



Post Office Box 8043
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**Madison-Kipp
Corporation**

201 Waubesa Street
Madison, WI 53704-5728

July 6, 2016

James Brodzeller
Wastewater Specialist
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Rd.
Fitchburg, WI 53711

Subject: Discharge Monitoring Report - Groundwater Extraction and Treatment System,
Madison Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin

Dear Mr. Brodzeller,

The Groundwater Extraction and Treatment System (GETS) ran for the month of June, with the exception of routine maintenance activities. This letter summarizes the activities completed in June 2016 as part of the GETS at the Madison Kipp Corporation (MKC) site under the Wisconsin Pollution Discharge Elimination System (WPDES) Permit WI-0046566-6. Compliance samples were collected on June 7, 2016 per the WPDES permit, including visual monitoring for sodium permanganate neutralization. The compliance sample results were below the WPDES discharge limits. The Discharge Monitoring Report is included as Attachment A and laboratory reports are included as Attachment B.

During the month of June, the GETS shut down in order to change out the hydrogen peroxide tank and to install a new hydrogen peroxide tank allowing us to avoid shutting the system down for tank exchanges. If you have any questions or need additional information, please contact me at asatkoski@madison-kipp.com or (608) 242-5200.

Alina Satkoski

Madison Kipp Corporation

Attachment A Discharge Monitoring Report Form

Attachment B Laboratory Reports

Copies:

Andrew Stehn - TRC (electronic)

Mike Schmoller - WDNR (electronic)

Wendy Weihemuller - WDNR (electronic)

George Parrino - Madison Department of Health (electronic)

FOOTNOTES:

- (1) Total BETX is the sum of the benzene, ethylbenzene, toluene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.
- (2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted
- (3) Madison Kipp/Arcadis/TRC will conduct visual monitoring for this compound.
- (4) No effluent limit is established, refer to section 4 of the permit.
- (5) Compound was found in the blank and in the sample.
- (6) Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
- (7) Matrix Spike and/or Matrix Spike Duplicate Recovery is outside acceptance limits.

DIRECTIONS:

- ☞ For "Outfall # and Description" enter the number of the outfall you are reporting (001 or 002, etc.)
- ☞ Monitoring for a given parameter depends on if the discharge is to surface water or groundwater.
- ☞ The value entered must be the highest value of all samples analyzed for that day.
- ☞ Print additional DMRs as necessary for monthly reporting.

RETURN REPORT BY: **February 15, of the year following completion of monitoring**

RETURN TO: **ATTN: Nicholas Bertolas**
Department of Natural Resources
3911 Fish Hatchery Rd.
Fitchburg, WI 53711

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Wherever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Alina Lattek:

7-6-2016

Signature of Person Completing Form

Date

Alina Lattek:

7-6-2016

Signature of Principal Exec. or Authorized Agent

Date

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: 500-112671-1

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

6/10/2016 4:43:53 PM

Shali Brown, Project Manager II

(615)301-5031

shali.brown@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

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www.testamericainc.com

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Job ID: 500-112671-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-112671-1

Comments

No additional comments.

Receipt

The samples were received on 6/8/2016 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

GC/MS VOA

Method(s) 624: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (500-112671-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Detection Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Client Sample ID: Influent

Lab Sample ID: 500-112671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	1500		20	7.4	ug/L	20		624	Total/NA
Chloride	100		4.0	1.5	mg/L	20		300.0	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 500-112671-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	36		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	5.4		0.50	0.16	ug/L	1		624	Total/NA
Chloride	98		4.0	1.5	mg/L	20		300.0	Total/NA
Total Suspended Solids	5.5		5.0	2.5	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-112671-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
1664B	HEM and SGT-HEM	1664B	TAL CHI
300.0	Anions, Ion Chromatography	MCAWW	TAL CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI

Protocol References:

1664B = 1664B

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-112671-1	Influent	Water	06/07/16 07:20	06/08/16 10:15
500-112671-2	Effluent	Water	06/07/16 07:25	06/08/16 10:15
500-112671-3	Trip Blank	Water	06/07/16 00:00	06/08/16 10:15

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Client Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Client Sample ID: Influent

