



September 7, 2017

Karl Knutson  
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. Knutson,

The Groundwater Extraction and Treatment System (GETS) ran for the month of August with the exception of maintenance activities. This letter summarizes the activities completed in August 2017 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 for volatile organic compounds (VOCs) and visual monitoring for sodium permanganate on August 15, 2017. 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.

The GETS shut down multiple times throughout the month due to system faults related to air bubbles in the peroxide feed line. The pump was repaired on August 31, 2017 to address this issue. If you have any questions or need additional information, please contact me at [asatkoski@madison-kipp.com](mailto:asatkoski@madison-kipp.com) or (608) 242-5200.

Alina Satkoski

A handwritten signature in blue ink that reads "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 BTEX 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/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.) and the source of wastewater, (petroleum contact, tank bottom water, scrap and waste storage area oily water, or secondary containment). Copy and use a new form for each outfall.
- ☞ Monitoring for a given parameter depends on if the discharge is to surface water or groundwater, and petroleum category.
- ☞ The value entered must be the highest value of all samples analyzed for that day.
- ☞ For each quarter, indicate the month monitoring occurred next to "Month"
- ☞ Include as separate attachments to this form the annual reports for (a) waste oil and solids removed, and (b) tank bottom water disposal.

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 Jett*

9-7-2017

Signature of Person Completing Form

Date

*Alina Jett*

9-7-2017

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: 500-132682-1

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

8/17/2017 7:20:15 PM

Sandie Fredrick, Project Manager II

(920)261-1660

[sandie.fredrick@testamericainc.com](mailto:sandie.fredrick@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://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: 500-132682-1

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**Job ID: 500-132682-1**

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**Laboratory: TestAmerica Chicago**

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**Narrative**

**Job Narrative  
500-132682-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 8/16/2017 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

**Receipt Exceptions**

Didn't receive attachment with COC. Logged per historicals.

**GC/MS VOA**

Method(s) 624: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (500-132682-1). 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.

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# Detection Summary

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

TestAmerica Job ID: 500-132682-1

## Client Sample ID: Influent

Lab Sample ID: 500-132682-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	62		5.0	2.0	ug/L	5		624	Total/NA
Trichloroethene	130		2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	1800		50	19	ug/L	50		624	Total/NA

## Client Sample ID: Effluent

Lab Sample ID: 500-132682-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	32		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	8.9		0.50	0.16	ug/L	1		624	Total/NA

## Client Sample ID: Trip Blank

Lab Sample ID: 500-132682-3

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: 500-132682-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	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.

**Laboratory References:**

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

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# Sample Summary

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

TestAmerica Job ID: 500-132682-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-132682-1	Influent	Water	08/15/17 12:00	08/16/17 08:50
500-132682-2	Effluent	Water	08/15/17 12:05	08/16/17 08:50
500-132682-3	Trip Blank	Water	08/15/17 00:00	08/16/17 08:50

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# Client Sample Results

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

TestAmerica Job ID: 500-132682-1

**Client Sample ID: Influent**

**Date Collected: 08/15/17 12:00**

**Date Received: 08/16/17 08:50**

**Lab Sample ID: 500-132682-1**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.73		2.5	0.73	ug/L			08/17/17 12:23	5
Bromoform	<2.2		5.0	2.2	ug/L			08/17/17 12:23	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			08/17/17 12:23	5
Chloroform	<1.9		10	1.9	ug/L			08/17/17 12:23	5
<b>cis-1,2-Dichloroethene</b>	<b>62</b>		5.0	2.0	ug/L			08/17/17 12:23	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			08/17/17 12:23	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			08/17/17 12:23	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			08/17/17 12:23	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			08/17/17 12:23	5
Methyl bromide	<3.2		10	3.2	ug/L			08/17/17 12:23	5
Methyl chloride	<1.6		5.0	1.6	ug/L			08/17/17 12:23	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			08/17/17 12:23	5
1,1,1,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			08/17/17 12:23	5
Toluene	<0.76		2.5	0.76	ug/L			08/17/17 12:23	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			08/17/17 12:23	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			08/17/17 12:23	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			08/17/17 12:23	5
<b>Trichloroethene</b>	<b>130</b>		2.5	0.82	ug/L			08/17/17 12:23	5
Vinyl chloride	<1.0		2.5	1.0	ug/L			08/17/17 12:23	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			08/17/17 12:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		71 - 120		08/17/17 12:23	5
1,2-Dichloroethane-d4 (Surr)	102		71 - 127		08/17/17 12:23	5
Toluene-d8 (Surr)	94		75 - 120		08/17/17 12:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Tetrachloroethene</b>	<b>1800</b>		50	19	ug/L			08/17/17 13:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		71 - 120		08/17/17 13:22	50
1,2-Dichloroethane-d4 (Surr)	100		71 - 127		08/17/17 13:22	50
Toluene-d8 (Surr)	94		75 - 120		08/17/17 13:22	50

