



June 9, 2017

Emily James
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 Ms. James,

The Groundwater Extraction and Treatment System (GETS) ran for the month of May with the exception of maintenance activities. This letter summarizes the activities completed in May 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.

On March 14, 2017, Madison-Kipp submitted a request to decrease sampling for select parameters from monthly to quarterly. The Wisconsin Department of Natural Resources (WDNR) approved this request via email on April 27, 2017. Per the revised Discharge Monitoring Report (DMR) form, compliance samples were collected for VOCs, benzo(a)pyrene and visual monitoring for sodium permanganate on May 10, 2017. Please note that sodium permanganate was added to the revised WDNR DMR form along with additional footnotes for clarity. The compliance sample results for the month of May were below the WPDES discharge limits. The revised Discharge Monitoring Report is included as Attachment A and laboratory reports are included as Attachment B. If you have any questions or need additional information, please contact me at 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.



6-9-2017

Signature of Person Completing Form

Date



6-9-2017

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: 500-127974-1

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

5/16/2017 4:36:17 PM

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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: 500-127974-1

Job ID: 500-127974-1

Laboratory: TestAmerica Chicago

Narrative

**Job Narrative
500-127974-1**

Comments

No additional comments.

Receipt

The samples were received on 5/11/2017 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5° C.

GC/MS VOA

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

GC/MS Semi VOA

Method(s) 625 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 490-429596 recovered outside control limits for the following analytes: Dibenz(a,h)anthracene.

Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-429596 and analytical batch 490-429506.

No additional analytical or quality issues were noted, other than those described above or 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: 500-127974-1

Client Sample ID: Influent

Lab Sample ID: 500-127974-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.3	J	2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	1700		50	19	ug/L	50		624	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 500-127974-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.25	J	0.50	0.15	ug/L	1		624	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	21		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	7.2		0.50	0.16	ug/L	1		624	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-127974-3

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: 500-127974-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
625 SIM	Semivolatile Organic Compounds GC/MS (SIM)	40CFR136A	TAL NSH

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

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: 500-127974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-127974-1	Influent	Water	05/10/17 15:05	05/11/17 09:50
500-127974-2	Effluent	Water	05/10/17 15:10	05/11/17 09:50
500-127974-3	Trip Blank	Water	05/10/17 00:00	05/11/17 09:50

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Client Sample Results

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

TestAmerica Job ID: 500-127974-1

Client Sample ID: Influent

Date Collected: 05/10/17 15:05

Date Received: 05/11/17 09:50

Lab Sample ID: 500-127974-1

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			05/16/17 14:20	5
Bromoform	<2.2		5.0	2.2	ug/L			05/16/17 14:20	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			05/16/17 14:20	5
Chloroform	<1.9		10	1.9	ug/L			05/16/17 14:20	5
cis-1,2-Dichloroethene	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			05/16/17 14:20	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			05/16/17 14:20	5
Methyl bromide	<3.2		10	3.2	ug/L			05/16/17 14:20	5
Methyl chloride	<1.6		5.0	1.6	ug/L			05/16/17 14:20	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5
Toluene	<0.76		2.5	0.76	ug/L			05/16/17 14:20	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			05/16/17 14:20	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			05/16/17 14:20	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			05/16/17 14:20	5
Trichloroethene	2.3	J	2.5	0.82	ug/L			05/16/17 14:20	5
Vinyl chloride	<1.0		2.5	1.0	ug/L			05/16/17 14:20	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			05/16/17 14:20	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		71 - 120		05/16/17 14:20	5
1,2-Dichloroethane-d4 (Surr)	111		71 - 127		05/16/17 14:20	5
Toluene-d8 (Surr)	100		75 - 120		05/16/17 14:20	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1700		50	19	ug/L			05/12/17 16:48	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		71 - 120		05/12/17 16:48	50
1,2-Dichloroethane-d4 (Surr)	114		71 - 127		05/12/17 16:48	50
Toluene-d8 (Surr)	100		75 - 120		05/12/17 16:48	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.026		0.052	0.026	ug/L		05/12/17 15:39	05/15/17 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		27 - 120	05/12/17 15:39	05/15/17 11:17	1
Terphenyl-d14	71		13 - 120	05/12/17 15:39	05/15/17 11:17	1
2-Fluorobiphenyl (Surr)	63		10 - 120	05/12/17 15:39	05/15/17 11:17	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127974-1