Date Collected: 06/07/16 07:20

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.29		1.0	0.29	ug/L			06/09/16 11:05	2
Bromoform	<0.89		2.0	0.89	ug/L			06/09/16 11:05	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			06/09/16 11:05	2
Chloroform	<0.74		2.0	0.74	ug/L			06/09/16 11:05	2
cis-1,2-Dichloroethene	<0.82		2.0	0.82	ug/L			06/09/16 11:05	2
Dichlorobromomethane	<0.74		2.0	0.74	ug/L			06/09/16 11:05	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			06/09/16 11:05	2
1,1-Dichloroethene	<0.78		2.0	0.78	ug/L			06/09/16 11:05	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			06/09/16 11:05	2
Methyl bromide	<1.3		4.0	1.3	ug/L			06/09/16 11:05	2
Methyl chloride	<0.64		2.0	0.64	ug/L			06/09/16 11:05	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			06/09/16 11:05	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			06/09/16 11:05	2
Toluene	<0.30		1.0	0.30	ug/L			06/09/16 11:05	2
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			06/09/16 11:05	2
1,1,1-Trichloroethane	<0.76		2.0	0.76	ug/L			06/09/16 11:05	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			06/09/16 11:05	2
Trichloroethene	<0.33		1.0	0.33	ug/L			06/09/16 11:05	2
Vinyl chloride	<0.41		1.0	0.41	ug/L			06/09/16 11:05	2
Xylenes, Total	<0.80		2.0	0.80	ug/L			06/09/16 11:05	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		71 - 120		06/09/16 11:05	2
1,2-Dichloroethane-d4 (Surr)	83		71 - 127		06/09/16 11:05	2
Toluene-d8 (Surr)	101		75 - 120		06/09/16 11:05	2

Method: 624 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1500		20	7.4	ug/L			06/09/16 10:39	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		71 - 120		06/09/16 10:39	20
1,2-Dichloroethane-d4 (Surr)	85		71 - 127		06/09/16 10:39	20
Toluene-d8 (Surr)	101		75 - 120		06/09/16 10:39	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.5		5.5	1.5	mg/L		06/08/16 17:26	06/08/16 21:18	1
Chloride	100		4.0	1.5	mg/L			06/09/16 10:28	20
Total Suspended Solids	<2.5		5.0	2.5	mg/L			06/09/16 10:27	1

Client Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Client Sample ID: Effluent

Date Collected: 06/07/16 07:25

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/09/16 16:45	1
Bromoform	<0.45		1.0	0.45	ug/L			06/09/16 16:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/16 16:45	1
Chloroform	<0.37		1.0	0.37	ug/L			06/09/16 16:45	1
cis-1,2-Dichloroethene	16		1.0	0.41	ug/L			06/09/16 16:45	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/09/16 16:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/16 16:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/16 16:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/16 16:45	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/09/16 16:45	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/09/16 16:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/16 16:45	1
1,1,1,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/16 16:45	1
Tetrachloroethene	36		1.0	0.37	ug/L			06/09/16 16:45	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/16 16:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/16 16:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/16 16:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/16 16:45	1
Trichloroethene	5.4		0.50	0.16	ug/L			06/09/16 16:45	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/09/16 16:45	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/09/16 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		71 - 120		06/09/16 16:45	1
1,2-Dichloroethane-d4 (Surr)	85		71 - 127		06/09/16 16:45	1
Toluene-d8 (Surr)	101		75 - 120		06/09/16 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.4		5.4	1.4	mg/L		06/08/16 17:39	06/08/16 21:21	1
Chloride	98		4.0	1.5	mg/L			06/09/16 10:40	20
Total Suspended Solids	5.5		5.0	2.5	mg/L			06/09/16 10:29	1

