
PCB-1260	<220		450	220	ug/Kg	☼	04/11/14 07:04	04/15/14 14:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 14:47*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 14:47*	*20*

Client Sample ID: RG-20

Lab Sample ID: 500-74873-20

Date Collected: 04/09/14 13:05
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 68.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<170		490	170	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1221	<220		490	220	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1232	<210		490	210	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1242	<160		490	160	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1248	<190		490	190	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1254	**880**		490	110	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20
PCB-1260	<240		490	240	ug/Kg	☼	04/11/14 07:04	04/15/14 15:00	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/11/14 07:04*	*04/15/14 15:00*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/11/14 07:04*	*04/15/14 15:00*	*20*

Client Sample ID: RG-21

Lab Sample ID: 500-74873-21

Date Collected: 04/09/14 13:06
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<8.2		23	8.2	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1221	<10		23	10	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1232	<10		23	10	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1242	<7.6		23	7.6	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1248	<9.2		23	9.2	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1254	**35**		23	5.0	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1
PCB-1260	<11		23	11	ug/Kg	☼	04/15/14 18:50	04/16/14 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*50 - 116*	*04/15/14 18:50*	*04/16/14 11:39*	*1*
DCB Decachlorobiphenyl	*109*		*48 - 142*	*04/15/14 18:50*	*04/16/14 11:39*	*1*

Client Sample ID: RG-22

Lab Sample ID: 500-74873-22

Date Collected: 04/09/14 13:07
Matrix: Solid
Date Received: 04/10/14 10:54
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	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1221	<9.2		21	9.2	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1232	<9.2		21	9.2	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1242	<6.9		21	6.9	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1248	<8.3		21	8.3	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1254	**130**		21	4.5	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1
PCB-1260	<10		21	10	ug/Kg	☼	04/15/14 18:50	04/16/14 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*50 - 116*	*04/15/14 18:50*	*04/16/14 11:52*	*1*
DCB Decachlorobiphenyl	*99*		*48 - 142*	*04/15/14 18:50*	*04/16/14 11:52*	*1*

Client Sample ID: RG-24

Lab Sample ID: 500-74873-23

Date Collected: 04/09/14 13:09
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.4

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	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1221	<9.3		21	9.3	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1232	<9.2		21	9.2	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1242	<7.0		21	7.0	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1248	<8.3		21	8.3	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1254	**57**		21	4.6	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1
PCB-1260	<10		21	10	ug/Kg	☼	04/15/14 18:50	04/16/14 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*50 - 116*	*04/15/14 18:50*	*04/16/14 12:06*	*1*
DCB Decachlorobiphenyl	*92*		*48 - 142*	*04/15/14 18:50*	*04/16/14 12:06*	*1*

Client Sample ID: RG-23

Lab Sample ID: 500-74873-24

Date Collected: 04/09/14 13:09
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<830		2300	830	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1221	<1000		2300	1000	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1232	<1000		2300	1000	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1242	<770		2300	770	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1248	<920		2300	920	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1254	**20000**		2300	510	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100
PCB-1260	<1200		2300	1200	ug/Kg	☼	04/15/14 18:50	04/16/14 14:09	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*04/15/14 18:50*	*04/16/14 14:09*	*100*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*04/15/14 18:50*	*04/16/14 14:09*	*100*

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: DUP-01
Date Collected: 04/09/14 00:00
Date Received: 04/10/14 10:54

Lab Sample ID: 500-74873-25
Matrix: Solid
Percent Solids: 78.8

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	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1221	<9.1		21	9.1	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1232	<9.0		21	9.0	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1242	<6.8		21	6.8	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1248	<8.1		21	8.1	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1254	**65**		21	4.5	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1
PCB-1260	<10		21	10	ug/Kg	☼	04/15/14 18:50	04/16/14 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*50 - 116*	*04/15/14 18:50*	*04/16/14 12:33*	*1*
DCB Decachlorobiphenyl	*89*		*48 - 142*	*04/15/14 18:50*	*04/16/14 12:33*	*1*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
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)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC Semi VOA

