



July 12, 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 June with the exception of maintenance activities. This letter summarizes the activities completed in June 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 June 23, 2017, Wisconsin Department of Natural Resources (WNDR) clarified that benzo(a)pyrene is included in the parameters to be sampled quarterly, per Madison-Kipp's request to decrease sampling for select parameters from monthly to quarterly on March 14, 2017. Please note that sodium permanganate was added to the revised Discharge Monitoring Report (DMR) form along with additional footnotes for clarity. Per the revised DMR form and criteria for the monthly and quarterly monitoring, compliance samples were collected for oil and grease, biological oxygen demand, total suspended solids, chloride, select polycyclic aromatic hydrocarbons, volatile organic compounds, and visual monitoring for sodium permanganate on June 7, 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.

During this reporting period the air stripper trays were cleaned and compliance monitoring was completed following. The GETS flow rate was operated at 40 gallons per minute (gpm) between June 27 and June 30, 2017 to avoid water extraction into the vapor phase activated carbon



vessels while repairs to the soil vapor extraction (SVE) were completed. 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.
- (8) Between June 27 and June 30, the GETS extraction well was operated at 40 gpm.

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.



7-12-2017

Signature of Person Completing Form

Date



7-12-2017

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: 500-129281-1

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

6/12/2017 5:39:05 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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	10
QC Association	11
Surrogate Summary	12
QC Sample Results	13
Chronicle	17
Certification Summary	18
Chain of Custody	19
Receipt Checklists	23

Case Narrative

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

TestAmerica Job ID: 500-129281-1

Job ID: 500-129281-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-129281-1

Comments

No additional comments.

Receipt

The samples were received on 6/8/2017 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.2° C.

Receipt Exceptions

The following samples was received at the laboratory outside the required temperature criteria: Influent (500-129281-1), Effluent (500-129281-2) and Trip Blank (500-129281-3). 8.2.

GC/MS VOA

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

General Chemistry

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

TestAmerica Job ID: 500-129281-1

Client Sample ID: Influent

Lab Sample ID: 500-129281-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		5.0	2.0	ug/L	5		624	Total/NA
Trichloroethene	45		2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	2200		50	19	ug/L	50		624	Total/NA
HEM (Oil & Grease)	3.0	J	5.6	1.5	mg/L	1		1664B	Total/NA
Chloride	130		5.0	4.3	mg/L	25		300.0	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 500-129281-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	26		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	31		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	9.7		0.50	0.16	ug/L	1		624	Total/NA
HEM (Oil & Grease)	2.6	J	5.3	1.4	mg/L	1		1664B	Total/NA
Chloride	190		10	8.5	mg/L	50		300.0	Total/NA
Total Suspended Solids	3.5	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-129281-3

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: 500-129281-1

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: 500-129281-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-129281-1	Influent	Water	06/07/17 10:00	06/08/17 09:50
500-129281-2	Effluent	Water	06/07/17 10:10	06/08/17 09:50
500-129281-3	Trip Blank	Water	06/07/17 00:00	06/08/17 09:50

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

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

TestAmerica Job ID: 500-129281-1

Client Sample ID: Influent

Lab Sample ID: 500-129281-1

Date Collected: 06/07/17 10:00

Matrix: Water

Date Received: 06/08/17 09:50

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			06/10/17 00:33	5
Bromoform	<2.2		5.0	2.2	ug/L			06/10/17 00:33	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			06/10/17 00:33	5
Chloroform	<1.9		10	1.9	ug/L			06/10/17 00:33	5
cis-1,2-Dichloroethene	11		5.0	2.0	ug/L			06/10/17 00:33	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			06/10/17 00:33	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			06/10/17 00:33	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			06/10/17 00:33	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			06/10/17 00:33	5
Methyl bromide	<3.2		10	3.2	ug/L			06/10/17 00:33	5
Methyl chloride	<1.6		5.0	1.6	ug/L			06/10/17 00:33	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			06/10/17 00:33	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			06/10/17 00:33	5
Toluene	<0.76		2.5	0.76	ug/L			06/10/17 00:33	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			06/10/17 00:33	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			06/10/17 00:33	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			06/10/17 00:33	5
Trichloroethene	45		2.5	0.82	ug/L			06/10/17 00:33	5
Vinyl chloride	<1.0		2.5	1.0	ug/L			06/10/17 00:33	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			06/10/17 00:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		71 - 120		06/10/17 00:33	5
1,2-Dichloroethane-d4 (Surr)	94		71 - 127		06/10/17 00:33	5
Toluene-d8 (Surr)	103		75 - 120		06/10/17 00:33	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	2200		50	19	ug/L			06/10/17 00:59	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		71 - 120		06/10/17 00:59	50
1,2-Dichloroethane-d4 (Surr)	96		71 - 127		06/10/17 00:59	50
Toluene-d8 (Surr)	104		75 - 120		06/10/17 00:59	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	3.0	J	5.6	1.5	mg/L		06/09/17 11:15	06/09/17 14:48	1
Chloride	130		5.0	4.3	mg/L			06/12/17 13:27	25
Total Suspended Solids	<1.9		5.0	1.9	mg/L			06/08/17 11:49	1

