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: 500-102389-1
Client Project/Site: Bike Path

For:
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin 53704

Attn: Alina Satkoski

Sandie Fredrick

Authorized for release by:
10/14/2015 10:26:45 AM

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Case Narrative

Client: Madison-Kipp Corporation
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Laboratory: TestAmerica Chicago

Narrative

Job Narrative
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Comments
No additional comments.

Receipt
The samples were received on 10/9/2015 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2º C.

GC Semi VOA
Method(s) 8082A: The following samples required a dilution due to the nature of the sample matrix: BP-SIDE-1 (500-102389-1), BP-SIDE-4 (500-102389-4), BP-BOT-6 (500-102389-6), BP-SIDE-7 (500-102389-7), BP-BOT-9 (500-102389-9), BP-SIDE-10 (500-102389-10) and BP-SIDE-11 (500-102389-11). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: BP-SIDE-1 (500-102389-1), BP-BOT-3 (500-102389-3), BP-BOT-3 (500-102389-3[MS]), BP-BOT-3 (500-102389-3[MSD]), BP-SIDE-4 (500-102389-4), BP-SIDE-5 (500-102389-5), BP-BOT-6 (500-102389-6), BP-SIDE-7 (500-102389-7), BP-SIDE-8 (500-102389-8), BP-BOT-9 (500-102389-9), BP-SIDE-10 (500-102389-10) and BP-SIDE-11 (500-102389-11). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The TCX surrogate recovery for the following sample was outside control limits: BP-SIDE-5 (500-102389-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Detection Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-1 — Lab Sample ID: 500-102389-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	6900		1000	390	ug/Kg	50	☼	8082A	Total/NA
PCB-1254	1900		1000	220	ug/Kg	50	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-2 — Lab Sample ID: 500-102389-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	50		20	7.9	ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: BP-BOT-3 — Lab Sample ID: 500-102389-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	680		210	84	ug/Kg	10	☼	8082A	Total/NA
PCB-1254	340		210	46	ug/Kg	10	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-4 — Lab Sample ID: 500-102389-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	220000		20000	7700	ug/Kg	1000	☼	8082A	Total/NA
PCB-1254	60000		20000	4200	ug/Kg	1000	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-5 — Lab Sample ID: 500-102389-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	620		200	77	ug/Kg	10	☼	8082A	Total/NA
PCB-1254	160	J	200	42	ug/Kg	10	☼	8082A	Total/NA

Client Sample ID: BP-BOT-6 — Lab Sample ID: 500-102389-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	120000		21000	8300	ug/Kg	1000	☼	8082A	Total/NA
PCB-1254	53000		21000	4500	ug/Kg	1000	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-7 — Lab Sample ID: 500-102389-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	420000		20000	7900	ug/Kg	1000	☼	8082A	Total/NA
PCB-1254	99000		20000	4300	ug/Kg	1000	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-8 — Lab Sample ID: 500-102389-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	700		97	38	ug/Kg	5	☼	8082A	Total/NA
PCB-1254	240		97	21	ug/Kg	5	☼	8082A	Total/NA

Client Sample ID: BP-BOT-9 — Lab Sample ID: 500-102389-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	29000		10000	2200	ug/Kg	500	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-10 — Lab Sample ID: 500-102389-10

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-10 (Continued) — Lab Sample ID: 500-102389-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	54000		10000	4100	ug/Kg	500	☼	8082A	Total/NA
PCB-1254	47000		10000	2200	ug/Kg	500	☼	8082A	Total/NA

Client Sample ID: BP-SIDE-11 — Lab Sample ID: 500-102389-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	280000		22000	8500	ug/Kg	1000	☼	8082A	Total/NA
PCB-1254	82000		22000	4700	ug/Kg	1000	☼	8082A	Total/NA