Client Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-112671-3

Date Collected: 06/07/16 00:00

Matrix: Water

Date Received: 06/08/16 10:15

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/09/16 11:57	1
Bromoform	<0.45		1.0	0.45	ug/L			06/09/16 11:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/16 11:57	1
Chloroform	<0.37		1.0	0.37	ug/L			06/09/16 11:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/16 11:57	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/09/16 11:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/16 11:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/16 11:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/16 11:57	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/09/16 11:57	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/09/16 11:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/16 11:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/16 11:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/16 11:57	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/16 11:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/16 11:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/16 11:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/16 11:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/16 11:57	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/09/16 11:57	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/09/16 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		71 - 120		06/09/16 11:57	1
1,2-Dichloroethane-d4 (Surr)	85		71 - 127		06/09/16 11:57	1
Toluene-d8 (Surr)	100		75 - 120		06/09/16 11:57	1

Definitions/Glossary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Qualifiers

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

GC/MS VOA

Analysis Batch: 339094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1 - DL	Influent	Total/NA	Water	624	
500-112671-1	Influent	Total/NA	Water	624	
500-112671-2	Effluent	Total/NA	Water	624	
500-112671-2 MS	Effluent	Total/NA	Water	624	
500-112671-2 MSD	Effluent	Total/NA	Water	624	
500-112671-3	Trip Blank	Total/NA	Water	624	
LCS 500-339094/9	Lab Control Sample	Total/NA	Water	624	
MB 500-339094/8	Method Blank	Total/NA	Water	624	

General Chemistry

Prep Batch: 339014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	1664B	
500-112671-2	Effluent	Total/NA	Water	1664B	
LCS 500-339014/2-A	Lab Control Sample	Total/NA	Water	1664B	
MB 500-339014/1-A	Method Blank	Total/NA	Water	1664B	

Analysis Batch: 339024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	1664B	339014
500-112671-2	Effluent	Total/NA	Water	1664B	339014
LCS 500-339014/2-A	Lab Control Sample	Total/NA	Water	1664B	339014
MB 500-339014/1-A	Method Blank	Total/NA	Water	1664B	339014

Analysis Batch: 339158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	SM 2540D	
500-112671-2	Effluent	Total/NA	Water	SM 2540D	
LCS 500-339158/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 500-339158/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 339307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	300.0	
500-112671-2	Effluent	Total/NA	Water	300.0	
LCS 500-339307/4	Lab Control Sample	Total/NA	Water	300.0	
MB 500-339307/3	Method Blank	Total/NA	Water	300.0	

Surrogate Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (71-120)	12DCE (71-127)	TOL (75-120)
500-112671-1 - DL	Influent	97	85	101
500-112671-1	Influent	102	83	101
500-112671-2	Effluent	101	85	101
500-112671-2 MS	Effluent	99	89	99
500-112671-2 MSD	Effluent	99	86	101
500-112671-3	Trip Blank	98	85	100
LCS 500-339094/9	Lab Control Sample	95	85	101
MB 500-339094/8	Method Blank	98	84	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-339094/8

Matrix: Water

Analysis Batch: 339094

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/09/16 09:47	1
Bromoform	<0.45		1.0	0.45	ug/L			06/09/16 09:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/16 09:47	1
Chloroform	<0.37		1.0	0.37	ug/L			06/09/16 09:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/16 09:47	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/09/16 09:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/16 09:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/16 09:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/16 09:47	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/09/16 09:47	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/09/16 09:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/16 09:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/16 09:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/16 09:47	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/16 09:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/16 09:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/16 09:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/16 09:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/16 09:47	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/09/16 09:47	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/09/16 09:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		71 - 120		06/09/16 09:47	1
1,2-Dichloroethane-d4 (Surr)	84		71 - 127		06/09/16 09:47	1
Toluene-d8 (Surr)	100		75 - 120		06/09/16 09:47	1

Lab Sample ID: LCS 500-339094/9

Matrix: Water

Analysis Batch: 339094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.6		ug/L		97	37 - 151
Bromoform	50.0	44.0		ug/L		88	45 - 169
Carbon tetrachloride	50.0	45.4		ug/L		91	70 - 140
Chloroform	50.0	43.6		ug/L		87	51 - 138
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
Dichlorobromomethane	50.0	43.0		ug/L		86	35 - 155
1,2-Dichloroethane	50.0	43.2		ug/L		86	49 - 155
1,1-Dichloroethene	50.0	47.0		ug/L		94	10 - 234
Ethylbenzene	50.0	49.5		ug/L		99	37 - 162
Methyl bromide	50.0	36.0		ug/L		72	10 - 242
Methyl chloride	50.0	48.6		ug/L		97	10 - 273
m&p-Xylene	50.0	47.0		ug/L		94	
o-Xylene	50.0	48.3		ug/L		97	
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/L		86	46 - 157
Tetrachloroethene	50.0	54.2		ug/L		108	64 - 148
Toluene	50.0	48.0		ug/L		96	47 - 150