Client Sample Results

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

TestAmerica Job ID: 500-129281-1

Client Sample ID: Effluent

Date Collected: 06/07/17 10:10

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-2

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			06/10/17 00:06	1
Bromoform	<0.45		1.0	0.45	ug/L			06/10/17 00:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/10/17 00:06	1
Chloroform	<0.37		2.0	0.37	ug/L			06/10/17 00:06	1
cis-1,2-Dichloroethene	26		1.0	0.41	ug/L			06/10/17 00:06	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/10/17 00:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/10/17 00:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/10/17 00:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/10/17 00:06	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/10/17 00:06	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/10/17 00:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/10/17 00:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/10/17 00:06	1
Tetrachloroethene	31		1.0	0.37	ug/L			06/10/17 00:06	1
Toluene	<0.15		0.50	0.15	ug/L			06/10/17 00:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/10/17 00:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/10/17 00:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/10/17 00:06	1
Trichloroethene	9.7		0.50	0.16	ug/L			06/10/17 00:06	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/10/17 00:06	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/10/17 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		71 - 120		06/10/17 00:06	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 127		06/10/17 00:06	1
Toluene-d8 (Surr)	100		75 - 120		06/10/17 00:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	2.6	J	5.3	1.4	mg/L		06/09/17 11:15	06/09/17 14:53	1
Chloride	190		10	8.5	mg/L			06/12/17 15:21	50
Total Suspended Solids	3.5	J	5.0	1.9	mg/L			06/08/17 11:52	1

Client Sample Results

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

TestAmerica Job ID: 500-129281-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-129281-3

Date Collected: 06/07/17 00:00

Matrix: Water

Date Received: 06/08/17 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			06/09/17 23:40	1
Bromoform	<0.45		1.0	0.45	ug/L			06/09/17 23:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/17 23:40	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/17 23:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/17 23:40	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/09/17 23:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/17 23:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/17 23:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 23:40	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/09/17 23:40	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/09/17 23:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 23:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/17 23:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/17 23:40	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 23:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/17 23:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/17 23:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/17 23:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/17 23:40	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/09/17 23:40	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/09/17 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		71 - 120		06/09/17 23:40	1
1,2-Dichloroethane-d4 (Surr)	92		71 - 127		06/09/17 23:40	1
Toluene-d8 (Surr)	100		75 - 120		06/09/17 23:40	1

Definitions/Glossary

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

TestAmerica Job ID: 500-129281-1

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.
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: 500-129281-1

GC/MS VOA

Analysis Batch: 388904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	624	
500-129281-1 - DL	Influent	Total/NA	Water	624	
500-129281-2	Effluent	Total/NA	Water	624	
500-129281-3	Trip Blank	Total/NA	Water	624	
MB 500-388904/31	Method Blank	Total/NA	Water	624	
LCS 500-388904/29	Lab Control Sample	Total/NA	Water	624	
500-129281-2 MS	Effluent	Total/NA	Water	624	
500-129281-2 MSD	Effluent	Total/NA	Water	624	

General Chemistry

Analysis Batch: 388705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	SM 2540D	
500-129281-2	Effluent	Total/NA	Water	SM 2540D	
MB 500-388705/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-388705/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-129281-1 DU	Influent	Total/NA	Water	SM 2540D	

Prep Batch: 388828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	1664B	
500-129281-2	Effluent	Total/NA	Water	1664B	
MB 500-388828/1-A	Method Blank	Total/NA	Water	1664B	
LCS 500-388828/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 388860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	1664B	388828
500-129281-2	Effluent	Total/NA	Water	1664B	388828
MB 500-388828/1-A	Method Blank	Total/NA	Water	1664B	388828
LCS 500-388828/2-A	Lab Control Sample	Total/NA	Water	1664B	388828