Client Sample ID: DUP — Lab Sample ID: 500-102389-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	63		20	7.8	ug/Kg	1	☼	8082A	Total/NA
PCB-1254	18	J	20	4.3	ug/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Method	Method Description	Protocol	Laboratory
8082A	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: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102389-1	BP-SIDE-1	Solid	10/07/15 11:50	10/09/15 09:35
500-102389-2	BP-SIDE-2	Solid	10/07/15 14:50	10/09/15 09:35
500-102389-3	BP-BOT-3	Solid	10/07/15 14:55	10/09/15 09:35
500-102389-4	BP-SIDE-4	Solid	10/07/15 15:00	10/09/15 09:35
500-102389-5	BP-SIDE-5	Solid	10/07/15 17:10	10/09/15 09:35
500-102389-6	BP-BOT-6	Solid	10/07/15 17:15	10/09/15 09:35
500-102389-7	BP-SIDE-7	Solid	10/07/15 17:20	10/09/15 09:35
500-102389-8	BP-SIDE-8	Solid	10/08/15 09:20	10/09/15 09:35
500-102389-9	BP-BOT-9	Solid	10/08/15 09:25	10/09/15 09:35
500-102389-10	BP-SIDE-10	Solid	10/08/15 09:30	10/09/15 09:35
500-102389-11	BP-SIDE-11	Solid	10/08/15 15:15	10/09/15 09:35
500-102389-12	DUP	Solid	10/07/15 00:00	10/09/15 09:35

Client Sample Results

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-1
Date Collected: 10/07/15 11:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-1
Matrix: Solid
Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<350		1000	350	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1221	<440		1000	440	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1232	<440		1000	440	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1242	<330		1000	330	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1248	**6900**		1000	390	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1254	**1900**		1000	220	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50
PCB-1260	<490		1000	490	ug/Kg	☼	10/12/15 15:51	10/13/15 16:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 16:38*	*50*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 16:38*	*50*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-2
Date Collected: 10/07/15 14:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-2
Matrix: Solid
Percent Solids: 81.3