# Client Sample Results

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

TestAmerica Job ID: 500-132682-1

**Client Sample ID: Effluent**

**Lab Sample ID: 500-132682-2**

**Date Collected: 08/15/17 12:05**

**Matrix: Water**

**Date Received: 08/16/17 08:50**

**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			08/17/17 13:51	1
Bromoform	<0.45		1.0	0.45	ug/L			08/17/17 13:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/17/17 13:51	1
Chloroform	<0.37		2.0	0.37	ug/L			08/17/17 13:51	1
<b>cis-1,2-Dichloroethene</b>	<b>20</b>		1.0	0.41	ug/L			08/17/17 13:51	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			08/17/17 13:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/17/17 13:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/17/17 13:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/17/17 13:51	1
Methyl bromide	<0.65		2.0	0.65	ug/L			08/17/17 13:51	1
Methyl chloride	<0.32		1.0	0.32	ug/L			08/17/17 13:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/17/17 13:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/17/17 13:51	1
<b>Tetrachloroethene</b>	<b>32</b>		1.0	0.37	ug/L			08/17/17 13:51	1
Toluene	<0.15		0.50	0.15	ug/L			08/17/17 13:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/17/17 13:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/17/17 13:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/17/17 13:51	1
<b>Trichloroethene</b>	<b>8.9</b>		0.50	0.16	ug/L			08/17/17 13:51	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			08/17/17 13:51	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			08/17/17 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		71 - 120		08/17/17 13:51	1
1,2-Dichloroethane-d4 (Surr)	101		71 - 127		08/17/17 13:51	1
Toluene-d8 (Surr)	106		75 - 120		08/17/17 13:51	1

# Client Sample Results

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

TestAmerica Job ID: 500-132682-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-132682-3**

**Date Collected: 08/15/17 00:00**

**Matrix: Water**

**Date Received: 08/16/17 08:50**

**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			08/17/17 14:21	1
Bromoform	<0.45		1.0	0.45	ug/L			08/17/17 14:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/17/17 14:21	1
Chloroform	<0.37		2.0	0.37	ug/L			08/17/17 14:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/17/17 14:21	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			08/17/17 14:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/17/17 14:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/17/17 14:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/17/17 14:21	1
Methyl bromide	<0.65		2.0	0.65	ug/L			08/17/17 14:21	1
Methyl chloride	<0.32		1.0	0.32	ug/L			08/17/17 14:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/17/17 14:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/17/17 14:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/17/17 14:21	1
Toluene	<0.15		0.50	0.15	ug/L			08/17/17 14:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/17/17 14:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/17/17 14:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/17/17 14:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/17/17 14:21	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			08/17/17 14:21	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			08/17/17 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		71 - 120		08/17/17 14:21	1
1,2-Dichloroethane-d4 (Surr)	103		71 - 127		08/17/17 14:21	1
Toluene-d8 (Surr)	107		75 - 120		08/17/17 14:21	1

# Definitions/Glossary

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

TestAmerica Job ID: 500-132682-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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: 500-132682-1

## GC/MS VOA

### Analysis Batch: 397749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-132682-1	Influent	Total/NA	Water	624	
500-132682-1 - DL	Influent	Total/NA	Water	624	
500-132682-2	Effluent	Total/NA	Water	624	
500-132682-3	Trip Blank	Total/NA	Water	624	
MB 500-397749/7	Method Blank	Total/NA	Water	624	
LCS 500-397749/8	Lab Control Sample	Total/NA	Water	624	

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# Surrogate Summary

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

TestAmerica Job ID: 500-132682-1

## 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)
500-132682-1	Influent	91	102	94
500-132682-1 - DL	Influent	91	100	94
500-132682-2	Effluent	94	101	106
500-132682-3	Trip Blank	87	103	107
LCS 500-397749/8	Lab Control Sample	92	95	98
MB 500-397749/7	Method Blank	92	99	95

### 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: 500-132682-1

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

**Lab Sample ID: MB 500-397749/7**

**Matrix: Water**

**Analysis Batch: 397749**

**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			08/17/17 10:26	1
Bromoform	<0.45		1.0	0.45	ug/L			08/17/17 10:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/17/17 10:26	1
Chloroform	<0.37		2.0	0.37	ug/L			08/17/17 10:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/17/17 10:26	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			08/17/17 10:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/17/17 10:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/17/17 10:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/17/17 10:26	1
Methyl bromide	<0.65		2.0	0.65	ug/L			08/17/17 10:26	1
Methyl chloride	<0.32		1.0	0.32	ug/L			08/17/17 10:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/17/17 10:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/17/17 10:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/17/17 10:26	1
Toluene	<0.15		0.50	0.15	ug/L			08/17/17 10:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/17/17 10:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/17/17 10:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/17/17 10:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/17/17 10:26	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			08/17/17 10:26	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			08/17/17 10:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		71 - 120		08/17/17 10:26	1
1,2-Dichloroethane-d4 (Surr)	99		71 - 127		08/17/17 10:26	1
Toluene-d8 (Surr)	95		75 - 120		08/17/17 10:26	1