Analysis Batch: 389154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	300.0	
500-129281-2	Effluent	Total/NA	Water	300.0	
MB 500-389154/3	Method Blank	Total/NA	Water	300.0	
LCS 500-389154/4	Lab Control Sample	Total/NA	Water	300.0	

Surrogate Summary

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

TestAmerica Job ID: 500-129281-1

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)
500-129281-1	Influent	96	94	103
500-129281-1 - DL	Influent	98	96	104
500-129281-2	Effluent	97	96	100
500-129281-2 MS	Effluent	95	93	101
500-129281-2 MSD	Effluent	96	93	102
500-129281-3	Trip Blank	99	92	100
LCS 500-388904/29	Lab Control Sample	95	95	102
MB 500-388904/31	Method Blank	99	94	104

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: 500-129281-1

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

Lab Sample ID: MB 500-388904/31

Matrix: Water

Analysis Batch: 388904

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			06/09/17 21:28	1
Bromoform	<0.45		1.0	0.45	ug/L			06/09/17 21:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/17 21:28	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/17 21:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/17 21:28	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/09/17 21:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/17 21:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/17 21:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 21:28	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/09/17 21:28	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/09/17 21:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 21:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/17 21:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/17 21:28	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 21:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/17 21:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/17 21:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/17 21:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/17 21:28	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/09/17 21:28	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/09/17 21:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		71 - 120		06/09/17 21:28	1
1,2-Dichloroethane-d4 (Surr)	94		71 - 127		06/09/17 21:28	1
Toluene-d8 (Surr)	104		75 - 120		06/09/17 21:28	1

Lab Sample ID: LCS 500-388904/29

Matrix: Water

Analysis Batch: 388904

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	48.7		ug/L		97	37 - 151
Bromoform	50.0	48.3		ug/L		97	45 - 169
Carbon tetrachloride	50.0	43.0		ug/L		86	70 - 140
Chloroform	50.0	46.0		ug/L		92	51 - 138
cis-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 130
Dichlorobromomethane	50.0	47.1		ug/L		94	35 - 155
1,2-Dichloroethane	50.0	48.0		ug/L		96	49 - 155
1,1-Dichloroethene	50.0	43.5		ug/L		87	10 - 234
Ethylbenzene	50.0	48.7		ug/L		97	37 - 162
Methyl bromide	50.0	40.9		ug/L		82	10 - 242
Methyl chloride	50.0	32.4		ug/L		65	10 - 273
m&p-Xylene	50.0	46.2		ug/L		92	
o-Xylene	50.0	47.3		ug/L		95	
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/L		99	46 - 157
Tetrachloroethene	50.0	49.4		ug/L		99	64 - 148
Toluene	50.0	46.0		ug/L		92	47 - 150

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-129281-1

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

Lab Sample ID: LCS 500-388904/29

Matrix: Water

Analysis Batch: 388904

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	45.4		ug/L		91	54 - 156
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	52 - 162
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	52 - 150
Trichloroethene	50.0	45.4		ug/L		91	71 - 157
Vinyl chloride	50.0	33.5		ug/L		67	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		71 - 120
1,2-Dichloroethane-d4 (Surr)	95		71 - 127
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: 500-129281-2 MS

Matrix: Water

Analysis Batch: 388904

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	45.3		ug/L		91	37 - 151
Bromoform	<0.45		50.0	43.0		ug/L		86	45 - 169
Carbon tetrachloride	<0.38		50.0	41.3		ug/L		83	70 - 140
Chloroform	<0.37		50.0	43.3		ug/L		87	51 - 138
cis-1,2-Dichloroethene	26		50.0	69.6		ug/L		87	70 - 130
Dichlorobromomethane	<0.37		50.0	43.7		ug/L		87	35 - 155
1,2-Dichloroethane	<0.39		50.0	44.1		ug/L		88	49 - 155
1,1-Dichloroethene	<0.39		50.0	42.3		ug/L		85	10 - 234
Ethylbenzene	<0.18		50.0	45.6		ug/L		91	37 - 162
Methyl bromide	<0.65		50.0	38.5		ug/L		77	10 - 242
Methyl chloride	<0.32		50.0	32.2		ug/L		64	10 - 273
m&p-Xylene	<0.40		50.0	42.9		ug/L		86	
o-Xylene	<0.22		50.0	44.8		ug/L		90	
1,1,1,2-Tetrachloroethane	<0.40		50.0	46.1		ug/L		92	46 - 157
Tetrachloroethene	31		50.0	76.2		ug/L		91	64 - 148
Toluene	<0.15		50.0	42.3		ug/L		85	47 - 150
trans-1,2-Dichloroethene	<0.35		50.0	43.4		ug/L		87	54 - 156
1,1,1-Trichloroethane	<0.38		50.0	42.3		ug/L		85	52 - 162
1,1,2-Trichloroethane	<0.35		50.0	45.9		ug/L		92	52 - 150
Trichloroethene	9.7		50.0	51.5		ug/L		84	71 - 157
Vinyl chloride	<0.20		50.0	34.7		ug/L		69	10 - 251