Method: 8082A - 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	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1232	<8.8		20	8.8	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1242	<6.6		20	6.6	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1248	**50**		20	7.9	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1254	<4.3		20	4.3	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1
PCB-1260	<9.9		20	9.9	ug/Kg	☼	10/12/15 15:51	10/13/15 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*54*		*50 - 116*	*10/12/15 15:51*	*10/13/15 11:27*	*1*
DCB Decachlorobiphenyl	*82*		*48 - 142*	*10/12/15 15:51*	*10/13/15 11:27*	*1*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-BOT-3
Date Collected: 10/07/15 14:55
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-3
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<75	F1 F2	210	75	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1221	<93		210	93	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1232	<92		210	92	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1242	<70		210	70	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1248	**680**		210	84	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1254	**340**		210	46	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10
PCB-1260	<100	F1 F2	210	100	ug/Kg	☼	10/12/15 15:51	10/13/15 16:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*64*		*50 - 116*	*10/12/15 15:51*	*10/13/15 16:53*	*10*
DCB Decachlorobiphenyl	*84*		*48 - 142*	*10/12/15 15:51*	*10/13/15 16:53*	*10*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-4
Date Collected: 10/07/15 15:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-4
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6900		20000	6900	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1221	<8600		20000	8600	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1232	<8600		20000	8600	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1242	<6400		20000	6400	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1248	**220000**		20000	7700	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1254	**60000**		20000	4200	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000
PCB-1260	<9600		20000	9600	ug/Kg	☼	10/12/15 15:51	10/13/15 17:40	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 17:40*	*1000*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 17:40*	*1000*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-5
Date Collected: 10/07/15 17:10
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-5
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<69		200	69	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1221	<86		200	86	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1232	<86		200	86	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1242	<64		200	64	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1248	**620**		200	77	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1254	**160**	**J**	200	42	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10
PCB-1260	<96		200	96	ug/Kg	☼	10/12/15 15:51	10/13/15 17:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*34*	*X*	*50 - 116*	*10/12/15 15:51*	*10/13/15 17:55*	*10*
DCB Decachlorobiphenyl	*49*		*48 - 142*	*10/12/15 15:51*	*10/13/15 17:55*	*10*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-BOT-6
Date Collected: 10/07/15 17:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-6
Matrix: Solid
Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7400		21000	7400	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1221	<9300		21000	9300	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1232	<9200		21000	9200	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1242	<6900		21000	6900	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1248	**120000**		21000	8300	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1254	**53000**		21000	4500	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000
PCB-1260	<10000		21000	10000	ug/Kg	☼	10/12/15 15:51	10/13/15 18:11	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 18:11*	*1000*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 18:11*	*1000*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-7
Date Collected: 10/07/15 17:20
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-7
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7100		20000	7100	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1221	<8800		20000	8800	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1232	<8700		20000	8700	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1242	<6600		20000	6600	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1248	**420000**		20000	7900	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1254	**99000**		20000	4300	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000
PCB-1260	<9800		20000	9800	ug/Kg	☼	10/12/15 15:51	10/13/15 18:27	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 18:27*	*1000*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 18:27*	*1000*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-8
Date Collected: 10/08/15 09:20
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-8
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<34		97	34	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1221	<42		97	42	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1232	<42		97	42	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1242	<32		97	32	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1248	**700**		97	38	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1254	**240**		97	21	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5
PCB-1260	<47		97	47	ug/Kg	☼	10/12/15 15:51	10/13/15 18:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*50 - 116*	*10/12/15 15:51*	*10/13/15 18:42*	*5*
DCB Decachlorobiphenyl	*104*		*48 - 142*	*10/12/15 15:51*	*10/13/15 18:42*	*5*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-BOT-9
Date Collected: 10/08/15 09:25
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-9
Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<3600		10000	3600	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1221	<4500		10000	4500	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1232	<4500		10000	4500	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1242	<3400		10000	3400	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1248	<4100		10000	4100	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1254	**29000**		10000	2200	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500
PCB-1260	<5100		10000	5100	ug/Kg	☼	10/12/15 15:51	10/13/15 18:57	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 18:57*	*500*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 18:57*	*500*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-10
Date Collected: 10/08/15 09:30
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-10
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<3700		10000	3700	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1221	<4600		10000	4600	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1232	<4500		10000	4500	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1242	<3400		10000	3400	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1248	**54000**		10000	4100	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1254	**47000**		10000	2200	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500
PCB-1260	<5100		10000	5100	ug/Kg	☼	10/12/15 15:51	10/13/15 19:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 19:13*	*500*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 19:13*	*500*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-11
Date Collected: 10/08/15 15:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-11
Matrix: Solid
Percent Solids: 73.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7700		22000	7700	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1221	<9500		22000	9500	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1232	<9400		22000	9400	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1242	<7100		22000	7100	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1248	**280000**		22000	8500	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1254	**82000**		22000	4700	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000
PCB-1260	<11000		22000	11000	ug/Kg	☼	10/12/15 15:51	10/13/15 14:18	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*50 - 116*	*10/12/15 15:51*	*10/13/15 14:18*	*1000*
DCB Decachlorobiphenyl	*0*	*D*	*48 - 142*	*10/12/15 15:51*	*10/13/15 14:18*	*1000*

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: DUP
Date Collected: 10/07/15 00:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-12
Matrix: Solid
Percent Solids: 80.6

Method: 8082A - 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	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1221	<8.8		20	8.8	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1232	<8.7		20	8.7	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1242	<6.5		20	6.5	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1248	**63**		20	7.8	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1254	**18**	**J**	20	4.3	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1
PCB-1260	<9.8		20	9.8	ug/Kg	☼	10/12/15 15:51	10/13/15 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*50 - 116*	*10/12/15 15:51*	*10/13/15 19:29*	*1*
DCB Decachlorobiphenyl	*96*		*48 - 142*	*10/12/15 15:51*	*10/13/15 19:29*	*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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Glossary

