MKC
Madison-Kipp Corporation

Post Office Box 8043
Madison, WI 53708-8043

201 Waubesa Street
Madison, WI 53704-5728

February 2, 2016

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

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

Dear Mr. Brodzeller,

The Groundwater Extraction and Treatment System (GETS) ran for the month of January, with the exception of maintenance activities. This letter summarizes the activities completed in January 2016 as part of the GETS at the Madison Kipp Corporation (MKC) site under the Wisconsin Pollution Discharge Elimination System (WPDES) Permit WI-0046566-6. Compliance samples were collected on January 18, 2016 per the WPDES permit, including visual monitoring for sodium permanganate neutralization. The compliance sample results were below the WPDES discharge limits. The Discharge Monitoring Report is included as Attachment A and laboratory reports are included as Attachment B.

The GETS did not operate from January 1st through January 14th due to an issue with one of the pumps. Repair on the pump was delayed due to lead time on a replacement part. Due to a scaling issue on a check valve on the discharge line, the GETS ran at 40 gpm between January 25th and January 28th. The check valve was removed and cleaned and the system has run at 45 gpm since January 28th. If you have any questions or need additional information, please contact myself at asatkoski@madison-kipp.com or (608) 242-5200.

Alina Satkoski

Madison Kipp Corporation

Attachment A Discharge Monitoring Report Form
Attachment B Laboratory Reports
Copies:
Andrew Stehn - TRC (electronic)
Mike Schmoller - WDNR (electronic)
George Parrino - Madison Department of Health (electronic)

DISCHARGE MONITORING REPORT FORM **Year:____2016_____**
Contaminated Groundwater from Remedial Action Operations - Surface Water Discharge
Permit No. WI-0046566-6 Rev. December16, 2013

Facility Name and Location
Madison Kipp Corporation
201 Waubesa St
Madison, WI 53704
Consultant Managing Project: Arcadis/TRC
FIN#:

Outfall # and Description		Flow (gal/day)	Oil & Grease (mg/L)	BOD_5 (mg/L)	Total BETX (µg/L)	PAHs group of 10 (µg/L)	Benzo(a) pyrene (µg/L)	Naphthalene (µg/L)	Potassium Permanganate (mg/L)	Benzene (µg/L)	TSS (mg/L)
Effluent	Month: January 18, 2016	64,800	2.5	< 2.0	< 0.40	< 0.052	< 0.026	< 0.052	0	< 0.15	< 1.6
	Month:										
	Month:										
	Month:										
See Footnotes		(4)			(1)	(2)			(3)		
Effluent Limits (refer to sec. 4 of the permit)		--	10 mg/l	20 mg/L	750 µg/L	0.1 µg/l	0.1 µg/l	70 µg/l	--	50 µg/l	40 mg/L
Sample Frequency: Pre-treatment		Daily	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Sample Frequency: Post-treatment		Daily	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Sample Type		Estimate	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Impaired or TMDL surface waters			Does this facility discharge a pollutant of concern to an impaired surface water or to a surface water with a TMDL allocation? ☐ No ● Yes								

Outfall # and Description		VOCs (µg/L)	Vinyl Chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,1-Dichloroethene (µg/L)	Tetrachloroethene (µg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	
Effluent	Month: January 18, 2016	69.7	< 0.20	< 0.35	< 0.39	46	140	18	5.7	
	Month:									
	Month:									
	Month:									
See Footnotes		(4)		(4)				(4)		
Effluent Limits (refer to sec. 4 of the permit)		--	10 ug/L	--	50 µg/L	50 µg/L	395 mg/L	--	50 µg/L	
Sample Frequency: Pre-treatment		Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	
Sample Frequency: Post-treatment		Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	
Sample Type		Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	

FOOTNOTES:

(1) Total BETX is the sum of the benzene, ethylbenzene, toluene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.

(2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted (3) Madison Kipp/Arcadis will conduct visual monitoring for this compound.

(4) No effluent limit is established, refer to section 4 of the permit.