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		71 - 120
1,2-Dichloroethane-d4 (Surr)	93		71 - 127
Toluene-d8 (Surr)	101		75 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-129281-1

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

Lab Sample ID: 500-129281-2 MSD
Matrix: Water
Analysis Batch: 388904

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	45.9		ug/L		92	37 - 151	1	20
Bromoform	<0.45		50.0	44.1		ug/L		88	45 - 169	3	20
Carbon tetrachloride	<0.38		50.0	41.8		ug/L		84	70 - 140	1	20
Chloroform	<0.37		50.0	43.2		ug/L		86	51 - 138	0	20
cis-1,2-Dichloroethene	26		50.0	71.2		ug/L		90	70 - 130	2	20
Dichlorobromomethane	<0.37		50.0	43.7		ug/L		87	35 - 155	0	20
1,2-Dichloroethane	<0.39		50.0	43.6		ug/L		87	49 - 155	1	20
1,1-Dichloroethene	<0.39		50.0	41.8		ug/L		84	10 - 234	1	20
Ethylbenzene	<0.18		50.0	45.7		ug/L		91	37 - 162	0	20
Methyl bromide	<0.65		50.0	36.1		ug/L		72	10 - 242	7	20
Methyl chloride	<0.32		50.0	31.8		ug/L		64	10 - 273	1	20
m&p-Xylene	<0.40		50.0	43.4		ug/L		87		1	
o-Xylene	<0.22		50.0	44.3		ug/L		89		1	
1,1,2,2-Tetrachloroethane	<0.40		50.0	45.6		ug/L		91	46 - 157	1	20
Tetrachloroethene	31		50.0	76.7		ug/L		92	64 - 148	1	20
Toluene	<0.15		50.0	42.1		ug/L		84	47 - 150	0	20
trans-1,2-Dichloroethene	<0.35		50.0	43.8		ug/L		88	54 - 156	1	20
1,1,1-Trichloroethane	<0.38		50.0	43.2		ug/L		86	52 - 162	2	20
1,1,2-Trichloroethane	<0.35		50.0	45.3		ug/L		91	52 - 150	1	20
Trichloroethene	9.7		50.0	53.0		ug/L		87	71 - 157	3	20
Vinyl chloride	<0.20		50.0	32.7		ug/L		65	10 - 251	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		71 - 120
1,2-Dichloroethane-d4 (Surr)	93		71 - 127
Toluene-d8 (Surr)	102		75 - 120

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-388828/1-A
Matrix: Water
Analysis Batch: 388860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.3		5.0	1.3	mg/L		06/09/17 11:15	06/09/17 13:40	1

Lab Sample ID: LCS 500-388828/2-A
Matrix: Water
Analysis Batch: 388860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	36.10		mg/L		90	78 - 114

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-129281-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-389154/3
Matrix: Water
Analysis Batch: 389154

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.17		0.20	0.17	mg/L			06/12/17 13:02	1

Lab Sample ID: LCS 500-389154/4
Matrix: Water
Analysis Batch: 389154

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	3.09		mg/L		103	90 - 110

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

Lab Sample ID: MB 500-388705/1
Matrix: Water
Analysis Batch: 388705

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	<1.9		5.0	1.9	mg/L			06/08/17 11:20	1

Lab Sample ID: LCS 500-388705/2
Matrix: Water
Analysis Batch: 388705

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	194		mg/L		97	80 - 120

Lab Sample ID: 500-129281-1 DU
Matrix: Water
Analysis Batch: 388705

Client Sample ID: Influent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	<1.9		3.00	J	mg/L		NC	5

Lab Chronicle

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

TestAmerica Job ID: 500-129281-1

Client Sample ID: Influent

Date Collected: 06/07/17 10:00

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	388904	06/10/17 00:33	JMP	TAL CHI
Total/NA	Analysis	624	DL	50	388904	06/10/17 00:59	JMP	TAL CHI
Total/NA	Prep	1664B			388828	06/09/17 11:15	MTB	TAL CHI
Total/NA	Analysis	1664B		1	388860	06/09/17 14:48	MTB	TAL CHI
Total/NA	Analysis	300.0		25	389154	06/12/17 13:27	EAT	TAL CHI
Total/NA	Analysis	SM 2540D		1	388705		SMO	TAL CHI
						(Start) 06/08/17 11:49		
						(End) 06/08/17 11:50		

