



December 6, 2017

Karl Knutson
Wisconsin Department of Natural Resources
Southeast Region
General Wastewater Permits
2300 N Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

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

Dear Mr. Knutson,

The Groundwater Extraction and Treatment System (GETS) ran for the month of November with the exception of maintenance activities. This letter summarizes the activities completed in November 2017 as part of the GETS at the Madison-Kipp Corporation (MKC) site under the Wisconsin Pollution Discharge Elimination System (WPDES) Permit WI-0046566-6. Compliance samples were collected for volatile organic compounds and visual monitoring for sodium permanganate on November 13, 2017. The effluent was also sampled for total suspended solids as the air stripper was serviced and cleaned during this reporting period. The compliance sample results were below the WPDES discharge limits. The Discharge Monitoring Report is included as Attachment A and laboratory reports are included as Attachment B. The GETS ran at 40 gpm between November 1 and November 6, 2017 and was shut down between November 7 and November 12, 2017 due to a maintenance issue. The system was restarted on November 13, 2017 and adjusted to operate at 45 gpm as designed.

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 BETX is the sum of the benzene, ethylbenzene, toluene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.
- (2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted.
- (3) Madison-Kipp/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) The GETS was operated at 40 gpm for part of November due to a maintenance issue. The effluent sample was collected while the system was operating 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.

Alina Sotkewicz

12-6-2017

Signature of Person Completing Form

Date

Alina Sotkewicz

12-6-2017

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: 500-137244-1

Client Project/Site: MadisonKipp - GETS/SVE

For:

Madison-Kipp Corporation

201 Waubesa Street

Madison, Wisconsin 53704

Attn: Alina Satkoski



Authorized for release by:

11/15/2017 3:48:35 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: 500-137244-1

Job ID: 500-137244-1

Laboratory: TestAmerica Chicago

Narrative

**Job Narrative
500-137244-1**

Comments

No additional comments.

Receipt

The samples were received on 11/14/2017 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

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.

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Detection Summary

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

TestAmerica Job ID: 500-137244-1

Client Sample ID: Influent

Lab Sample ID: 500-137244-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	450		5.0	2.0	ug/L	5		624	Total/NA
trans-1,2-Dichloroethene	4.6	J	5.0	1.7	ug/L	5		624	Total/NA
Trichloroethene	370		2.5	0.82	ug/L	5		624	Total/NA
Vinyl chloride	3.2		2.5	1.0	ug/L	5		624	Total/NA
Tetrachloroethene - DL	1600		50	19	ug/L	50		624	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 500-137244-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	14		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	5.4		0.50	0.16	ug/L	1		624	Total/NA
Total Suspended Solids	2.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-137244-3

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: 500-137244-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
SM 2540D	Solids, Total Suspended (TSS)	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



Sample Summary

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

TestAmerica Job ID: 500-137244-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-137244-1	Influent	Water	11/13/17 09:00	11/14/17 10:30
500-137244-2	Effluent	Water	11/13/17 09:05	11/14/17 10:30
500-137244-3	Trip Blank	Water	11/13/17 00:00	11/14/17 10:30