Client Sample ID: Effluent

Date Collected: 05/10/17 15:10

Date Received: 05/11/17 09:50

Lab Sample ID: 500-127974-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	J	0.50	0.15	ug/L			05/12/17 15:54	1
Bromoform	<0.45		1.0	0.45	ug/L			05/12/17 15:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/12/17 15:54	1
Chloroform	<0.37		2.0	0.37	ug/L			05/12/17 15:54	1
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L			05/12/17 15:54	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			05/12/17 15:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/12/17 15:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/12/17 15:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/12/17 15:54	1
Methyl bromide	<0.65		2.0	0.65	ug/L			05/12/17 15:54	1
Methyl chloride	<0.32		1.0	0.32	ug/L			05/12/17 15:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/12/17 15:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/12/17 15:54	1
Tetrachloroethene	21		1.0	0.37	ug/L			05/12/17 15:54	1
Toluene	<0.15		0.50	0.15	ug/L			05/12/17 15:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/12/17 15:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/12/17 15:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/12/17 15:54	1
Trichloroethene	7.2		0.50	0.16	ug/L			05/12/17 15:54	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			05/12/17 15:54	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			05/12/17 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		71 - 120		05/12/17 15:54	1
1,2-Dichloroethane-d4 (Surr)	121		71 - 127		05/12/17 15:54	1
Toluene-d8 (Surr)	98		75 - 120		05/12/17 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		05/12/17 15:39	05/15/17 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	52		27 - 120	05/12/17 15:39	05/15/17 11:38	1
Terphenyl-d14	59		13 - 120	05/12/17 15:39	05/15/17 11:38	1
2-Fluorobiphenyl (Surr)	51		10 - 120	05/12/17 15:39	05/15/17 11:38	1

Client Sample Results

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

TestAmerica Job ID: 500-127974-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-127974-3

Date Collected: 05/10/17 00:00

Matrix: Water

Date Received: 05/11/17 09:50

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			05/16/17 13:26	1
Bromoform	<0.45		1.0	0.45	ug/L			05/16/17 13:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/16/17 13:26	1
Chloroform	<0.37		2.0	0.37	ug/L			05/16/17 13:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/16/17 13:26	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			05/16/17 13:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/16/17 13:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/16/17 13:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/16/17 13:26	1
Methyl bromide	<0.65		2.0	0.65	ug/L			05/16/17 13:26	1
Methyl chloride	<0.32		1.0	0.32	ug/L			05/16/17 13:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/16/17 13:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/16/17 13:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/16/17 13:26	1
Toluene	<0.15		0.50	0.15	ug/L			05/16/17 13:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/16/17 13:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/16/17 13:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/16/17 13:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/16/17 13:26	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			05/16/17 13:26	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			05/16/17 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		71 - 120		05/16/17 13:26	1
1,2-Dichloroethane-d4 (Surr)	113		71 - 127		05/16/17 13:26	1
Toluene-d8 (Surr)	105		75 - 120		05/16/17 13:26	1

Definitions/Glossary

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

TestAmerica Job ID: 500-127974-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

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: 500-127974-1

GC/MS VOA

Analysis Batch: 384870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127974-1 - DL	Influent	Total/NA	Water	624	
500-127974-2	Effluent	Total/NA	Water	624	
MB 500-384870/8	Method Blank	Total/NA	Water	624	
LCS 500-384870/7	Lab Control Sample	Total/NA	Water	624	

Analysis Batch: 385300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127974-1	Influent	Total/NA	Water	624	
500-127974-3	Trip Blank	Total/NA	Water	624	
MB 500-385300/6	Method Blank	Total/NA	Water	624	
LCS 500-385300/4	Lab Control Sample	Total/NA	Water	624	

GC/MS Semi VOA

Analysis Batch: 429506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-429596/1-A	Method Blank	Total/NA	Water	625 SIM	429596
LCS 490-429596/2-A	Lab Control Sample	Total/NA	Water	625 SIM	429596
LCSD 490-429596/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	429596

Prep Batch: 429596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127974-1	Influent	Total/NA	Water	625	
500-127974-2	Effluent	Total/NA	Water	625	
MB 490-429596/1-A	Method Blank	Total/NA	Water	625	
LCS 490-429596/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-429596/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 429931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127974-1	Influent	Total/NA	Water	625 SIM	429596
500-127974-2	Effluent	Total/NA	Water	625 SIM	429596