Client Sample ID: Effluent

Date Collected: 06/07/17 10:10

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	388904	06/10/17 00:06	JMP	TAL CHI
Total/NA	Prep	1664B			388828	06/09/17 11:15	MTB	TAL CHI
Total/NA	Analysis	1664B		1	388860	06/09/17 14:53	MTB	TAL CHI
Total/NA	Analysis	300.0		50	389154	06/12/17 15:21	EAT	TAL CHI
Total/NA	Analysis	SM 2540D		1	388705		SMO	TAL CHI
						(Start) 06/08/17 11:52		
						(End) 06/08/17 11:53		

Client Sample ID: Trip Blank

Date Collected: 06/07/17 00:00

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	388904	06/09/17 23:40	JMP	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: 500-129281-1

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

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: +
 Address: Andy Stehn
 Address:
 Phone:
 Fax:
 E-Mail:


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

Chain of Custody Record

Lab Job #: 500-129281
 Chain of Custody Number: _____
 Page 1 of 1
 Temperature °C of Cooler: 8.178.2

Client		Client Project #		Preservative		Parameter													
<u>MKC</u>																			
Project Name		Lab Project #		# of Containers		Matrix													
<u>GETS</u>																			
Project Location/State		Lab PM																	
<u>Madison, WI</u>		<u>Sandic Fredrick</u>																	
Sampler		Date		Time															
<u>A. Satkoski</u>																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix													
<u>1</u>		<u>Influent</u>	<u>6/17/17</u>	<u>1000</u>	<u>9</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>2</u>		<u>Effluent</u>	<u>6/17/17</u>	<u>1010</u>	<u>9</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>3</u>		<u>Trip Blank</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>W</u>		<u>X</u>											

Preservative Key
 Cool to 4°
 Cool to 4°
 Cool to 4°
 Zn, Cool to 4°
 O4
 to 4°
 3
 2F



500-129281 COC

Comments
for VOCs +
PATTS see
attached
analyte
list

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>6/17/17</u>	Time <u>16:00</u>	Received By <u>Julie Samak</u>	Company <u>TRMT</u>	Date <u>06/08/17</u>	Time <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 Ex Priority
 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-Dichloroethylene	624
Methyl Bromide	624
Methyl Chloride	624
1,1,2,2-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	



PAHs (Group of 10)

Benzo(a)anthracene	625 SIM
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Chrysene	
Dibenzo(a,h)anthracene	
Fluoranthene	
Indeno(1,2,3-cd)pyrene	
Phenanthrene	
Pyrene	

PAHs

Benzo(a)pyrene	625 SIM
Naphthalene	

Oil and Grease

Oil and Grease	1664
----------------	------

BOD₅

BOD ₅	5210B
------------------	-------

Anions

Chloride	300
----------	-----

ORIGIN ID: JOTA (708) 534-5200
ALINA SATKOSKI
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WI 53704
UNITED STATES US

SHIP DATE: 06.08
ACTWGT: 50
CAD: 33264/LHFE5011

0151
06.08
A

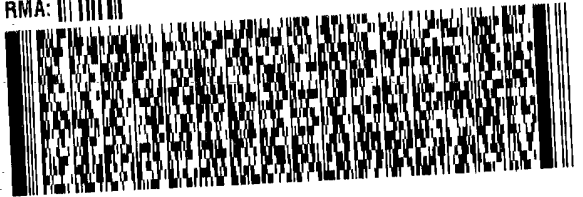
TO **SAMPLE LOGIN**
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK IL 60466

(708) 634-5200
DEPT: PM

REF: S500-60849DM

RMA: 



FedEx
Express



FedEx
TRK# 6514 8435 0151
0221

THU - 08 JUN 10:30A
PRIORITY OVERNIGHT

79 JOTA

60466
IL-US **ORD**



#1817310 06/07 546J1/A502/53C1



500-129281 Waybill

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

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-129281-1

Login Number: 129281

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel 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.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	8.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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	



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: 500-129281-2

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

6/13/2017 3:39:33 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.

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	9
QC Association	10
Surrogate Summary	11
QC Sample Results	12
Chronicle	14
Certification Summary	15
Chain of Custody	16
Receipt Checklists	22

Case Narrative

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

TestAmerica Job ID: 500-129281-2

Job ID: 500-129281-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-129281-2

Comments

No additional comments.