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Client Sample Results

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

TestAmerica Job ID: 500-137244-1

Client Sample ID: Influent

Date Collected: 11/13/17 09:00

Date Received: 11/14/17 10:30

Lab Sample ID: 500-137244-1

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			11/15/17 10:52	5
Bromoform	<2.2		5.0	2.2	ug/L			11/15/17 10:52	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			11/15/17 10:52	5
Chloroform	<1.9		10	1.9	ug/L			11/15/17 10:52	5
cis-1,2-Dichloroethene	450		5.0	2.0	ug/L			11/15/17 10:52	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			11/15/17 10:52	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			11/15/17 10:52	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			11/15/17 10:52	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			11/15/17 10:52	5
Methyl bromide	<3.2		10	3.2	ug/L			11/15/17 10:52	5
Methyl chloride	<1.6		5.0	1.6	ug/L			11/15/17 10:52	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			11/15/17 10:52	5
1,1,1,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			11/15/17 10:52	5
Toluene	<0.76		2.5	0.76	ug/L			11/15/17 10:52	5
trans-1,2-Dichloroethene	4.6	J	5.0	1.7	ug/L			11/15/17 10:52	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			11/15/17 10:52	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			11/15/17 10:52	5
Trichloroethene	370		2.5	0.82	ug/L			11/15/17 10:52	5
Vinyl chloride	3.2		2.5	1.0	ug/L			11/15/17 10:52	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			11/15/17 10:52	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		71 - 120					11/15/17 10:52	5
1,2-Dichloroethane-d4 (Surr)	84		71 - 127					11/15/17 10:52	5
Toluene-d8 (Surr)	105		75 - 120					11/15/17 10:52	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1600		50	19	ug/L			11/15/17 11:19	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		71 - 120					11/15/17 11:19	50
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/15/17 11:19	50
Toluene-d8 (Surr)	104		75 - 120					11/15/17 11:19	50

Client Sample Results

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

TestAmerica Job ID: 500-137244-1

Client Sample ID: Effluent

Date Collected: 11/13/17 09:05

Date Received: 11/14/17 10:30

Lab Sample ID: 500-137244-2

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			11/15/17 11:45	1
Bromoform	<0.45		1.0	0.45	ug/L			11/15/17 11:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/15/17 11:45	1
Chloroform	<0.37		2.0	0.37	ug/L			11/15/17 11:45	1
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L			11/15/17 11:45	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			11/15/17 11:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/15/17 11:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/15/17 11:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/17 11:45	1
Methyl bromide	<0.65		2.0	0.65	ug/L			11/15/17 11:45	1
Methyl chloride	<0.32		1.0	0.32	ug/L			11/15/17 11:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/17 11:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/15/17 11:45	1
Tetrachloroethene	14		1.0	0.37	ug/L			11/15/17 11:45	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/17 11:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/15/17 11:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/15/17 11:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/15/17 11:45	1
Trichloroethene	5.4		0.50	0.16	ug/L			11/15/17 11:45	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			11/15/17 11:45	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			11/15/17 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		71 - 120		11/15/17 11:45	1
1,2-Dichloroethane-d4 (Surr)	85		71 - 127		11/15/17 11:45	1
Toluene-d8 (Surr)	102		75 - 120		11/15/17 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	5.0	1.9	mg/L			11/14/17 17:23	1

Client Sample Results

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

TestAmerica Job ID: 500-137244-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-137244-3

Date Collected: 11/13/17 00:00

Matrix: Water

Date Received: 11/14/17 10:30

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			11/15/17 13:04	1
Bromoform	<0.45		1.0	0.45	ug/L			11/15/17 13:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/15/17 13:04	1
Chloroform	<0.37		2.0	0.37	ug/L			11/15/17 13:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/15/17 13:04	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			11/15/17 13:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/15/17 13:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/15/17 13:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/17 13:04	1
Methyl bromide	<0.65		2.0	0.65	ug/L			11/15/17 13:04	1
Methyl chloride	<0.32		1.0	0.32	ug/L			11/15/17 13:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/17 13:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/15/17 13:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/15/17 13:04	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/17 13:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/15/17 13:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/15/17 13:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/15/17 13:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/15/17 13:04	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			11/15/17 13:04	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			11/15/17 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		71 - 120		11/15/17 13:04	1
1,2-Dichloroethane-d4 (Surr)	87		71 - 127		11/15/17 13:04	1
Toluene-d8 (Surr)	105		75 - 120		11/15/17 13:04	1

Definitions/Glossary

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

TestAmerica Job ID: 500-137244-1

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.