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

QC Association Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

GC Semi VOA

Prep Batch: 307860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-102389-1	BP-SIDE-1	Total/NA	Solid	3541	
500-102389-2	BP-SIDE-2	Total/NA	Solid	3541	
500-102389-3	BP-BOT-3	Total/NA	Solid	3541	
500-102389-3 MS	BP-BOT-3	Total/NA	Solid	3541	
500-102389-3 MSD	BP-BOT-3	Total/NA	Solid	3541	
500-102389-4	BP-SIDE-4	Total/NA	Solid	3541	
500-102389-5	BP-SIDE-5	Total/NA	Solid	3541	
500-102389-6	BP-BOT-6	Total/NA	Solid	3541	
500-102389-7	BP-SIDE-7	Total/NA	Solid	3541	
500-102389-8	BP-SIDE-8	Total/NA	Solid	3541	
500-102389-9	BP-BOT-9	Total/NA	Solid	3541	
500-102389-10	BP-SIDE-10	Total/NA	Solid	3541	
500-102389-11	BP-SIDE-11	Total/NA	Solid	3541	
500-102389-12	DUP	Total/NA	Solid	3541	
LCS 500-307860/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-307860/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 307932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-102389-1	BP-SIDE-1	Total/NA	Solid	8082A	307860
500-102389-2	BP-SIDE-2	Total/NA	Solid	8082A	307860
500-102389-3	BP-BOT-3	Total/NA	Solid	8082A	307860
500-102389-3 MS	BP-BOT-3	Total/NA	Solid	8082A	307860
500-102389-3 MSD	BP-BOT-3	Total/NA	Solid	8082A	307860
500-102389-4	BP-SIDE-4	Total/NA	Solid	8082A	307860
500-102389-5	BP-SIDE-5	Total/NA	Solid	8082A	307860
500-102389-6	BP-BOT-6	Total/NA	Solid	8082A	307860
500-102389-7	BP-SIDE-7	Total/NA	Solid	8082A	307860
500-102389-8	BP-SIDE-8	Total/NA	Solid	8082A	307860
500-102389-9	BP-BOT-9	Total/NA	Solid	8082A	307860
500-102389-10	BP-SIDE-10	Total/NA	Solid	8082A	307860
500-102389-11	BP-SIDE-11	Total/NA	Solid	8082A	307860
500-102389-12	DUP	Total/NA	Solid	8082A	307860
LCS 500-307860/2-A	Lab Control Sample	Total/NA	Solid	8082A	307860
MB 500-307860/1-A	Method Blank	Total/NA	Solid	8082A	307860

General Chemistry

Analysis Batch: 307653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-102389-1	BP-SIDE-1	Total/NA	Solid	Moisture	
500-102389-2	BP-SIDE-2	Total/NA	Solid	Moisture	
500-102389-3	BP-BOT-3	Total/NA	Solid	Moisture	
500-102389-4	BP-SIDE-4	Total/NA	Solid	Moisture	
500-102389-5	BP-SIDE-5	Total/NA	Solid	Moisture	
500-102389-6	BP-BOT-6	Total/NA	Solid	Moisture	
500-102389-7	BP-SIDE-7	Total/NA	Solid	Moisture	
500-102389-8	BP-SIDE-8	Total/NA	Solid	Moisture	
500-102389-9	BP-BOT-9	Total/NA	Solid	Moisture	
500-102389-10	BP-SIDE-10	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 307653 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-102389-11	BP-SIDE-11	Total/NA	Solid	Moisture	
500-102389-12	DUP	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TCX1 (50-116)	DCB1 (48-142)								
500-102389-1	BP-SIDE-1	0 D	0 D								
500-102389-2	BP-SIDE-2	54	82								
500-102389-3	BP-BOT-3	64	84								
500-102389-3 MS	BP-BOT-3	54	74								
500-102389-3 MSD	BP-BOT-3	74	85								
500-102389-4	BP-SIDE-4	0 D	0 D								
500-102389-5	BP-SIDE-5	34 X	49								
500-102389-6	BP-BOT-6	0 D	0 D								
500-102389-7	BP-SIDE-7	0 D	0 D								
500-102389-8	BP-SIDE-8	82	104								
500-102389-9	BP-BOT-9	0 D	0 D								
500-102389-10	BP-SIDE-10	0 D	0 D								
500-102389-11	BP-SIDE-11	0 D	0 D								
500-102389-12	DUP	60	96								
LCS 500-307860/2-A	Lab Control Sample	77	84								
MB 500-307860/1-A	Method Blank	83	91								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 500-307860/1-A
Matrix: Solid
Analysis Batch: 307932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 307860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1221	<7.3		17	7.3	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1232	<7.3		17	7.3	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1242	<5.5		17	5.5	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1248	<6.6		17	6.6	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1254	<3.6		17	3.6	ug/Kg		10/12/15 15:51	10/13/15 10:25	1
PCB-1260	<8.2		17	8.2	ug/Kg		10/12/15 15:51	10/13/15 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*50 - 116*	*10/12/15 15:51*	*10/13/15 10:25*	*1*
DCB Decachlorobiphenyl	*91*		*48 - 142*	*10/12/15 15:51*	*10/13/15 10:25*	*1*