Prep Batch: 231085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74873-1	RG-1	Total/NA	Solid	3541	
500-74873-1 MS	RG-1	Total/NA	Solid	3541	
500-74873-1 MSD	RG-1	Total/NA	Solid	3541	
500-74873-2	RG-2	Total/NA	Solid	3541	
500-74873-3	RG-3	Total/NA	Solid	3541	
500-74873-4	RG-4	Total/NA	Solid	3541	
500-74873-5	RG-5	Total/NA	Solid	3541	
500-74873-6	RG-6	Total/NA	Solid	3541	
500-74873-7	RG-7	Total/NA	Solid	3541	
500-74873-8	RG-8	Total/NA	Solid	3541	
500-74873-9	RG-9	Total/NA	Solid	3541	
500-74873-10	RG-10	Total/NA	Solid	3541	
500-74873-11	RG-11	Total/NA	Solid	3541	
500-74873-12	RG-12	Total/NA	Solid	3541	
500-74873-13	RG-13	Total/NA	Solid	3541	
500-74873-14	RG-14	Total/NA	Solid	3541	
500-74873-15	RG-15	Total/NA	Solid	3541	
500-74873-16	RG-16	Total/NA	Solid	3541	
500-74873-17	RG-17	Total/NA	Solid	3541	
500-74873-18	RG-18	Total/NA	Solid	3541	
500-74873-19	RG-19	Total/NA	Solid	3541	
500-74873-20	RG-20	Total/NA	Solid	3541	
LCS 500-231085/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-231085/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 231578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74873-1	RG-1	Total/NA	Solid	8082	231085
500-74873-1 MS	RG-1	Total/NA	Solid	8082	231085
500-74873-1 MSD	RG-1	Total/NA	Solid	8082	231085
500-74873-2	RG-2	Total/NA	Solid	8082	231085
500-74873-3	RG-3	Total/NA	Solid	8082	231085
500-74873-4	RG-4	Total/NA	Solid	8082	231085
500-74873-5	RG-5	Total/NA	Solid	8082	231085
500-74873-6	RG-6	Total/NA	Solid	8082	231085
500-74873-7	RG-7	Total/NA	Solid	8082	231085
500-74873-8	RG-8	Total/NA	Solid	8082	231085
500-74873-9	RG-9	Total/NA	Solid	8082	231085
500-74873-10	RG-10	Total/NA	Solid	8082	231085
500-74873-11	RG-11	Total/NA	Solid	8082	231085
500-74873-12	RG-12	Total/NA	Solid	8082	231085
500-74873-13	RG-13	Total/NA	Solid	8082	231085
500-74873-14	RG-14	Total/NA	Solid	8082	231085
500-74873-15	RG-15	Total/NA	Solid	8082	231085
500-74873-16	RG-16	Total/NA	Solid	8082	231085
500-74873-17	RG-17	Total/NA	Solid	8082	231085
500-74873-18	RG-18	Total/NA	Solid	8082	231085
500-74873-19	RG-19	Total/NA	Solid	8082	231085
500-74873-20	RG-20	Total/NA	Solid	8082	231085
500-74873-21	RG-21	Total/NA	Solid	8082	231711
500-74873-22	RG-22	Total/NA	Solid	8082	231711

GC Semi VOA (Continued)

Analysis Batch: 231578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74873-23	RG-24	Total/NA	Solid	8082	231711
500-74873-24	RG-23	Total/NA	Solid	8082	231711
500-74873-25	DUP-01	Total/NA	Solid	8082	231711
LCS 500-231085/2-A	Lab Control Sample	Total/NA	Solid	8082	231085
LCS 500-231711/2-A	Lab Control Sample	Total/NA	Solid	8082	231711
MB 500-231085/1-A	Method Blank	Total/NA	Solid	8082	231085
MB 500-231711/1-A	Method Blank	Total/NA	Solid	8082	231711

Prep Batch: 231711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74873-21	RG-21	Total/NA	Solid	3541	
500-74873-22	RG-22	Total/NA	Solid	3541	
500-74873-23	RG-24	Total/NA	Solid	3541	
500-74873-24	RG-23	Total/NA	Solid	3541	
500-74873-25	DUP-01	Total/NA	Solid	3541	
LCS 500-231711/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-231711/1-A	Method Blank	Total/NA	Solid	3541	