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: 500-137244-1

GC/MS VOA

Analysis Batch: 410004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-137244-1	Influent	Total/NA	Water	624	
500-137244-1 - DL	Influent	Total/NA	Water	624	
500-137244-2	Effluent	Total/NA	Water	624	
500-137244-3	Trip Blank	Total/NA	Water	624	
MB 500-410004/7	Method Blank	Total/NA	Water	624	
LCS 500-410004/5	Lab Control Sample	Total/NA	Water	624	

General Chemistry

Analysis Batch: 409948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-137244-2	Effluent	Total/NA	Water	SM 2540D	
MB 500-409948/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-409948/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Surrogate Summary

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

TestAmerica Job ID: 500-137244-1

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)
500-137244-1	Influent	85	84	105
500-137244-1 - DL	Influent	83	86	104
500-137244-2	Effluent	84	85	102
500-137244-3	Trip Blank	85	87	105
LCS 500-410004/5	Lab Control Sample	84	85	102
MB 500-410004/7	Method Blank	84	87	102

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: 500-137244-1

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

Lab Sample ID: MB 500-410004/7
Matrix: Water
Analysis Batch: 410004

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			11/15/17 10:26	1
Bromoform	<0.45		1.0	0.45	ug/L			11/15/17 10:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/15/17 10:26	1
Chloroform	<0.37		2.0	0.37	ug/L			11/15/17 10:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/15/17 10:26	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			11/15/17 10:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/15/17 10:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/15/17 10:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/15/17 10:26	1
Methyl bromide	<0.65		2.0	0.65	ug/L			11/15/17 10:26	1
Methyl chloride	<0.32		1.0	0.32	ug/L			11/15/17 10:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/15/17 10:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/15/17 10:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/15/17 10:26	1
Toluene	<0.15		0.50	0.15	ug/L			11/15/17 10:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/15/17 10:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/15/17 10:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/15/17 10:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/15/17 10:26	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			11/15/17 10:26	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			11/15/17 10:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		71 - 120		11/15/17 10:26	1
1,2-Dichloroethane-d4 (Surr)	87		71 - 127		11/15/17 10:26	1
Toluene-d8 (Surr)	102		75 - 120		11/15/17 10:26	1

Lab Sample ID: LCS 500-410004/5
Matrix: Water
Analysis Batch: 410004

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	49.1		ug/L		98	37 - 151
Bromoform	50.0	43.2		ug/L		86	45 - 169
Carbon tetrachloride	50.0	45.8		ug/L		92	70 - 140
Chloroform	50.0	46.6		ug/L		93	51 - 138
cis-1,2-Dichloroethene	50.0	48.2		ug/L		96	70 - 130
Dichlorobromomethane	50.0	43.7		ug/L		87	35 - 155
1,2-Dichloroethane	50.0	43.1		ug/L		86	49 - 155
1,1-Dichloroethene	50.0	52.4		ug/L		105	10 - 234
Ethylbenzene	50.0	51.1		ug/L		102	37 - 162
Methyl bromide	50.0	47.9		ug/L		96	10 - 242
Methyl chloride	50.0	40.5		ug/L		81	10 - 273
m&p-Xylene	50.0	47.9		ug/L		96	
o-Xylene	50.0	48.7		ug/L		97	
1,1,2,2-Tetrachloroethane	50.0	40.9		ug/L		82	46 - 157
Tetrachloroethene	50.0	55.0		ug/L		110	64 - 148
Toluene	50.0	47.8		ug/L		96	47 - 150

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-137244-1

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

Lab Sample ID: LCS 500-410004/5
Matrix: Water
Analysis Batch: 410004

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	50.0		ug/L		100	54 - 156
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	52 - 162
1,1,2-Trichloroethane	50.0	47.0		ug/L		94	52 - 150
Trichloroethene	50.0	52.7		ug/L		105	71 - 157
Vinyl chloride	50.0	50.3		ug/L		101	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		71 - 120
1,2-Dichloroethane-d4 (Surr)	85		71 - 127
Toluene-d8 (Surr)	102		75 - 120