Lab Sample ID: LCS 500-307860/2-A
Matrix: Solid
Analysis Batch: 307932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 307860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	135		ug/Kg		81	59 - 110		
PCB-1260			167	143		ug/Kg		86	69 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*77*		*50 - 116*
DCB Decachlorobiphenyl	*84*		*48 - 142*

Lab Sample ID: 500-102389-3 MS
Matrix: Solid
Analysis Batch: 307932

Client Sample ID: BP-BOT-3
Prep Type: Total/NA
Prep Batch: 307860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<75	F1 F2	211	406	F1	ug/Kg	☼	192	59 - 110		
PCB-1260	<100	F1 F2	211	226		ug/Kg	☼	107	69 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*54*		*50 - 116*
DCB Decachlorobiphenyl	*74*		*48 - 142*

Lab Sample ID: 500-102389-3 MSD
Matrix: Solid
Analysis Batch: 307932

Client Sample ID: BP-BOT-3
Prep Type: Total/NA
Prep Batch: 307860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<75	F1 F2	202	2550	E F1 F2	ug/Kg	☼	1263	59 - 110	145	30
PCB-1260	<100	F1 F2	202	422	F1 F2	ug/Kg	☼	209	69 - 120	61	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*74*		*50 - 116*
DCB Decachlorobiphenyl	*85*		*48 - 142*

Lab Chronicle

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-1
Date Collected: 10/07/15 11:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-1
Date Collected: 10/07/15 11:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-1
Matrix: Solid
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		50	307932	10/13/15 16:38	RLL	TAL CHI

Client Sample ID: BP-SIDE-2
Date Collected: 10/07/15 14:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-2
Date Collected: 10/07/15 14:50
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-2
Matrix: Solid
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1	307932	10/13/15 11:27	RLL	TAL CHI

Client Sample ID: BP-BOT-3
Date Collected: 10/07/15 14:55
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-BOT-3
Date Collected: 10/07/15 14:55
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-3
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			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		10	307932	10/13/15 16:53	RLL	TAL CHI

Lab Chronicle

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-4
Date Collected: 10/07/15 15:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-4
Date Collected: 10/07/15 15:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-4
Matrix: Solid
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1000	307932	10/13/15 17:40	RLL	TAL CHI

Client Sample ID: BP-SIDE-5
Date Collected: 10/07/15 17:10
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-5
Date Collected: 10/07/15 17:10
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-5
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		10	307932	10/13/15 17:55	RLL	TAL CHI

Client Sample ID: BP-BOT-6
Date Collected: 10/07/15 17:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-BOT-6
Date Collected: 10/07/15 17:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-6
Matrix: Solid
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1000	307932	10/13/15 18:11	RLL	TAL CHI

Lab Chronicle

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-7
Lab Sample ID: 500-102389-7
Date Collected: 10/07/15 17:20
Matrix: Solid
Date Received: 10/09/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-7
Lab Sample ID: 500-102389-7
Date Collected: 10/07/15 17:20
Matrix: Solid
Date Received: 10/09/15 09:35
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1000	307932	10/13/15 18:27	RLL	TAL CHI