General Chemistry

Analysis Batch: 231185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74873-1	RG-1	Total/NA	Solid	Moisture	
500-74873-1 DU	RG-1	Total/NA	Solid	Moisture	
500-74873-2	RG-2	Total/NA	Solid	Moisture	
500-74873-3	RG-3	Total/NA	Solid	Moisture	
500-74873-4	RG-4	Total/NA	Solid	Moisture	
500-74873-5	RG-5	Total/NA	Solid	Moisture	
500-74873-6	RG-6	Total/NA	Solid	Moisture	
500-74873-7	RG-7	Total/NA	Solid	Moisture	
500-74873-8	RG-8	Total/NA	Solid	Moisture	
500-74873-9	RG-9	Total/NA	Solid	Moisture	
500-74873-10	RG-10	Total/NA	Solid	Moisture	
500-74873-11	RG-11	Total/NA	Solid	Moisture	
500-74873-12	RG-12	Total/NA	Solid	Moisture	
500-74873-13	RG-13	Total/NA	Solid	Moisture	
500-74873-14	RG-14	Total/NA	Solid	Moisture	
500-74873-15	RG-15	Total/NA	Solid	Moisture	
500-74873-16	RG-16	Total/NA	Solid	Moisture	
500-74873-17	RG-17	Total/NA	Solid	Moisture	
500-74873-18	RG-18	Total/NA	Solid	Moisture	
500-74873-19	RG-19	Total/NA	Solid	Moisture	
500-74873-20	RG-20	Total/NA	Solid	Moisture	
500-74873-21	RG-21	Total/NA	Solid	Moisture	
500-74873-22	RG-22	Total/NA	Solid	Moisture	
500-74873-23	RG-24	Total/NA	Solid	Moisture	
500-74873-24	RG-23	Total/NA	Solid	Moisture	
500-74873-25	DUP-01	Total/NA	Solid	Moisture	

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

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)										
500-74873-1	RG-1	0 D	0 D										
500-74873-1 MS	RG-1	0 D	0 D										
500-74873-1 MSD	RG-1	0 D	0 D										
500-74873-2	RG-2	80	110										
500-74873-3	RG-3	111	135										
500-74873-4	RG-4	86	106										
500-74873-5	RG-5	0 D	0 D										
500-74873-6	RG-6	89	109										
500-74873-7	RG-7	103	97										
500-74873-8	RG-8	0 D	0 D										
500-74873-9	RG-9	61	100										
500-74873-10	RG-10	80	122										
500-74873-11	RG-11	0 D	0 D										
500-74873-12	RG-12	86	104										
500-74873-13	RG-13	0 D	0 D										
500-74873-14	RG-14	93	110										
500-74873-15	RG-15	60	104										
500-74873-16	RG-16	0 D	0 D										
500-74873-17	RG-17	86	128										
500-74873-18	RG-18	0 D	0 D										
500-74873-19	RG-19	0 D	0 D										
500-74873-20	RG-20	0 D	0 D										
500-74873-21	RG-21	86	109										
500-74873-22	RG-22	82	99										
500-74873-23	RG-24	96	92										
500-74873-24	RG-23	0 D	0 D										
500-74873-25	DUP-01	76	89										
LCS 500-231085/2-A	Lab Control Sample	103	112										
LCS 500-231711/2-A	Lab Control Sample	90	118										
MB 500-231085/1-A	Method Blank	106	111										
MB 500-231711/1-A	Method Blank	88	121										

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 500-231085/1-A
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1221	<7.3		17	7.3	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1232	<7.3		17	7.3	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1242	<5.5		17	5.5	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1248	<6.6		17	6.6	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1254	<3.6		17	3.6	ug/Kg		04/11/14 07:04	04/15/14 09:32	1
PCB-1260	<8.2		17	8.2	ug/Kg		04/11/14 07:04	04/15/14 09:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*50 - 116*	*04/11/14 07:04*	*04/15/14 09:32*	*1*
DCB Decachlorobiphenyl	*111*		*48 - 142*	*04/11/14 07:04*	*04/15/14 09:32*	*1*

Lab Sample ID: LCS 500-231085/2-A
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	158		ug/Kg		95	59 - 110		
PCB-1260			167	169		ug/Kg		101	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*103*		*50 - 116*
DCB Decachlorobiphenyl	*112*		*48 - 142*

Lab Sample ID: 500-74873-1 MS
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: RG-1
Prep Type: Total/NA
Prep Batch: 231085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<820		234	<830		ug/Kg	☼	NC	59 - 110		
PCB-1260	<1100		234	<1200		ug/Kg	☼	NC	69 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*