TestAmerica Chicago

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-339094/9
Matrix: Water
Analysis Batch: 339094

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	54 - 156
1,1,1-Trichloroethane	50.0	47.2		ug/L		94	52 - 162
1,1,2-Trichloroethane	50.0	45.2		ug/L		90	52 - 150
Trichloroethene	50.0	49.7		ug/L		99	71 - 157
Vinyl chloride	50.0	45.5		ug/L		91	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		71 - 120
1,2-Dichloroethane-d4 (Surr)	85		71 - 127
Toluene-d8 (Surr)	101		75 - 120

Lab Sample ID: 500-112671-2 MS
Matrix: Water
Analysis Batch: 339094

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	49.1		ug/L		98	37 - 151
Bromoform	<0.45		50.0	44.5		ug/L		89	45 - 169
Carbon tetrachloride	<0.38		50.0	45.6		ug/L		91	70 - 140
Chloroform	<0.37		50.0	45.4		ug/L		91	51 - 138
cis-1,2-Dichloroethene	16		50.0	65.9		ug/L		101	70 - 130
Dichlorobromomethane	<0.37		50.0	43.9		ug/L		88	35 - 155
1,2-Dichloroethane	<0.39		50.0	45.1		ug/L		90	49 - 155
1,1-Dichloroethene	<0.39		50.0	47.6		ug/L		95	10 - 234
Ethylbenzene	<0.18		50.0	48.9		ug/L		98	37 - 162
Methyl bromide	<0.65		50.0	36.2		ug/L		72	10 - 242
Methyl chloride	<0.32		50.0	47.6		ug/L		95	10 - 273
m&p-Xylene	<0.40		50.0	46.0		ug/L		92	
o-Xylene	<0.22		50.0	47.9		ug/L		96	
1,1,1,2-Tetrachloroethane	<0.40		50.0	47.4		ug/L		95	46 - 157
Tetrachloroethene	36		50.0	90.1		ug/L		108	64 - 148
Toluene	<0.15		50.0	48.7		ug/L		97	47 - 150
trans-1,2-Dichloroethene	<0.35		50.0	47.9		ug/L		96	54 - 156
1,1,1-Trichloroethane	<0.38		50.0	46.7		ug/L		93	52 - 162
1,1,2-Trichloroethane	<0.35		50.0	46.1		ug/L		92	52 - 150
Trichloroethene	5.4		50.0	55.6		ug/L		101	71 - 157
Vinyl chloride	<0.20		50.0	45.0		ug/L		90	10 - 251

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		71 - 120
1,2-Dichloroethane-d4 (Surr)	89		71 - 127
Toluene-d8 (Surr)	99		75 - 120