Surrogate Summary

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

TestAmerica Job ID: 500-127974-1

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)
500-127974-1 - DL	Influent	120	114	100
500-127974-1	Influent	118	111	100
500-127974-2	Effluent	118	121	98
500-127974-3	Trip Blank	118	113	105
LCS 500-384870/7	Lab Control Sample	111	108	100
LCS 500-385300/4	Lab Control Sample	120	113	103
MB 500-384870/8	Method Blank	119	114	100
MB 500-385300/6	Method Blank	114	113	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

TOL = Toluene-d8 (Surr)

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 (27-120)	TPH (13-120)	FBP (10-120)
500-127974-1	Influent	58	71	63
500-127974-2	Effluent	52	59	51
LCS 490-429596/2-A	Lab Control Sample	53	67	38
LCSD 490-429596/3-A	Lab Control Sample Dup	53	84	49
MB 490-429596/1-A	Method Blank	43	74	47

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: 500-127974-1

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

Lab Sample ID: MB 500-384870/8

Matrix: Water

Analysis Batch: 384870

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			05/12/17 11:22	1
Bromoform	<0.45		1.0	0.45	ug/L			05/12/17 11:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/12/17 11:22	1
Chloroform	<0.37		2.0	0.37	ug/L			05/12/17 11:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/12/17 11:22	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			05/12/17 11:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/12/17 11:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/12/17 11:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/12/17 11:22	1
Methyl bromide	<0.65		2.0	0.65	ug/L			05/12/17 11:22	1
Methyl chloride	<0.32		1.0	0.32	ug/L			05/12/17 11:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/12/17 11:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/12/17 11:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/12/17 11:22	1
Toluene	<0.15		0.50	0.15	ug/L			05/12/17 11:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/12/17 11:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/12/17 11:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/12/17 11:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/12/17 11:22	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			05/12/17 11:22	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			05/12/17 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		71 - 120		05/12/17 11:22	1
1,2-Dichloroethane-d4 (Surr)	114		71 - 127		05/12/17 11:22	1
Toluene-d8 (Surr)	100		75 - 120		05/12/17 11:22	1

Lab Sample ID: LCS 500-384870/7

Matrix: Water

Analysis Batch: 384870

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	42.7		ug/L		85	37 - 151
Bromoform	50.0	34.4		ug/L		69	45 - 169
Carbon tetrachloride	50.0	42.8		ug/L		86	70 - 140
Chloroform	50.0	45.1		ug/L		90	51 - 138
cis-1,2-Dichloroethene	50.0	42.1		ug/L		84	70 - 130
Dichlorobromomethane	50.0	42.8		ug/L		86	35 - 155
1,2-Dichloroethane	50.0	45.8		ug/L		92	49 - 155
1,1-Dichloroethene	50.0	41.6		ug/L		83	10 - 234
Ethylbenzene	50.0	44.5		ug/L		89	37 - 162
Methyl bromide	50.0	40.5		ug/L		81	10 - 242
Methyl chloride	50.0	42.9		ug/L		86	10 - 273
m&p-Xylene	50.0	45.4		ug/L		91	
o-Xylene	50.0	45.2		ug/L		90	
1,1,2,2-Tetrachloroethane	50.0	46.0		ug/L		92	46 - 157
Tetrachloroethene	50.0	41.0		ug/L		82	64 - 148
Toluene	50.0	45.5		ug/L		91	47 - 150

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127974-1

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

Lab Sample ID: LCS 500-384870/7
Matrix: Water
Analysis Batch: 384870

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	42.0		ug/L		84	54 - 156
1,1,1-Trichloroethane	50.0	45.6		ug/L		91	52 - 162
1,1,2-Trichloroethane	50.0	43.3		ug/L		87	52 - 150
Trichloroethene	50.0	40.3		ug/L		81	71 - 157
Vinyl chloride	50.0	46.3		ug/L		93	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		71 - 120
1,2-Dichloroethane-d4 (Surr)	108		71 - 127
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: MB 500-385300/6
Matrix: Water
Analysis Batch: 385300