Receipt

The samples were received on 6/8/2017 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.2° 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 490-436467 and analytical batch 490-436769.

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: 500-129281-2

Client Sample ID: Influent

Lab Sample ID: 500-129281-1

No Detections.

Client Sample ID: Effluent

Lab Sample ID: 500-129281-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.14		0.10	0.050	ug/L	1		625 SIM	Total/NA

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: 500-129281-2

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: 500-129281-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-129281-1	Influent	Water	06/07/17 10:00	06/08/17 09:50
500-129281-2	Effluent	Water	06/07/17 10:10	06/08/17 09:50

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

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

TestAmerica Job ID: 500-129281-2

Client Sample ID: Influent

Date Collected: 06/07/17 10:00

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-1

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	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:16	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:16	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:16	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Chrysene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:16	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:16	1
Naphthalene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1
Pyrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		27 - 120	06/10/17 13:48	06/13/17 02:16	1
Terphenyl-d14	59		13 - 120	06/10/17 13:48	06/13/17 02:16	1
2-Fluorobiphenyl (Surr)	52		10 - 120	06/10/17 13:48	06/13/17 02:16	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			06/08/17 17:00	1

Client Sample Results

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

TestAmerica Job ID: 500-129281-2

Client Sample ID: Effluent

Date Collected: 06/07/17 10:10

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-2

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	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:36	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:36	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:36	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Chrysene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:36	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 02:36	1
Naphthalene	0.14		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1
Pyrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		27 - 120	06/10/17 13:48	06/13/17 02:36	1
Terphenyl-d14	74		13 - 120	06/10/17 13:48	06/13/17 02:36	1
2-Fluorobiphenyl (Surr)	51		10 - 120	06/10/17 13:48	06/13/17 02:36	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			06/08/17 17:20	1

Definitions/Glossary

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

TestAmerica Job ID: 500-129281-2

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: 500-129281-2

GC/MS Semi VOA

Prep Batch: 436467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	625	
500-129281-2	Effluent	Total/NA	Water	625	
MB 490-436467/1-A	Method Blank	Total/NA	Water	625	
LCS 490-436467/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-436467/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 436769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	625 SIM	436467
500-129281-2	Effluent	Total/NA	Water	625 SIM	436467
MB 490-436467/1-A	Method Blank	Total/NA	Water	625 SIM	436467
LCS 490-436467/2-A	Lab Control Sample	Total/NA	Water	625 SIM	436467
LCSD 490-436467/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	436467

General Chemistry

Analysis Batch: 388643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129281-1	Influent	Total/NA	Water	SM 5210B	
500-129281-2	Effluent	Total/NA	Water	SM 5210B	
USB 500-388643/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 500-388643/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Surrogate Summary

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

TestAmerica Job ID: 500-129281-2

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)
500-129281-1	Influent	61	59	52
500-129281-2	Effluent	61	74	51
LCS 490-436467/2-A	Lab Control Sample	72	71	65
LCSD 490-436467/3-A	Lab Control Sample Dup	77	74	69
MB 490-436467/1-A	Method Blank	70	84	69

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: 500-129281-2

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

Lab Sample ID: MB 490-436467/1-A
Matrix: Water
Analysis Batch: 436769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 01:14	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 01:14	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 01:14	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Chrysene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 01:14	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/10/17 13:48	06/13/17 01:14	1
Naphthalene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1
Pyrene	<0.050		0.10	0.050	ug/L		06/10/17 13:48	06/13/17 01:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		27 - 120	06/10/17 13:48	06/13/17 01:14	1
Terphenyl-d14	84		13 - 120	06/10/17 13:48	06/13/17 01:14	1
2-Fluorobiphenyl (Surr)	69		10 - 120	06/10/17 13:48	06/13/17 01:14	1

Lab Sample ID: LCS 490-436467/2-A
Matrix: Water
Analysis Batch: 436769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzo[a]anthracene	4.00	2.80		ug/L		70	33 - 143
Benzo[a]pyrene	4.00	2.34		ug/L		59	17 - 163
Benzo[b]fluoranthene	4.00	2.45		ug/L		61	24 - 159
Benzo[g,h,i]perylene	4.00	2.08		ug/L		52	10 - 219
Benzo[k]fluoranthene	4.00	2.68		ug/L		67	11 - 162
Chrysene	4.00	2.72		ug/L		68	17 - 168
Dibenz(a,h)anthracene	4.00	2.27		ug/L		57	10 - 227
Fluoranthene	4.00	2.60		ug/L		65	26 - 137
Indeno[1,2,3-cd]pyrene	4.00	2.13		ug/L		53	10 - 171
Naphthalene	4.00	2.33		ug/L		58	21 - 133
Phenanthrene	4.00	2.67		ug/L		67	54 - 120
Pyrene	4.00	2.86		ug/L		72	52 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	72		27 - 120
Terphenyl-d14	71		13 - 120
2-Fluorobiphenyl (Surr)	65		10 - 120