DIRECTIONS:

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

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

RETURN TO: **ATTN: James Brodzeller**
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.

2-2-2015

Signature of Person Completing Form — Date

2-2-2015

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: 500-106524-1
Client Project/Site: MadisonKipp GETS

For:
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin 53704

Attn: Alina Satkoski

Authorized for release by:
1/20/2016 3:11:12 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Job ID: 500-106524-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-106524-1

Comments
No additional comments.

Receipt
The samples were received on 1/19/2016 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 624: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (500-106524-1). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

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

TestAmerica Job ID: 500-106524-1

Client Sample ID: Influent — Lab Sample ID: 500-106524-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		5.0	2.0	ug/L	5		624	Total/NA
Trichloroethene	41		2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	2500		50	19	ug/L	50		624	Total/NA
HEM (Oil & Grease)	1.7	J B	5.5	0.60	mg/L	1		1664B	Total/NA
Chloride	110		5.0	1.9	mg/L	25		300.0	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 500-106524-2

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	46		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	5.7		0.50	0.16	ug/L	1		624	Total/NA
HEM (Oil & Grease)	2.5	J B	6.0	0.65	mg/L	1		1664B	Total/NA
Chloride	140		5.0	1.9	mg/L	25		300.0	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-106524-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-106524-1

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

TestAmerica Job ID: 500-106524-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-106524-1	Influent	Water	01/18/16 10:10	01/19/16 10:15
500-106524-2	Effluent	Water	01/18/16 10:00	01/19/16 10:15
500-106524-3	Trip Blank	Water	01/18/16 00:00	01/19/16 10:15

Client Sample ID: Influent

Date Collected: 01/18/16 10:10
Date Received: 01/19/16 10:15

Lab Sample ID: 500-106524-1

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			01/19/16 18:35	5
Bromoform	<2.2		5.0	2.2	ug/L			01/19/16 18:35	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			01/19/16 18:35	5
Chloroform	<1.9		5.0	1.9	ug/L			01/19/16 18:35	5
cis-1,2-Dichloroethene	**14**		5.0	2.0	ug/L			01/19/16 18:35	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			01/19/16 18:35	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			01/19/16 18:35	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			01/19/16 18:35	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			01/19/16 18:35	5
Methyl bromide	<3.2		10	3.2	ug/L			01/19/16 18:35	5
Methyl chloride	<1.6		5.0	1.6	ug/L			01/19/16 18:35	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			01/19/16 18:35	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			01/19/16 18:35	5
Toluene	<0.76		2.5	0.76	ug/L			01/19/16 18:35	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			01/19/16 18:35	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			01/19/16 18:35	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			01/19/16 18:35	5
Trichloroethene	**41**		2.5	0.82	ug/L			01/19/16 18:35	5
Vinyl chloride	<1.0		2.5	1.0	ug/L			01/19/16 18:35	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			01/19/16 18:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*01/19/16 18:35*	*5*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*01/19/16 18:35*	*5*
Toluene-d8 (Surr)	*93*		*75 - 120*		*01/19/16 18:35*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2500**		50	19	ug/L			01/19/16 19:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*		*01/19/16 19:00*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*		*01/19/16 19:00*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*		*01/19/16 19:00*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	**1.7**	**J B**	5.5	0.60	mg/L		01/19/16 19:28	01/19/16 20:56	1
Chloride	**110**		5.0	1.9	mg/L			01/19/16 16:59	25
Total Suspended Solids	<1.6		5.0	1.6	mg/L			01/19/16 12:31	1

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

TestAmerica Job ID: 500-106524-1

Client Sample ID: Effluent
Date Collected: 01/18/16 10:00
Date Received: 01/19/16 10:15