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			05/16/17 11:34	1
Bromoform	<0.45		1.0	0.45	ug/L			05/16/17 11:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/16/17 11:34	1
Chloroform	<0.37		2.0	0.37	ug/L			05/16/17 11:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/16/17 11:34	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			05/16/17 11:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/16/17 11:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/16/17 11:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/16/17 11:34	1
Methyl bromide	<0.65		2.0	0.65	ug/L			05/16/17 11:34	1
Methyl chloride	<0.32		1.0	0.32	ug/L			05/16/17 11:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/16/17 11:34	1
1,1,1,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/16/17 11:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/16/17 11:34	1
Toluene	<0.15		0.50	0.15	ug/L			05/16/17 11:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/16/17 11:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/16/17 11:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/16/17 11:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/16/17 11:34	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			05/16/17 11:34	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			05/16/17 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		71 - 120		05/16/17 11:34	1
1,2-Dichloroethane-d4 (Surr)	113		71 - 127		05/16/17 11:34	1
Toluene-d8 (Surr)	101		75 - 120		05/16/17 11:34	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127974-1

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

Lab Sample ID: LCS 500-385300/4

Matrix: Water

Analysis Batch: 385300

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	45.6		ug/L		91	37 - 151
Bromoform	50.0	41.6		ug/L		83	45 - 169
Carbon tetrachloride	50.0	44.1		ug/L		88	70 - 140
Chloroform	50.0	49.3		ug/L		99	51 - 138
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 130
Dichlorobromomethane	50.0	48.1		ug/L		96	35 - 155
1,2-Dichloroethane	50.0	51.5		ug/L		103	49 - 155
1,1-Dichloroethene	50.0	44.4		ug/L		89	10 - 234
Ethylbenzene	50.0	47.7		ug/L		95	37 - 162
Methyl bromide	50.0	40.9		ug/L		82	10 - 242
Methyl chloride	50.0	39.0		ug/L		78	10 - 273
m&p-Xylene	50.0	49.2		ug/L		98	
o-Xylene	50.0	49.1		ug/L		98	
1,1,2,2-Tetrachloroethane	50.0	64.8		ug/L		130	46 - 157
Tetrachloroethene	50.0	44.0		ug/L		88	64 - 148
Toluene	50.0	50.1		ug/L		100	47 - 150
trans-1,2-Dichloroethene	50.0	45.0		ug/L		90	54 - 156
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	52 - 162
1,1,2-Trichloroethane	50.0	52.9		ug/L		106	52 - 150
Trichloroethene	50.0	42.3		ug/L		85	71 - 157
Vinyl chloride	50.0	43.2		ug/L		86	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		71 - 120
1,2-Dichloroethane-d4 (Surr)	113		71 - 127
Toluene-d8 (Surr)	103		75 - 120

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

Lab Sample ID: MB 490-429596/1-A

Matrix: Water

Analysis Batch: 429506

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 429596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		05/12/17 12:48	05/12/17 17:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	43		27 - 120	05/12/17 12:48	05/12/17 17:21	1
Terphenyl-d14	74		13 - 120	05/12/17 12:48	05/12/17 17:21	1
2-Fluorobiphenyl (Surr)	47		10 - 120	05/12/17 12:48	05/12/17 17:21	1

Lab Sample ID: LCS 490-429596/2-A

Matrix: Water

Analysis Batch: 429506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 429596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	4.00	2.76		ug/L		69	33 - 143

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127974-1

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

Lab Sample ID: LCS 490-429596/2-A
Matrix: Water
Analysis Batch: 429506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	4.00	2.46		ug/L		62	17 - 163
Benzo[b]fluoranthene	4.00	2.63		ug/L		66	24 - 159
Benzo[g,h,i]perylene	4.00	2.18		ug/L		54	10 - 219
Benzo[k]fluoranthene	4.00	2.45		ug/L		61	11 - 162
Chrysene	4.00	2.66		ug/L		66	17 - 168
Dibenz(a,h)anthracene	4.00	2.21		ug/L		55	10 - 227
Fluoranthene	4.00	2.65		ug/L		66	26 - 137
Indeno[1,2,3-cd]pyrene	4.00	2.24		ug/L		56	10 - 171
Naphthalene	4.00	2.04		ug/L		51	21 - 133
Phenanthrene	4.00	2.38		ug/L		59	54 - 120
Pyrene	4.00	2.57		ug/L		64	52 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	53		27 - 120
Terphenyl-d14	67		13 - 120
2-Fluorobiphenyl (Surr)	38		10 - 120