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-112671-2 MSD

Matrix: Water

Analysis Batch: 339094

Client Sample ID: Effluent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	45.7		ug/L		91	37 - 151	7	20
Bromoform	<0.45		50.0	41.1		ug/L		82	45 - 169	8	20
Carbon tetrachloride	<0.38		50.0	42.9		ug/L		86	70 - 140	6	20
Chloroform	<0.37		50.0	41.8		ug/L		84	51 - 138	8	20
cis-1,2-Dichloroethene	16		50.0	60.9		ug/L		91	70 - 130	8	20
Dichlorobromomethane	<0.37		50.0	40.8		ug/L		82	35 - 155	7	20
1,2-Dichloroethane	<0.39		50.0	40.3		ug/L		81	49 - 155	11	20
1,1-Dichloroethene	<0.39		50.0	43.5		ug/L		87	10 - 234	9	20
Ethylbenzene	<0.18		50.0	45.8		ug/L		92	37 - 162	7	20
Methyl bromide	<0.65		50.0	33.9		ug/L		68	10 - 242	7	20
Methyl chloride	<0.32		50.0	44.0		ug/L		88	10 - 273	8	20
m&p-Xylene	<0.40		50.0	43.9		ug/L		88		5	
o-Xylene	<0.22		50.0	45.5		ug/L		91		5	
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.7		ug/L		85	46 - 157	10	20
Tetrachloroethene	36		50.0	86.6		ug/L		101	64 - 148	4	20
Toluene	<0.15		50.0	46.4		ug/L		93	47 - 150	5	20
trans-1,2-Dichloroethene	<0.35		50.0	44.0		ug/L		88	54 - 156	9	20
1,1,1-Trichloroethane	<0.38		50.0	44.0		ug/L		88	52 - 162	6	20
1,1,2-Trichloroethane	<0.35		50.0	41.5		ug/L		83	52 - 150	11	20
Trichloroethene	5.4		50.0	52.6		ug/L		94	71 - 157	6	20
Vinyl chloride	<0.20		50.0	42.0		ug/L		84	10 - 251	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		71 - 120
1,2-Dichloroethane-d4 (Surr)	86		71 - 127
Toluene-d8 (Surr)	101		75 - 120

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-339014/1-A

Matrix: Water

Analysis Batch: 339024

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	2.70	J	5.0	1.3	mg/L		06/08/16 15:52	06/08/16 21:00	1

Lab Sample ID: LCS 500-339014/2-A

Matrix: Water

Analysis Batch: 339024

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	38.2		mg/L		95	78 - 114

TestAmerica Chicago

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-339307/3
Matrix: Water
Analysis Batch: 339307

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.076		0.20	0.076	mg/L			06/09/16 10:03	1

Lab Sample ID: LCS 500-339307/4
Matrix: Water
Analysis Batch: 339307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.00	3.10		mg/L		103	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-339158/1
Matrix: Water
Analysis Batch: 339158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<2.5		5.0	2.5	mg/L			06/09/16 10:25	1

Lab Sample ID: LCS 500-339158/2
Matrix: Water
Analysis Batch: 339158

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	200	185		mg/L		92	80 - 120

Lab Chronicle

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

Client Sample ID: Influent

Date Collected: 06/07/16 07:20

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	DL	20	339094	06/09/16 10:39	PMF	TAL CHI
Total/NA	Analysis	624		2	339094	06/09/16 11:05	PMF	TAL CHI
Total/NA	Prep	1664B			339014	06/08/16 17:26	ADK	TAL CHI
Total/NA	Analysis	1664B		1	339024	06/08/16 21:18	ADK	TAL CHI
Total/NA	Analysis	300.0		20	339307	06/09/16 10:28	CCK	TAL CHI
Total/NA	Analysis	SM 2540D		1	339158		SMO	TAL CHI
					(Start)	06/09/16 10:27		
					(End)	06/09/16 10:29		

Client Sample ID: Effluent

Date Collected: 06/07/16 07:25

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	339094	06/09/16 16:45	PMF	TAL CHI
Total/NA	Prep	1664B			339014	06/08/16 17:39	ADK	TAL CHI
Total/NA	Analysis	1664B		1	339024	06/08/16 21:21	ADK	TAL CHI
Total/NA	Analysis	300.0		20	339307	06/09/16 10:40	CCK	TAL CHI
Total/NA	Analysis	SM 2540D		1	339158		SMO	TAL CHI
					(Start)	06/09/16 10:29		
					(End)	06/09/16 10:30		

Client Sample ID: Trip Blank

Date Collected: 06/07/16 00:00

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	339094	06/09/16 11:57	PMF	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: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-1

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 *

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* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Alina Satkoski
Company: MKC
Address: 201 Waukesha St.
Address: Madison, WI 53704
Phone: 608 242 5200
Fax:
E-Mail: asatkoski@madison

Bill To (optional)
Contact: Accounts Payable
Company: MKC
Address: Same
Address:
Phone:
Fax: 508-555-1063
PO#/Reference# 106371