Lab Sample ID: 500-106524-2
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			01/19/16 19:26	1
Bromoform	<0.45		1.0	0.45	ug/L			01/19/16 19:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/19/16 19:26	1
Chloroform	<0.37		1.0	0.37	ug/L			01/19/16 19:26	1
cis-1,2-Dichloroethene	**18**		1.0	0.41	ug/L			01/19/16 19:26	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/19/16 19:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/19/16 19:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/19/16 19:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/19/16 19:26	1
Methyl bromide	<0.65		2.0	0.65	ug/L			01/19/16 19:26	1
Methyl chloride	<0.32		1.0	0.32	ug/L			01/19/16 19:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/19/16 19:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/19/16 19:26	1
Tetrachloroethene	**46**		1.0	0.37	ug/L			01/19/16 19:26	1
Toluene	<0.15		0.50	0.15	ug/L			01/19/16 19:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/19/16 19:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/19/16 19:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/19/16 19:26	1
Trichloroethene	**5.7**		0.50	0.16	ug/L			01/19/16 19:26	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			01/19/16 19:26	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			01/19/16 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*		*01/19/16 19:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*		*01/19/16 19:26*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/19/16 19:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	**2.5**	**J B**	6.0	0.65	mg/L		01/19/16 19:37	01/19/16 20:59	1
Chloride	**140**		5.0	1.9	mg/L			01/19/16 17:11	25
Total Suspended Solids	<1.6		5.0	1.6	mg/L			01/19/16 12:33	1

Client Sample ID: Trip Blank

Date Collected: 01/18/16 00:00
Date Received: 01/19/16 10:15

Lab Sample ID: 500-106524-3

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			01/19/16 19:51	1
Bromoform	<0.45		1.0	0.45	ug/L			01/19/16 19:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/19/16 19:51	1
Chloroform	<0.37		1.0	0.37	ug/L			01/19/16 19:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/19/16 19:51	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/19/16 19:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/19/16 19:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/19/16 19:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/19/16 19:51	1
Methyl bromide	<0.65		2.0	0.65	ug/L			01/19/16 19:51	1
Methyl chloride	<0.32		1.0	0.32	ug/L			01/19/16 19:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/19/16 19:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/19/16 19:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/19/16 19:51	1
Toluene	<0.15		0.50	0.15	ug/L			01/19/16 19:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/19/16 19:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/19/16 19:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/19/16 19:51	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/19/16 19:51	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			01/19/16 19:51	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			01/19/16 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*01/19/16 19:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*01/19/16 19:51*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/19/16 19:51*	*1*

Definitions/Glossary

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

TestAmerica Job ID: 500-106524-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

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

TestAmerica Job ID: 500-106524-1

GC/MS VOA

Analysis Batch: 319958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	624	
500-106524-1 - DL	Influent	Total/NA	Water	624	
500-106524-2	Effluent	Total/NA	Water	624	
500-106524-3	Trip Blank	Total/NA	Water	624	
LCS 500-319958/4	Lab Control Sample	Total/NA	Water	624	
MB 500-319958/6	Method Blank	Total/NA	Water	624	

General Chemistry

Analysis Batch: 320033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	SM 2540D	
500-106524-1 DU	Influent	Total/NA	Water	SM 2540D	
500-106524-1 MS	Influent	Total/NA	Water	SM 2540D	
500-106524-2	Effluent	Total/NA	Water	SM 2540D	
LCS 500-320033/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 500-320033/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 320040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	300.0	
500-106524-2	Effluent	Total/NA	Water	300.0	
LCS 500-320040/4	Lab Control Sample	Total/NA	Water	300.0	
MB 500-320040/3	Method Blank	Total/NA	Water	300.0	

Prep Batch: 320079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	1664B	
500-106524-2	Effluent	Total/NA	Water	1664B	
LCS 500-320079/2-A	Lab Control Sample	Total/NA	Water	1664B	
MB 500-320079/1-A	Method Blank	Total/NA	Water	1664B	

Analysis Batch: 320088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	1664B	320079
500-106524-2	Effluent	Total/NA	Water	1664B	320079
LCS 500-320079/2-A	Lab Control Sample	Total/NA	Water	1664B	320079
MB 500-320079/1-A	Method Blank	Total/NA	Water	1664B	320079