Lab Sample ID: LCSD 490-436467/3-A
Matrix: Water
Analysis Batch: 436769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 436467

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Benzo[a]anthracene	4.00	2.85		ug/L		71	33 - 143	2	30

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-129281-2

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

Lab Sample ID: LCSD 490-436467/3-A
Matrix: Water
Analysis Batch: 436769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 436467

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	4.00	2.48		ug/L		62	17 - 163	6	30
Benzo[b]fluoranthene	4.00	2.49		ug/L		62	24 - 159	2	30
Benzo[g,h,i]perylene	4.00	2.08		ug/L		52	10 - 219	0	30
Benzo[k]fluoranthene	4.00	2.67		ug/L		67	11 - 162	0	30
Chrysene	4.00	2.93		ug/L		73	17 - 168	8	30
Dibenz(a,h)anthracene	4.00	2.29		ug/L		57	10 - 227	1	30
Fluoranthene	4.00	2.73		ug/L		68	26 - 137	5	30
Indeno[1,2,3-cd]pyrene	4.00	2.12		ug/L		53	10 - 171	0	30
Naphthalene	4.00	2.62		ug/L		65	21 - 133	12	30
Phenanthrene	4.00	2.88		ug/L		72	54 - 120	8	30
Pyrene	4.00	2.97		ug/L		74	52 - 115	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	77		27 - 120
Terphenyl-d14	74		13 - 120
2-Fluorobiphenyl (Surr)	69		10 - 120

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 500-388643/1
Matrix: Water
Analysis Batch: 388643

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			06/08/17 12:01	1

Lab Sample ID: LCS 500-388643/2
Matrix: Water
Analysis Batch: 388643

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	226		mg/L		114	85 - 115

Lab Chronicle

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

TestAmerica Job ID: 500-129281-2

Client Sample ID: Influent

Date Collected: 06/07/17 10:00

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			436467	06/10/17 13:48	SAT	TAL NSH
Total/NA	Analysis	625 SIM		1	436769	06/13/17 02:16	T1C	TAL NSH
Total/NA	Analysis	SM 5210B		1	388643		SSN	TAL CHI
					(Start)	06/08/17 17:00		
					(End)	06/08/17 17:20		

Client Sample ID: Effluent

Date Collected: 06/07/17 10:10

Date Received: 06/08/17 09:50

Lab Sample ID: 500-129281-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			436467	06/10/17 13:48	SAT	TAL NSH
Total/NA	Analysis	625 SIM		1	436769	06/13/17 02:36	T1C	TAL NSH
Total/NA	Analysis	SM 5210B		1	388643		SSN	TAL CHI
					(Start)	06/08/17 17:20		
					(End)	06/08/17 17:40		

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: 500-129281-2

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

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: +
Address: Andy Stehn
Address:
Phone:
Fax:
E-Mail:


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

Chain of Custody Record

Lab Job #: 500-129281
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 8.178.2

Client		Client Project #		Preservative		Parameter														
<u>MKC</u>																				
Project Name		Project Location/State		Lab Project #		Matrix														
<u>GETS</u>		<u>Madison, WI</u>				<u>BOD/SS/ Chloride</u>		<u>VOCs</u>		<u>PATTS</u>		<u>Oil + Grease</u>								
Sampler		Lab PM																		
<u>A. Satkoski</u>		<u>Sandic Fredrick</u>																		
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	BOD/SS/ Chloride	VOCs	PATTS	Oil + Grease										Comments
			Date	Time																
<u>1</u>		<u>Influent</u>	<u>6/17/17</u>	<u>1000g</u>	<u>9</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>										<u>for VOCs + PATTS see attached analytical list</u>
<u>2</u>		<u>Effluent</u>	<u>6/17/17</u>	<u>1010</u>	<u>9</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>										
<u>3</u>		<u>Trip Blank</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>W</u>		<u>X</u>												

Preservative Key
 Cool to 4°
 Cool to 4°
 Cool to 4°
 Zn, Cool to 4°
 O4
 to 4°
 3
 2F