Chain of Custody Record

Lab Job #: 500-112671

Chain of Custody Number: _____

Page 1 of 1



Temperature °C of Cooler: 5.9

Client		Client Project #		Preservative		Parameter		Matrix		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	
Project Name		Lab Project #		Parameter		Matrix		Comments			
Project Location/State		Lab PM		Parameter		Matrix					
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	PAH	BOD/TS/Chloride	Oil + Grease	
1		Influent	6/7/16	720	9	W	X	X	X	X	For VOC + PAH see attached analytical list.
2		Effluent	6/7/16	725	9	W	X	X	X	X	
3		Trip Blank	-	-	1	W	X				

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

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 Alina Satkoski Company MKC Date 6/7/16 Time 10:00

Received By [Signature] Company TAL Date 06/08/16 Time 1015

Lab Courier _____
Shipped
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
Report to Alina Satkoski + Andy Stehm.

Lab Comments:

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-112671-1

Login Number: 112671

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

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	5.9c
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 (excluding tests with immediate HTs)	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



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: 500-112671-2

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

6/15/2016 4:31:40 PM

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



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www.testamericainc.com

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Job ID: 500-112671-2

Laboratory: TestAmerica Chicago

Narrative

**Job Narrative
500-112671-2**

Comments

No additional comments.

Receipt

The samples were received on 6/8/2016 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

GC/MS Semi VOA

Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-346878 and analytical batch 490-347136.

Method(s) 625 SIM: Internal standard (ISTD) response for the following sample was outside control limits: Effluent (500-112671-2). The sample was re-analyzed with concurring results, and the original set of data has been reported.

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

General Chemistry

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: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Client Sample ID: Influent

Lab Sample ID: 500-112671-1

No Detections.

Client Sample ID: Effluent

Lab Sample ID: 500-112671-2

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Method	Method Description	Protocol	Laboratory
625 SIM	Semivolatile Organic Compounds GC/MS (SIM)	40CFR136A	TAL NSH
SM 5210B	BOD, 5-Day	SM	TAL CHI

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-112671-1	Influent	Water	06/07/16 07:20	06/08/16 10:15
500-112671-2	Effluent	Water	06/07/16 07:25	06/08/16 10:15

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Client Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Client Sample ID: Influent

Date Collected: 06/07/16 07:20

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-1

Matrix: Water

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.027		0.054	0.027	ug/L		06/10/16 11:58	06/13/16 06:34	1
Benzo[a]pyrene	<0.027		0.054	0.027	ug/L		06/10/16 11:58	06/13/16 06:34	1
Benzo[b]fluoranthene	<0.027		0.054	0.027	ug/L		06/10/16 11:58	06/13/16 06:34	1
Benzo[g,h,i]perylene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Benzo[k]fluoranthene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Chrysene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Dibenz(a,h)anthracene	<0.027		0.054	0.027	ug/L		06/10/16 11:58	06/13/16 06:34	1
Fluoranthene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Indeno[1,2,3-cd]pyrene	<0.027		0.054	0.027	ug/L		06/10/16 11:58	06/13/16 06:34	1
Naphthalene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Phenanthrene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1
Pyrene	<0.054		0.11	0.054	ug/L		06/10/16 11:58	06/13/16 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	31		27 - 120	06/10/16 11:58	06/13/16 06:34	1
Terphenyl-d14	32		13 - 120	06/10/16 11:58	06/13/16 06:34	1
2-Fluorobiphenyl (Surr)	30		10 - 120	06/10/16 11:58	06/13/16 06:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/08/16 16:33	1

Client Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Client Sample ID: Effluent

Date Collected: 06/07/16 07:25

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-2

Matrix: Water

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.026	*	0.052	0.026	ug/L		06/10/16 11:58	06/13/16 06:59	1
Benzo[a]pyrene	<0.026		0.052	0.026	ug/L		06/10/16 11:58	06/13/16 06:59	1
Benzo[b]fluoranthene	<0.026		0.052	0.026	ug/L		06/10/16 11:58	06/13/16 06:59	1
Benzo[g,h,i]perylene	<0.052		0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Benzo[k]fluoranthene	<0.052		0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Chrysene	<0.052	*	0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Dibenz(a,h)anthracene	<0.026		0.052	0.026	ug/L		06/10/16 11:58	06/13/16 06:59	1
Fluoranthene	<0.052		0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Indeno[1,2,3-cd]pyrene	<0.026		0.052	0.026	ug/L		06/10/16 11:58	06/13/16 06:59	1
Naphthalene	<0.052		0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Phenanthrene	<0.052		0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1
Pyrene	<0.052	*	0.10	0.052	ug/L		06/10/16 11:58	06/13/16 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	38		27 - 120	06/10/16 11:58	06/13/16 06:59	1
Terphenyl-d14	13	*	13 - 120	06/10/16 11:58	06/13/16 06:59	1
2-Fluorobiphenyl (Surr)	40		10 - 120	06/10/16 11:58	06/13/16 06:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/08/16 16:47	1