Surrogate Summary

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

TestAmerica Job ID: 500-106524-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB	12DCE	TOL						
Lab Sample ID	Client Sample ID	(75-120)	(75-125)	(75-120)						
500-106524-1	Influent	100	107	93						
500-106524-1 - DL	Influent	106	106	94						
500-106524-2	Effluent	103	109	96						
500-106524-3	Trip Blank	104	107	97						
LCS 500-319958/4	Lab Control Sample	98	107	99						
MB 500-319958/6	Method Blank	101	111	94						

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-319958/6
Matrix: Water
Analysis Batch: 319958

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			01/19/16 10:13	1
Bromoform	<0.45		1.0	0.45	ug/L			01/19/16 10:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/19/16 10:13	1
Chloroform	<0.37		1.0	0.37	ug/L			01/19/16 10:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/19/16 10:13	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/19/16 10:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/19/16 10:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/19/16 10:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/19/16 10:13	1
Methyl bromide	<0.65		2.0	0.65	ug/L			01/19/16 10:13	1
Methyl chloride	<0.32		1.0	0.32	ug/L			01/19/16 10:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/19/16 10:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/19/16 10:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/19/16 10:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/19/16 10:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/19/16 10:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/19/16 10:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/19/16 10:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/19/16 10:13	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			01/19/16 10:13	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			01/19/16 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*01/19/16 10:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 125*		*01/19/16 10:13*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*01/19/16 10:13*	*1*

Lab Sample ID: LCS 500-319958/4
Matrix: Water
Analysis Batch: 319958

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	54.1		ug/L		108	37 - 151
Bromoform	50.0	62.4		ug/L		125	45 - 169
Carbon tetrachloride	50.0	62.1		ug/L		124	70 - 140
Chloroform	50.0	57.1		ug/L		114	51 - 138
cis-1,2-Dichloroethene	50.0	60.9		ug/L		122	70 - 130
Dichlorobromomethane	50.0	54.8		ug/L		110	35 - 155
1,2-Dichloroethane	50.0	58.7		ug/L		117	49 - 155
1,1-Dichloroethene	50.0	66.6		ug/L		133	10 - 234
Ethylbenzene	50.0	55.6		ug/L		111	37 - 162
Methyl bromide	50.0	28.7		ug/L		57	10 - 242
Methyl chloride	50.0	66.8		ug/L		134	10 - 273
m&p-Xylene	50.0	57.4		ug/L		115	
o-Xylene	50.0	60.2		ug/L		120	
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	46 - 157
Tetrachloroethene	50.0	57.7		ug/L		115	64 - 148
Toluene	50.0	55.1		ug/L		110	47 - 150

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

Lab Sample ID: LCS 500-319958/4
Matrix: Water
Analysis Batch: 319958

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	62.1		ug/L		124	54 - 156
1,1,1-Trichloroethane	50.0	64.4		ug/L		129	52 - 162
1,1,2-Trichloroethane	50.0	54.8		ug/L		110	52 - 150
Trichloroethene	50.0	56.4		ug/L		113	71 - 157
Vinyl chloride	50.0	48.6		ug/L		97	10 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*
Toluene-d8 (Surr)	*99*		*75 - 120*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-320079/1-A
Matrix: Water
Analysis Batch: 320088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 320079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	1.30	J	5.0	0.54	mg/L		01/19/16 16:35	01/19/16 20:00	1

Lab Sample ID: LCS 500-320079/2-A
Matrix: Water
Analysis Batch: 320088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 320079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	37.8		mg/L		94	78 - 114

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-320040/3
Matrix: Water
Analysis Batch: 320040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.076		0.20	0.076	mg/L			01/19/16 10:59	1

Lab Sample ID: LCS 500-320040/4
Matrix: Water
Analysis Batch: 320040

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	2.90		mg/L		97	90 - 110

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

Lab Sample ID: MB 500-320033/1
Matrix: Water
Analysis Batch: 320033

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	<1.6		5.0	1.6	mg/L			01/19/16 12:25	1