Lab Sample ID: LCSD 490-429596/3-A
Matrix: Water
Analysis Batch: 429506

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 429596

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzo[a]anthracene	4.00	3.36		ug/L		84	33 - 143	20	30
Benzo[a]pyrene	4.00	2.98		ug/L		75	17 - 163	19	30
Benzo[b]fluoranthene	4.00	3.10		ug/L		78	24 - 159	17	30
Benzo[g,h,i]perylene	4.00	2.81		ug/L		70	10 - 219	25	30
Benzo[k]fluoranthene	4.00	3.12		ug/L		78	11 - 162	24	30
Chrysene	4.00	3.18		ug/L		80	17 - 168	18	30
Dibenz(a,h)anthracene	4.00	3.10	*	ug/L		78	10 - 227	34	30
Fluoranthene	4.00	3.19		ug/L		80	26 - 137	18	30
Indeno[1,2,3-cd]pyrene	4.00	3.03		ug/L		76	10 - 171	30	30
Naphthalene	4.00	2.44		ug/L		61	21 - 133	18	30
Phenanthrene	4.00	2.95		ug/L		74	54 - 120	22	30
Pyrene	4.00	3.20		ug/L		80	52 - 115	22	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	53		27 - 120
Terphenyl-d14	84		13 - 120
2-Fluorobiphenyl (Surr)	49		10 - 120

Lab Chronicle

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

TestAmerica Job ID: 500-127974-1

Client Sample ID: Influent

Date Collected: 05/10/17 15:05

Date Received: 05/11/17 09:50

Lab Sample ID: 500-127974-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	DL	50	384870	05/12/17 16:48	JMP	TAL CHI
Total/NA	Analysis	624		5	385300	05/16/17 14:20	EMA	TAL CHI
Total/NA	Prep	625			429596	05/12/17 15:39	SAT	TAL NSH
Total/NA	Analysis	625 SIM		1	429931	05/15/17 11:17	T1C	TAL NSH

Client Sample ID: Effluent

Date Collected: 05/10/17 15:10

Date Received: 05/11/17 09:50

Lab Sample ID: 500-127974-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	384870	05/12/17 15:54	JMP	TAL CHI
Total/NA	Prep	625			429596	05/12/17 15:39	SAT	TAL NSH
Total/NA	Analysis	625 SIM		1	429931	05/15/17 11:38	T1C	TAL NSH

Client Sample ID: Trip Blank

Date Collected: 05/10/17 00:00

Date Received: 05/11/17 09:50

Lab Sample ID: 500-127974-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	385300	05/16/17 13:26	EMA	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

Accreditation/Certification Summary

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

TestAmerica Job ID: 500-127974-1

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

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998020430	08-31-17

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



500-127974 COC

Report To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# 106985

Chain of Custody Record

Lab Job #: 500-127974
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 5.5

Client		Client Project #		Preservative		Parameter												Preservative Key	
mkc																		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 #		Sampling		Matrix												Comments	
GETS				Date Time <td colspan="2"># of Containers Matrix</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td>		# of Containers Matrix													
Project Location/State		Lab Project #																	
madison, WI																			
Sampler		Lab PM																	
1	MS/MSD	Sample ID		Date Time		# of Containers Matrix		PAH		VDC								Report	
		Influent		5/10/17 305		5 W		X		X								benzo(a)	
2		Effluent		5/10/17 310		5 W		X		X								pyrene only	
3		Trip Blank		- -		1 W				X								for PAHs.	
																		See analyte list for VDCs.	

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
<u>Airaceta/Koshi</u>	<u>mkc</u>	<u>5/10/17</u>	<u>1600</u>	<u>Theresa Lopez</u>	<u>FA-CHE</u>	<u>5/11/17</u>	<u>0950</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: _____
Shipped: Red 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: _____

Parameter	Method
VOCs	
Bromoform	624
Carbon Tetrachloride	624
Dichlorobromomethane	624
1,2-Dichloroethane	624
1,1,1-Dichloroethylene	624
Methyl Bromide	624
Methyl Chloride	624
1,1,1,2-Tetrachloroethane	624
Tetrachloroethylene	624
1,1,2-Trichloroethane	624
1,1,1-Trichloroethane	624
Trichloroethylene	624
Vinyl Chloride	624
Cis-1,2-Dichloroethene	624
Trans-1,2-Dichloroethene	624
TSS	
Suspended Solids, Total	2540D
BTEX	
Benzene	624
Toluene	
Ethylbenzene	
Xylenes	