Definitions/Glossary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable 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: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

GC/MS Semi VOA

Prep Batch: 346878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	625	
500-112671-2	Effluent	Total/NA	Water	625	
LCS 490-346878/2-A	Lab Control Sample	Total/NA	Water	625	
MB 490-346878/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 347136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	625 SIM	346878
500-112671-2	Effluent	Total/NA	Water	625 SIM	346878
LCS 490-346878/2-A	Lab Control Sample	Total/NA	Water	625 SIM	346878
MB 490-346878/1-A	Method Blank	Total/NA	Water	625 SIM	346878

General Chemistry

Analysis Batch: 338995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-112671-1	Influent	Total/NA	Water	SM 5210B	
500-112671-2	Effluent	Total/NA	Water	SM 5210B	
LCS 500-338995/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 500-338995/1	Method Blank	Total/NA	Water	SM 5210B	

Surrogate Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ	TPH	FBP
		(27-120)	(13-120)	(10-120)
500-112671-1	Influent	31	32	30
500-112671-2	Effluent	38	13 *	40
LCS 490-346878/2-A	Lab Control Sample	32	38	34
MB 490-346878/1-A	Method Blank	36	41	38

Surrogate Legend

NBZ = Nitrobenzene-d5

TPH = Terphenyl-d14

FBP = 2-Fluorobiphenyl (Surr)

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 490-346878/1-A
Matrix: Water
Analysis Batch: 347136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		06/10/16 11:58	06/13/16 05:44	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/10/16 11:58	06/13/16 05:44	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/10/16 11:58	06/13/16 05:44	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Chrysene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/10/16 11:58	06/13/16 05:44	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/10/16 11:58	06/13/16 05:44	1
Naphthalene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1
Pyrene	<0.050		0.10	0.050	ug/L		06/10/16 11:58	06/13/16 05:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	36		27 - 120	06/10/16 11:58	06/13/16 05:44	1
Terphenyl-d14	41		13 - 120	06/10/16 11:58	06/13/16 05:44	1
2-Fluorobiphenyl (Surr)	38		10 - 120	06/10/16 11:58	06/13/16 05:44	1

Lab Sample ID: LCS 490-346878/2-A
Matrix: Water
Analysis Batch: 347136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzo[a]anthracene	0.800	0.614		ug/L		77	33 - 143
Benzo[a]pyrene	0.800	0.563		ug/L		70	17 - 163
Benzo[b]fluoranthene	0.800	0.618		ug/L		77	24 - 159
Benzo[g,h,i]perylene	0.800	0.633		ug/L		79	10 - 219
Benzo[k]fluoranthene	0.800	0.553		ug/L		69	11 - 162
Chrysene	0.800	0.619		ug/L		77	17 - 168
Dibenz(a,h)anthracene	0.800	0.604		ug/L		75	10 - 227
Fluoranthene	0.800	0.649		ug/L		81	26 - 137
Indeno[1,2,3-cd]pyrene	0.800	0.612		ug/L		76	10 - 171
Naphthalene	0.800	0.569		ug/L		71	21 - 133
Phenanthrene	0.800	0.596		ug/L		74	54 - 120
Pyrene	0.800	0.550		ug/L		69	52 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	32		27 - 120
Terphenyl-d14	38		13 - 120
2-Fluorobiphenyl (Surr)	34		10 - 120

QC Sample Results

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 500-338995/1
 Matrix: Water
 Analysis Batch: 338995