Lab Sample ID: LCS 500-320033/2
Matrix: Water
Analysis Batch: 320033

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	195		mg/L		97	80 - 120		

Lab Sample ID: 500-106524-1 MS
Matrix: Water
Analysis Batch: 320033

Client Sample ID: Influent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids	<1.6		100	100		mg/L		100	75 - 125		

Lab Sample ID: 500-106524-1 DU
Matrix: Water
Analysis Batch: 320033

Client Sample ID: Influent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	<1.6			<1.6		mg/L				NC	5

Lab Chronicle

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

TestAmerica Job ID: 500-106524-1

Client Sample ID: Influent
Lab Sample ID: 500-106524-1
Date Collected: 01/18/16 10:10
Matrix: Water
Date Received: 01/19/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	319958	01/19/16 18:35	PMF	TAL CHI
Total/NA	Analysis	624	DL	50	319958	01/19/16 19:00	PMF	TAL CHI
Total/NA	Prep	1664B			320079	01/19/16 19:28	SSF	TAL CHI
Total/NA	Analysis	1664B		1	320088	01/19/16 20:56	SSF	TAL CHI
Total/NA	Analysis	300.0		25	320040	01/19/16 16:59	CCK	TAL CHI
Total/NA	Analysis	SM 2540D		1	320033		SMO	TAL CHI
					(Start)	01/19/16 12:31		
					(End)	01/19/16 12:33		

Client Sample ID: Effluent
Lab Sample ID: 500-106524-2
Date Collected: 01/18/16 10:00
Matrix: Water
Date Received: 01/19/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	319958	01/19/16 19:26	PMF	TAL CHI
Total/NA	Prep	1664B			320079	01/19/16 19:37	SSF	TAL CHI
Total/NA	Analysis	1664B		1	320088	01/19/16 20:59	SSF	TAL CHI
Total/NA	Analysis	300.0		25	320040	01/19/16 17:11	CCK	TAL CHI
Total/NA	Analysis	SM 2540D		1	320033		SMO	TAL CHI
					(Start)	01/19/16 12:33		
					(End)	01/19/16 12:34		

Client Sample ID: Trip Blank
Lab Sample ID: 500-106524-3
Date Collected: 01/18/16 00:00
Matrix: Water
Date Received: 01/19/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	319958	01/19/16 19:51	PMF	TAL CHI

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 500-106524-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-106524 COC

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

(optional)
Bill To
Contact: Alina Satkoski
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 106371

Chain of Custody Record

Lab Job #: 500-106524
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 2.6

Client: MKC
Client Project #:
Project Name: GEIS
Project Location/State: Madison, WI
Lab Project #:
Sampler: A Satkoski
Lab PM: Sandie Fredrick

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOC	Parameter: PAH	Parameter: BOD, TSS, Chloride	Parameter: Oil + Grease	Comments
1		Influent	1/18/16	1010	9	W		X	X	X	X	for VOC + PAH see attached analyte list
2		Effluent	1/18/16	1000	9	W		X	X	X	X	
3		Trip Blank						X				

Turnaround Time Required (Business Days)
X 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alina Satkoski	MKC	1/18/16		[signature]	TA-CHI	1/19/16	1015
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed X
Hand Delivered:

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

Client Comments:

Lab Comments:

Parameter	Method
VOCs	
Bromoform	624
Carbon Tetrachloride	624
Dichlorobromomethane	624
1,2-Dichloroethane	624
1,1-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
BOD_5	
BOD_5	5210B
Anions	
Chloride	300

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-106524-1

Login Number: 106524
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

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	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-106524-2
Client Project/Site: MadisonKipp GETS

For:
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin 53704

Attn: Alina Satkoski

Sandie Fredrick

Authorized for release by:
1/25/2016 4:23:23 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Job ID: 500-106524-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-106524-2

Comments
No additional comments.

Receipt
The samples were received on 1/19/2016 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS Semi VOA
Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 490-314044 and analytical batch 490-314180.