500-129281 COC

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>6/17/17</u>	Time <u>16:00</u>	Received By <u>Julie Samak</u>	Company <u>TRMT</u>	Date <u>06/08/17</u>	Time <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 Ex Priority
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-Dichloroethylene	624
Methyl Bromide	624
Methyl Chloride	624
1,1,2,2-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	



PAHs (Group of 10)

Benzo(a)anthracene	625 SIM
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Chrysene	
Dibenzo(a,h)anthracene	
Fluoranthene	
Indeno(1,2,3-cd)pyrene	
Phenanthrene	
Pyrene	

PAHs

Benzo(a)pyrene	625 SIM
Naphthalene	

Oil and Grease

Oil and Grease	1664
----------------	------

BOD₅

BOD ₅	5210B
------------------	-------

Anions


Chloride	300
----------	-----

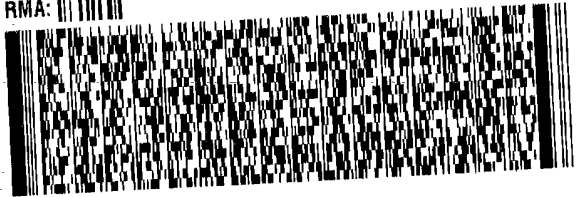
ORIGIN ID: JOTA (708) 534-5200
ALINA SATKOSKI
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WI 53704
UNITED STATES US

SHIP DATE: 06.08
ACTWGT: 50
CAD: 33264/LHFE5011

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

UNIVERSITY PARK IL 60466
(708) 634-5200 REF: S500-60849DM
DEPT: PM

RMA: 



FedEx
Express


FedEx
TRK# 6514 8435 0151
0221

THU - 08 JUN 10:30A
PRIORITY OVERNIGHT

79 JOTA

60466
IL-US **ORD**



#1817310 06/07 546J1/A502/53C1



500-129281 Waybill



COOLER RECEIPT FORM

Cooler Received/Opened On 6/9/2017 @ 1010

Time Samples Removed From Cooler _____ Time Samples Placed in Storage _____ (2 Hour Window)

1. Tracking # 6837 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 160656843 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 0.9 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 front

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) KG

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) es

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) es

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) es

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

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

TestAmerica Chicago

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

Chain of Custody Record

500-129281



Job No: 10-88858-1

Page 1 of 1

500-129281-2

Preservation Codes:

- A - HCL
- B - NaOH
- C - Zn Acetate
- D - Nitric Acid
- E - NaHSO4
- F - MeOH
- G - Amehlor
- H - Ascorbic Acid
- I - Ice
- J - DI Water
- K - EDTA
- L - EDTA
- M - Hexane
- N - None
- O - ASN#02
- P - Na2O4S
- Q - Na2SO3
- R - Na2S2O3
- S - H2SO4
- T - TSP Dodecahydrate
- U - Acetone
- V - MCAA
- W - pH 4-5
- Z - other (specify)

Client Information (Sub Contract Lab)

Client Contact: **TestAmerica Laboratories, Inc**
Shipping/Receiving: **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: **WO #:**

Lab P.M.: **Fredrick, Sandie J**
E-Mail: **sandie.fredrick@lestamerica.com**

Wisconsin

Due Date Requested: **6/13/2017**

TAT Requested (days):

Analysis Requested

Accreditations Required (See note):
State Program - Wisconsin

Project Name: **MadisonKipp - GETS/SVE**
Project #: **50009145**
SSOW#:

Sample Identification - Client ID (Lab ID)

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Oil, etc.)
Influent (500-129281-1)	6/7/17	10:00 Central		Water
Effluent (500-129281-2)	6/7/17	10:10 Central		Water

Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)

625_SIM/625_Prep_LVI (MOD) Single compound

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	Field Filtered	MS/MSD	Other
Influent (500-129281-1)	6/7/17	10:00 Central		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Effluent (500-129281-2)	6/7/17	10:10 Central		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Total Number of containers: **2**

Special Instructions/Note:

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/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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client
 Disposal By Lab
 Archive For _____ Months

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: *[Signature]*

Date/Time: **6/8/17**

Company: *[Signature]*

Received by: *[Signature]*

Date/Time: **6-9-17**

Company: **10/10**

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Custody Seals Intact: Yes No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: **0.9**

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-129281-2

Login Number: 129281

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel 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.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	8.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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: 500-129281-2

Login Number: 129281

List Number: 2

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 06/09/17 12:55 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	