**Lab Sample ID: LCS 500-397749/8**

**Matrix: Water**

**Analysis Batch: 397749**

**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	45.9		ug/L		92	37 - 151
Bromoform	50.0	48.7		ug/L		97	45 - 169
Carbon tetrachloride	50.0	46.9		ug/L		94	70 - 140
Chloroform	50.0	43.9		ug/L		88	51 - 138
cis-1,2-Dichloroethene	50.0	46.3		ug/L		93	70 - 130
Dichlorobromomethane	50.0	45.5		ug/L		91	35 - 155
1,2-Dichloroethane	50.0	46.5		ug/L		93	49 - 155
1,1-Dichloroethene	50.0	46.3		ug/L		93	10 - 234
Ethylbenzene	50.0	47.1		ug/L		94	37 - 162
Methyl bromide	50.0	49.3		ug/L		99	10 - 242
Methyl chloride	50.0	34.3		ug/L		69	10 - 273
m&p-Xylene	50.0	45.5		ug/L		91	
o-Xylene	50.0	43.3		ug/L		87	
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	46 - 157
Tetrachloroethene	50.0	47.5		ug/L		95	64 - 148
Toluene	50.0	46.4		ug/L		93	47 - 150

TestAmerica Chicago



# QC Sample Results

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

TestAmerica Job ID: 500-132682-1

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

**Lab Sample ID: LCS 500-397749/8**

**Matrix: Water**

**Analysis Batch: 397749**

**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	46.6		ug/L		93	54 - 156
1,1,1-Trichloroethane	50.0	43.1		ug/L		86	52 - 162
1,1,2-Trichloroethane	50.0	49.0		ug/L		98	52 - 150
Trichloroethene	50.0	48.6		ug/L		97	71 - 157
Vinyl chloride	50.0	52.7		ug/L		105	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		71 - 120
1,2-Dichloroethane-d4 (Surr)	95		71 - 127
Toluene-d8 (Surr)	98		75 - 120

# Lab Chronicle

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

TestAmerica Job ID: 500-132682-1

## Client Sample ID: Influent

Date Collected: 08/15/17 12:00

Date Received: 08/16/17 08:50

Lab Sample ID: 500-132682-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	397749	08/17/17 12:23	PMF	TAL CHI
Total/NA	Analysis	624	DL	50	397749	08/17/17 13:22	PMF	TAL CHI

## Client Sample ID: Effluent

Date Collected: 08/15/17 12:05

Date Received: 08/16/17 08:50

Lab Sample ID: 500-132682-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	397749	08/17/17 13:51	PMF	TAL CHI

## Client Sample ID: Trip Blank

Date Collected: 08/15/17 00:00

Date Received: 08/16/17 08:50

Lab Sample ID: 500-132682-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	397749	08/17/17 14:21	PMF	TAL CHI

### Laboratory References:

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

# Accreditation/Certification Summary

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

TestAmerica Job ID: 500-132682-1

## Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17 *

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\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60084  
Phone: 708.534.5200 Fax: 708.534.5201



500-132682 COC

Report To (optional) Alina Satkoski/A Stern  
 Contact: Accounts Payable  
 Company: MCC / TRC  
 Address: 201 Waubesa St.  
 Address: Madison, WI 53704  
 Phone: 608 242 5200  
 Fax: asatkoski@madison-kipp.com  
 E-Mail: madison-kipp.com

Bill To (optional)  
 Contact: Accounts Payable  
 Company: ap @  
 Address: madison-kipp.com  
 Address: com  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: 106985

## Chain of Custody Record

Lab Job #: 500-132682

Chain of Custody Number: \_\_\_\_\_

Page 1 of 1

Temperature °C of Cooler: 5.6

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 #		Date		Time		VOCs		
Project Location/State		Sampler		Lab PM		Matrix				
MS/MSD		Sample ID		Date		Time				
MCC										See attached analytical list for VOC.
GETS										
Madison, WI		Alina Satkoski		Sandie Fredrick						
1		Influent	8/15/17	1200	3	W	X			
2		Effluent	8/15/17	1205	3	W	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 <u>Alina Satkoski</u>	Company <u>MCC</u>	Date <u>8/15/17</u>	Time <u>14:00</u>	Received By <u>Shawn Scott</u>	Company <u>TRC</u>	Date <u>8/16/17</u>	Time <u>08:50</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

Shipped FedEx

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:

# Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-132682-1

**Login Number: 132682**

**List Source: TestAmerica Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	5.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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.	N/A	