Method(s) 625 SIM: Surrogates low in the CCV; all client samples and associated QC is acceptable. (CCVIS 490-314180/2)

Method(s) 625 SIM: The following samples reported surrogates 2,4,6-Tribromophenol, Phenol-d5, and 2-Fluorophenol, which have no bearing on the data since they were neither requesting acid compounds nor were they acid extracted: Influent (500-106524-1) and Effluent (500-106524-2).

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

TestAmerica Job ID: 500-106524-2

Client Sample ID: Influent — Lab Sample ID: 500-106524-1

No Detections.

Client Sample ID: Effluent — Lab Sample ID: 500-106524-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-106524-2

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

TestAmerica Job ID: 500-106524-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-106524-1	Influent	Water	01/18/16 10:10	01/19/16 10:15
500-106524-2	Effluent	Water	01/18/16 10:00	01/19/16 10:15

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

TestAmerica Job ID: 500-106524-2

Client Sample ID: Influent
Date Collected: 01/18/16 10:10
Date Received: 01/19/16 10:15

Lab Sample ID: 500-106524-1
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	<0.024		0.048	0.024	ug/L		01/21/16 09:15	01/21/16 18:37	1
Benzo[a]pyrene	<0.024		0.048	0.024	ug/L		01/21/16 09:15	01/21/16 18:37	1
Benzo[b]fluoranthene	<0.024		0.048	0.024	ug/L		01/21/16 09:15	01/21/16 18:37	1
Benzo[g,h,i]perylene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Benzo[k]fluoranthene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Chrysene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Dibenz(a,h)anthracene	<0.024		0.048	0.024	ug/L		01/21/16 09:15	01/21/16 18:37	1
Fluoranthene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Indeno[1,2,3-cd]pyrene	<0.024		0.048	0.024	ug/L		01/21/16 09:15	01/21/16 18:37	1
Naphthalene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Phenanthrene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1
Pyrene	<0.048		0.096	0.048	ug/L		01/21/16 09:15	01/21/16 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*22*	*X*	*29 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*1*
Nitrobenzene-d5	*28*		*27 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*1*
Phenol-d5	*14*		*10 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*1*
Terphenyl-d14	*32*		*13 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*1*
2,4,6-Tribromophenol	*33*		*10 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*1*
2-Fluorobiphenyl (Surr)	*32*		*10 - 120*	*01/21/16 09:15*	*01/21/16 18:37*	*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			01/20/16 09:20	1

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

TestAmerica Job ID: 500-106524-2

Client Sample ID: Effluent
Date Collected: 01/18/16 10:00
Date Received: 01/19/16 10:15

Lab Sample ID: 500-106524-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.026		0.052	0.026	ug/L		01/21/16 09:15	01/21/16 19:02	1
Benzo[a]pyrene	<0.026		0.052	0.026	ug/L		01/21/16 09:15	01/21/16 19:02	1
Benzo[b]fluoranthene	<0.026		0.052	0.026	ug/L		01/21/16 09:15	01/21/16 19:02	1
Benzo[g,h,i]perylene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Benzo[k]fluoranthene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Chrysene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Dibenz(a,h)anthracene	<0.026		0.052	0.026	ug/L		01/21/16 09:15	01/21/16 19:02	1
Fluoranthene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Indeno[1,2,3-cd]pyrene	<0.026		0.052	0.026	ug/L		01/21/16 09:15	01/21/16 19:02	1
Naphthalene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Phenanthrene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1
Pyrene	<0.052		0.10	0.052	ug/L		01/21/16 09:15	01/21/16 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*45*		*29 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*1*
Nitrobenzene-d5	*54*		*27 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*1*
Phenol-d5	*28*		*10 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*1*
Terphenyl-d14	*65*		*13 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*1*
2,4,6-Tribromophenol	*9*	*X*	*10 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*1*
2-Fluorobiphenyl (Surr)	*70*		*10 - 120*	*01/21/16 09:15*	*01/21/16 19:02*	*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			01/20/16 09:18	1

Definitions/Glossary

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

TestAmerica Job ID: 500-106524-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