Lab Sample ID: 500-74873-1 MSD
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: RG-1
Prep Type: Total/NA
Prep Batch: 231085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<820		223	<790		ug/Kg	☼	NC	59 - 110	NC	30
PCB-1260	<1100		223	<1100		ug/Kg	☼	NC	69 - 120	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*

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

Lab Sample ID: MB 500-231711/1-A
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1221	<7.3		17	7.3	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1232	<7.3		17	7.3	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1242	<5.5		17	5.5	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1248	<6.6		17	6.6	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1254	<3.6		17	3.6	ug/Kg		04/15/14 18:50	04/16/14 09:08	1
PCB-1260	<8.2		17	8.2	ug/Kg		04/15/14 18:50	04/16/14 09:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*50 - 116*	*04/15/14 18:50*	*04/16/14 09:08*	*1*
DCB Decachlorobiphenyl	*121*		*48 - 142*	*04/15/14 18:50*	*04/16/14 09:08*	*1*

Lab Sample ID: LCS 500-231711/2-A
Matrix: Solid
Analysis Batch: 231578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	152		ug/Kg		91	59 - 110		
PCB-1260			167	175		ug/Kg		105	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*50 - 116*
DCB Decachlorobiphenyl	*118*		*48 - 142*

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-1

Lab Sample ID: 500-74873-1

Date Collected: 04/09/14 11:35
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		100	231578	04/15/14 15:28	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-2

Lab Sample ID: 500-74873-2

Date Collected: 04/09/14 11:36
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 16:09	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-3

Lab Sample ID: 500-74873-3

Date Collected: 04/09/14 11:37
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		5	231578	04/15/14 16:22	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-4

Lab Sample ID: 500-74873-4

Date Collected: 04/09/14 11:38
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 16:36	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-5

Lab Sample ID: 500-74873-5

Date Collected: 04/09/14 11:39
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 11:22	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-6

Lab Sample ID: 500-74873-6

Date Collected: 04/09/14 11:40
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 16:50	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-7

Lab Sample ID: 500-74873-7

Date Collected: 04/09/14 12:40
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 17:03	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-8

Lab Sample ID: 500-74873-8

Date Collected: 04/09/14 12:41
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 69.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		200	231578	04/15/14 17:17	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-9

Lab Sample ID: 500-74873-9

Date Collected: 04/09/14 12:42
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 17:31	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-10

Lab Sample ID: 500-74873-10

Date Collected: 04/09/14 12:43
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 17:44	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-11

Lab Sample ID: 500-74873-11

Date Collected: 04/09/14 12:44
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 12:57	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-12

Lab Sample ID: 500-74873-12

Date Collected: 04/09/14 12:45
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 17:58	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-13

Lab Sample ID: 500-74873-13

Date Collected: 04/09/14 12:46
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 13:25	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-14

Lab Sample ID: 500-74873-14

Date Collected: 04/09/14 12:47
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/16/14 08:54	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-15

Lab Sample ID: 500-74873-15

Date Collected: 04/09/14 12:48
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		1	231578	04/15/14 18:25	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-16

Lab Sample ID: 500-74873-16

Date Collected: 04/09/14 12:49
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 60.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 14:06	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-17

Lab Sample ID: 500-74873-17

Date Collected: 04/09/14 12:50
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		5	231578	04/15/14 18:39	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-18

Lab Sample ID: 500-74873-18

Date Collected: 04/09/14 12:51
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 68.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		500	231578	04/15/14 18:53	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-19

Lab Sample ID: 500-74873-19

Date Collected: 04/09/14 12:52
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 14:47	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-20

Lab Sample ID: 500-74873-20

Date Collected: 04/09/14 13:05
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 68.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231085	04/11/14 07:04	STW	TAL CHI
Total/NA	Analysis	8082		20	231578	04/15/14 15:00	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Client Sample ID: RG-21

Lab Sample ID: 500-74873-21

Date Collected: 04/09/14 13:06
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231711	04/15/14 18:50	DEA	TAL CHI
Total/NA	Analysis	8082		1	231578	04/16/14 11:39	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-22

Lab Sample ID: 500-74873-22

Date Collected: 04/09/14 13:07
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231711	04/15/14 18:50	DEA	TAL CHI
Total/NA	Analysis	8082		1	231578	04/16/14 11:52	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-24