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/08/16 13:42	1

Lab Sample ID: LCS 500-338995/2
 Matrix: Water
 Analysis Batch: 338995

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	206		mg/L		104	85 - 115

Lab Chronicle

Client: Madison-Kipp Corporation
 Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

Client Sample ID: Influent

Date Collected: 06/07/16 07:20

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			346878	06/10/16 11:58	DHC	TAL NSH
Total/NA	Analysis	625 SIM		1	347136	06/13/16 06:34	T1C	TAL NSH
Total/NA	Analysis	SM 5210B		1	338995	06/08/16 16:33 06/08/16 16:47	MAN	TAL CHI

Client Sample ID: Effluent

Date Collected: 06/07/16 07:25

Date Received: 06/08/16 10:15

Lab Sample ID: 500-112671-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			346878	06/10/16 11:58	DHC	TAL NSH
Total/NA	Analysis	625 SIM		1	347136	06/13/16 06:59	T1C	TAL NSH
Total/NA	Analysis	SM 5210B		1	338995	06/08/16 16:47 06/08/16 17:01	MAN	TAL CHI

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Madison-Kipp Corporation
Project/Site: MadisonKipp - GETS/SVE

TestAmerica Job ID: 500-112671-2

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 *

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-16

* Certification renewal pending - certification considered valid.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Alina Satkoski
Company: MKC
Address: 201 Waukesha St.
Address: Madison, WI 53704
Phone: 608 242 5200
Fax:
E-Mail: asatkoski@madison

Bill To (optional)
Contact: Accounts Payable
Company: MKC
Address: Same
Address:
Phone:
Fax: 508-555-1063
PO#/Reference# 106371

Chain of Custody Record

Lab Job #: 500-112671
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 5.9



Client		Client Project #		Preservative		Parameter										Preservative Key	
Project Name		Project Location/State		Lab Project #		Lab PM										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	Date	Time	# of Containers	Matrix											Comments
mkc																	
GETS/SVE		Madison, WI															
A Satkoski																	
							VOC	PAAH	BOD/TS/Chloride	Oil + Grease							
1		Influent	6/7/16	720	9	W	X	X	X	X							For VOC + PAAH see attached analytical list.
2		Effluent	6/7/16	725	9	W	X	X	X	X							
3		Trip Blank	-	-	1	W	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 <u>Alina Satkoski</u>	Company <u>MKC</u>	Date <u>6/7/16</u>	Time <u>10:00</u>	Received By <u>[Signature]</u>	Company <u>TAL</u>	Date <u>06/08/16</u>	Time <u>1015</u>
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: _____

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
Report to Alina Satkoski + Andy Stehm.

Lab Comments:



500-112671 Waybill

00500

FedEx Package Express *US Airbill*

FedEx Tracking Number **8103 0778 7338**

Form ID No. **0215**

MUR3

1 From

Date 6/7/10

Sender's Name Aura SAKESKI Phone 518 765 7183

Company mkc

Address 201 W. GUBERSA A.

City Madison State WI ZIP 53704

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIPT Phone 708 534-5200

Company TESTAMERICA CHICAGO LAB

Address 2417 BOND ST.

City UNIVERSITY PARK State IL ZIP 60484-3101

Hold Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.

Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

4 Express Package Service *To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.

FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Servi

Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
Package may be left without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery.

Indirect Signature
If no one is available at recipient address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods?

No Yes (As per attached Shipper's Declaration.) Yes (Shipper's Declaration not required.) Dry Ice (Dry Ice, UN 1845 _____ x _____ kg)

Restrictions apply for dangerous goods—see the current FedEx Service Guide. Cargo Aircraft Only

7 Payment Bill to:

Sender Recipient Third Party Credit Card Cash/Check

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

Total Packages 1 Total Weight _____ lbs. Credit Card Auth.

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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8103 0778 7338

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-112671-2

Login Number: 112671

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	5.9c
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 (excluding tests with immediate HTs)	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-112671-2

Login Number: 112671

List Number: 2

Creator: Dantzler, Tony T

List Source: TestAmerica Nashville

List Creation: 06/09/16 05:02 PM

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.	N/A	
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	
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 (excluding tests with immediate HTs)	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.	N/A	
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	