ORIGIN ID:MSNA (000) 000-0000
ALINA SATKOSKI
MADISON-KIPP CORPORATION
201 WAUBESA ST
MADISON, WI 53704
UNITED STATES US

SHIP DATE: 10MAY17
ACTWGT: 19.00
CAD: 699163015
DIMS: 24x14x15
BILL THIRD PARTY

TO: **ATTN: SAMPLE LOGIN**
TESTAMERICA LABS
2417 BOND ST



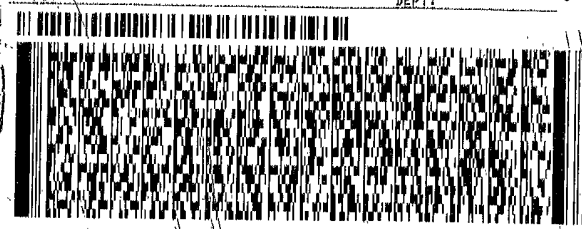
UNIVERSITY PARK IL 60484

(700) 634-6200
INVT
POL

REF:

DEPT:

500-127974 Waybill



FedEx
Express



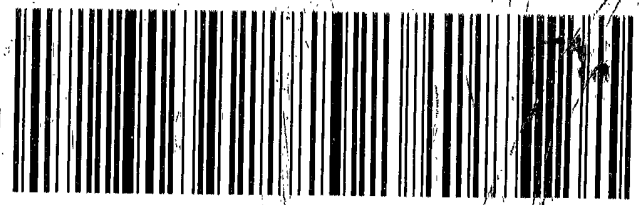
REL#
3785346

TRK# 7865 2909 9448
0201

THU - 11 MAY 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
ORD



48gt

COOLER RECEIPT FORM



Cooler Received/Opened On 05-12-2017 @ 09:20

Time Samples Removed From Cooler 13:46 Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 7199 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 17960357 pH Strip Lot _____ Chlorine Strip Lot _____
2. Temperature of rep. sample or temp blank when opened: 14 Degrees Celsius
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES..NO...NA
4. Were custody seals on outside of cooler? YES...NO...NA
If yes, how many and where: 1 Frank
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA
Were these signed and dated correctly? YES...NO...NA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA
- 13a. Were VOA vials received? YES...NO...NA
- b. Was there any observable headspace present in any VOA vial? YES...NO...NA
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) _____

- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA
- b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____

I certify that I attached a label with the unique LIMS number to each container (initial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

Loc: 500
127974

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)

Client Contact: Shipping/Receiving
Company: TestAmerica Laboratories, Inc
Address: 2960 Foster Creighton Drive, Nashville, TN, 37204
City: Nashville
State Zip: TN, 37204
Phone: 615-726-0177(Tel) 615-726-3404(Fax)
Email: WJ
Project Name: Madison/Kipp - GETS/SVE
Site: SSO/W#

Sampler: Lab P/N: Fredrick, Sandie J
Phone: E-Mail: sandie.fredrick@testamericainc.com
Accreditations Required (See note): State Program - Wisconsin

Due Date Requested: 5/16/2017
TAT Requested (days):
Analysis Requested

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix (W=Water, S=Soil, O=Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
Influent (500-127974-1)	5/10/17	15:05	Water	Water	X	X	2	
Effluent (500-127974-2)	5/10/17	15:10	Water	Water	X	X	2	

COCC No: 500-87164.1
Page: Page 1 of 1
Job #: 500-127974-1
Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Arsenic
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDTA
M - Hexane
N - None
O - AshNaO2
P - Na2OAS
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecylsulfate
U - Acetone
V - MCAA
W - pH 4.5
Z - other (Specify)
Other:

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)
Primary Deliverable Rank: 2
Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment: Months

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-127974-1

Login Number: 127974

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

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	5.5
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	



Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-127974-1

Login Number: 127974

List Number: 2

Creator: Shaw, Rashard M

List Source: TestAmerica Nashville

List Creation: 05/12/17 01:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
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	
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 <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	