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

Lab Sample ID: MB 500-409948/1
Matrix: Water
Analysis Batch: 409948

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			11/14/17 16:50	1

Lab Sample ID: LCS 500-409948/2
Matrix: Water
Analysis Batch: 409948

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	188		mg/L		94	80 - 120

Lab Chronicle

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

TestAmerica Job ID: 500-137244-1

Client Sample ID: Influent

Date Collected: 11/13/17 09:00

Date Received: 11/14/17 10:30

Lab Sample ID: 500-137244-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	410004	11/15/17 10:52	PMF	TAL CHI
Total/NA	Analysis	624	DL	50	410004	11/15/17 11:19	PMF	TAL CHI

Client Sample ID: Effluent

Date Collected: 11/13/17 09:05

Date Received: 11/14/17 10:30

Lab Sample ID: 500-137244-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	410004	11/15/17 11:45	PMF	TAL CHI
Total/NA	Analysis	SM 2540D		1	409948	(Start) 11/14/17 17:23 (End) 11/14/17 17:25	SMO	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 11/13/17 00:00

Date Received: 11/14/17 10:30

Lab Sample ID: 500-137244-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	410004	11/15/17 13:04	PMF	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 500-137244-1

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	08-31-18

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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 Satkaski / A. Stohn
 Company: MCC / TRC
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To (optional)

Contact: Accounts Payable
 Company: ap@madison-kipp.com
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: 1069825

Chain of Custody Record

Lab Job #: 500-137244
 Chain of Custody Number: _____
 Page 1 of 1
 Temperature °C of Cooler: 3.4

Client		Client Project #		Preservative		Parameter												Preservative Key		
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM												
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix													Comments	
			Date	Time																
1		Influent	11/13/17	900	3 W	X														for VOCs see attached analyte list
2		Effluent	11/13/17	905	3 W	X	X													
3		Trip Blank	-	-	1 W	X														

Turnaround Time Required (Business Days)

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

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)


Relinquished By <u>Alina Satkaski</u>	Company <u>MCC</u>	Date <u>11/13/17</u>	Time <u>15:00</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>11/14/17</u>	Time <u>1030</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: _____
 Shipped:
 Hand Delivered: _____

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

Client Comments

Lab Comments:


 500-137244 COC

500-137244

Parameter	Method
VOCs	
Bromoform	624
Carbon Tetrachloride	624
Dichlorobromomethane	624
1,2-Dichloroethane	624
1,1-Dichloroethylene	624
Methyl Bromide	624
Methyl Chloride	624
1,1,1,2-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: JOTA (708) 534-5200
ALINA SATKOSKI
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WI 53704
UNITED STATES US

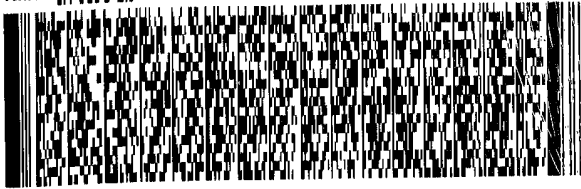
SHIP DATE: 31OCT17
ACTWGT: 10.00 LB MAN
CAD: 33264/CAFE3108

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

UNIVERSITY PARK IL 60466

(708) 634-5200
REF: S500-54234

RMA: ||| ||| |||



546C3/FB77/53C1

J1710161020010Y



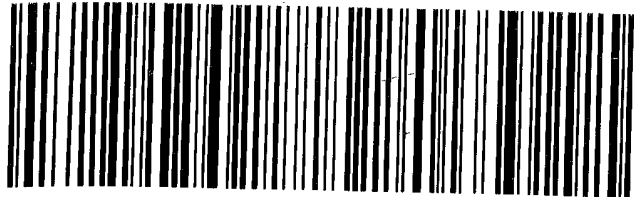
500-137244 Waybill

FedEx
TRK# 4059 7166 9801
0221

TUE - 14 NOV 10:30A
PRIORITY OVERNIGHT

79 JOTA

60466
IL-US ORD



97-4354
EXP 10/18

12qt.

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Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-137244-1

Login Number: 137244

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	