Lab Sample ID: 500-74873-23

Date Collected: 04/09/14 13:09
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231711	04/15/14 18:50	DEA	TAL CHI
Total/NA	Analysis	8082		1	231578	04/16/14 12:06	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: RG-23

Lab Sample ID: 500-74873-24

Date Collected: 04/09/14 13:09
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231711	04/15/14 18:50	DEA	TAL CHI
Total/NA	Analysis	8082		100	231578	04/16/14 14:09	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Client Sample ID: DUP-01

Lab Sample ID: 500-74873-25

Date Collected: 04/09/14 00:00
Matrix: Solid
Date Received: 04/10/14 10:54
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			231711	04/15/14 18:50	DEA	TAL CHI
Total/NA	Analysis	8082		1	231578	04/16/14 12:33	GMO	TAL CHI
Total/NA	Analysis	Moisture		1	231185	04/11/14 14:06	LWN	TAL CHI

Laboratory References:

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

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: MadisonKipp - WI001368.17.1

TestAmerica Job ID: 500-74873-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-74873 COC

Chain of Custody Record

Lab Job #: 500-74873

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 3.3

(optional) Report To	(optional) Bill To
Contact: Jennine Trask	Contact:
Company: ARCADIS	Company:
Address:	Address:
Address:	Address:
Phone: 414-276-7742	Phone:
Fax:	Fax:
E-Mail: jennine.trask@arcadis-us.com	PO#/Reference#

Client	Client Project #	Preservative	7
ARCADIS	WI001368.17.1		
Project Name: Madison Kipp		Parameter	RUSH 8082
Project Location/State: Madison, WI	Lab Project #		
Sampler: J. Reed / I. Renfrew	Lab PM		

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	RUSH 8082	Comments
1		RG-1	4/9/13	11:35	1	SO	X	
2		RG-2		11:36	1		X	
3		RG-3		11:37	1		X	
4		RG-4		11:38	1		X	
5		RG-5		11:39	1		X	
6		RG-6		11:40	1		X	
7		RG-7		12:40	1		X	
8		RG-8		12:41	1		X	
9		RG-9		12:42	1		X	
10		RG-10		12:43	1		X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	ARCADIS	4/10/14	1054		TAL	4/10/14	1054
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: Jeanine Trask
Company: ARCADIS
Address:
Address:
Phone: 414-276-7742
Fax:
E-Mail: jeanine.trask@arcadis-us.com

(optional)

Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74873

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: ARCADIS
Client Project #: W2001368.17.1
Project Name: Madison Kipp
Project Location/State: Madison, WI
Lab Project #:
Sampler: J. Reed / I. Renfrew
Lab PM:

Preservative: 7
Parameter: RCRA 8082

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	RCRA 8082	Comments
11	X	RG-11	4/9/14	12:44	1	SO	X	MS/MSD
12		RG-12		12:45	1		X	
13		RG-13		12:46	1		X	
14		RG-14		12:47	1		X	
15		RG-15		12:48	1		X	
16		RG-16		12:49	1		X	
17		RG-17		12:50	1		X	
18		RG-18		12:51	1		X	
19		RG-19		12:52	1		X	
20		RG-20		13:05	1		X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	ARCADIS	4/10/14	1054		TAL	4/10/14	1054
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74823

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler:

(optional) Report To	(optional) Bill To
Contact: Jennine Trask	Contact:
Company: ARCADIS	Company:
Address:	Address:
Address:	Address:
Phone: 414-276-7742	Phone:
Fax:	Fax:
E-Mail: jennine.trask@arcadis-us.com	PO#/Reference#

Client	Client Project #	Preservative	7								
ARCADIS	WI001368.12.1										
Project Name: Madison Kipp		Parameter									
Project Location/State: Madison, WI	Lab Project #										
Sampler: J. Reed / I. Rentrew	Lab PM										

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix		Comments
21		RG-21	4/9/14	1306	1	SO	X	
22		RG-22		1307	1		X	
23		RG-23		1308	1		X	RG-24 Black Tube
24		RG-24		1309	1		X	
25		DUP-01		—	1		X	Duplicate

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	ARCADIS	4/10/14	1054		TAL	04/10/14	1054
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier ☐
Shipped ☐
Hand Delivered X

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

4/16/2014

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-74873-1

Login Number: 74873

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	3.3
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	