Client Sample ID: BP-SIDE-8
Lab Sample ID: 500-102389-8
Date Collected: 10/08/15 09:20
Matrix: Solid
Date Received: 10/09/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-8
Lab Sample ID: 500-102389-8
Date Collected: 10/08/15 09:20
Matrix: Solid
Date Received: 10/09/15 09:35
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		5	307932	10/13/15 18:42	RLL	TAL CHI

Client Sample ID: BP-BOT-9
Lab Sample ID: 500-102389-9
Date Collected: 10/08/15 09:25
Matrix: Solid
Date Received: 10/09/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-BOT-9
Lab Sample ID: 500-102389-9
Date Collected: 10/08/15 09:25
Matrix: Solid
Date Received: 10/09/15 09:35
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		500	307932	10/13/15 18:57	RLL	TAL CHI

Lab Chronicle

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Client Sample ID: BP-SIDE-10
Date Collected: 10/08/15 09:30
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-10
Date Collected: 10/08/15 09:30
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-10
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			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		500	307932	10/13/15 19:13	RLL	TAL CHI

Client Sample ID: BP-SIDE-11
Date Collected: 10/08/15 15:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: BP-SIDE-11
Date Collected: 10/08/15 15:15
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-11
Matrix: Solid
Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1000	307932	10/13/15 14:18	RLL	TAL CHI

Client Sample ID: DUP
Date Collected: 10/07/15 00:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	307653	10/09/15 14:55	LWN	TAL CHI

Client Sample ID: DUP
Date Collected: 10/07/15 00:00
Date Received: 10/09/15 09:35

Lab Sample ID: 500-102389-12
Matrix: Solid
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			307860	10/12/15 15:51	DEA	TAL CHI
Total/NA	Analysis	8082A		1	307932	10/13/15 19:29	RLL	TAL CHI

Laboratory References:

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

Certification Summary

Client: Madison-Kipp Corporation
Project/Site: Bike Path

TestAmerica Job ID: 500-102389-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-102389 COC

Chain of Custody Record

Lab Job #: 500-102389

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 5.2

Report To (optional)	Bill To (optional)
Contact: Alina Satkoski	Contact:
Company: MKC	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: asatkoski@madison-kipp.com	PO#/Reference# 106985

Client	Client Project #
MKC	
Project Name: Bike Path	
Project Location/State: Madison, WI	Lab Project #
Sampler: Alina Satkoski	Lab PM: Sandie Freanick

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	Preservative	Parameter								Comments
							7	PCBs								
1		BP-SIDE-1	10/7/15	1150	1	S										
2		BP-SIDE-2	10/7/15	1450	1	S										
3	X	BP-BOT-3	10/7/15	1455	1	S										
4		BP-SIDE-4	10/7/15	1500	1	S										
5		BP-SIDE-5	10/7/15	1710	1	S										
6		BP-BOT-6	10/7/15	1715	1	S										
7		BP-SIDE-7	10/7/15	1720	1	S										
8		BP-SIDE-8	10/8/15	920	1	S										
9		BP-BOT-9	10/8/15	925	1	S										
10		BP-SIDE-10	10/8/15	930	1	S										

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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
Alina Satkoski	MKC	10/8/15	16:00	Allen Scott	TA-CHPT	10/9/15	09:35

Lab Courier
Shipped Fed X
Hand Delivered

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

Client Comments

Lab Comments:

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:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 100985

Chain of Custody Record

Lab Job #: 500-102389
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: MKC
Client Project #:
Project Name: Bike Path
Project Location/State: Madison, WI
Lab Project #:
Sampler: Alina Sattoski
Lab PM: Sarah Fredrick

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	Preservative	Parameter	Preservative								Comments
								PCBs	7	7							
11		BP-SIDE-11	10/8/15	1515	1	S	X										
12		DUP	—	—	1	S	X										

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 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
Alina Sattoski	MKE	10/8/15	1600	Sheri Scott	TA-CHI	10/9/15	0935

Lab Courier
Shipped Fed Ex
Hand Delivered

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-102389-1

Login Number: 102389
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

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	5.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	