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

TestAmerica Job ID: 500-106524-2

GC/MS Semi VOA

Prep Batch: 314044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	625	
500-106524-2	Effluent	Total/NA	Water	625	
LCS 490-314044/2-A	Lab Control Sample	Total/NA	Water	625	
MB 490-314044/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 314180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	625 SIM	314044
500-106524-2	Effluent	Total/NA	Water	625 SIM	314044
LCS 490-314044/2-A	Lab Control Sample	Total/NA	Water	625 SIM	314044
MB 490-314044/1-A	Method Blank	Total/NA	Water	625 SIM	314044

General Chemistry

Analysis Batch: 320162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-106524-1	Influent	Total/NA	Water	SM 5210B	
500-106524-2	Effluent	Total/NA	Water	SM 5210B	
LCS 500-320162/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 500-320162/1	Method Blank	Total/NA	Water	SM 5210B	

Surrogate Summary

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

TestAmerica Job ID: 500-106524-2

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	NBZ	PHL	TPH	TBP	FBP		
Lab Sample ID	Client Sample ID	(29-120)	(27-120)	(10-120)	(13-120)	(10-120)	(10-120)		
500-106524-1	Influent	22 X	28	14	32	33	32		
500-106524-2	Effluent	45	54	28	65	9 X	70		
LCS 490-314044/2-A	Lab Control Sample	37	53	23	96	48	67		
MB 490-314044/1-A	Method Blank	37	49	23	85	38	64		

Surrogate Legend

2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl (Surr)

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

Lab Sample ID: MB 490-314044/1-A
Matrix: Water
Analysis Batch: 314180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		01/21/16 09:15	01/21/16 17:46	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		01/21/16 09:15	01/21/16 17:46	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		01/21/16 09:15	01/21/16 17:46	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Chrysene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		01/21/16 09:15	01/21/16 17:46	1
Fluoranthene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		01/21/16 09:15	01/21/16 17:46	1
Naphthalene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Phenanthrene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1
Pyrene	<0.050		0.10	0.050	ug/L		01/21/16 09:15	01/21/16 17:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*37*		*29 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*
Nitrobenzene-d5	*49*		*27 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*
Phenol-d5	*23*		*10 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*
Terphenyl-d14	*85*		*13 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*
2,4,6-Tribromophenol	*38*		*10 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*
2-Fluorobiphenyl (Surr)	*64*		*10 - 120*	*01/21/16 09:15*	*01/21/16 17:46*	*1*

Lab Sample ID: LCS 490-314044/2-A
Matrix: Water
Analysis Batch: 314180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	0.800	0.652		ug/L		81	33 - 143
Benzo[a]pyrene	0.800	0.634		ug/L		79	17 - 163
Benzo[b]fluoranthene	0.800	0.695		ug/L		87	24 - 159
Benzo[g,h,i]perylene	0.800	0.649		ug/L		81	10 - 219
Benzo[k]fluoranthene	0.800	0.768		ug/L		96	11 - 162
Chrysene	0.800	0.752		ug/L		94	17 - 168
Dibenz(a,h)anthracene	0.800	0.660		ug/L		83	10 - 227
Fluoranthene	0.800	0.697		ug/L		87	26 - 137
Indeno[1,2,3-cd]pyrene	0.800	0.634		ug/L		79	10 - 171
Naphthalene	0.800	0.740		ug/L		92	21 - 133
Phenanthrene	0.800	0.705		ug/L		88	54 - 120
Pyrene	0.800	0.756		ug/L		95	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*37*		*29 - 120*
Nitrobenzene-d5	*53*		*27 - 120*
Phenol-d5	*23*		*10 - 120*
Terphenyl-d14	*96*		*13 - 120*
2,4,6-Tribromophenol	*48*		*10 - 120*
2-Fluorobiphenyl (Surr)	*67*		*10 - 120*

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

TestAmerica Job ID: 500-106524-2

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 500-320162/1
Matrix: Water
Analysis Batch: 320162

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			01/20/16 09:14	1

Lab Sample ID: LCS 500-320162/2
Matrix: Water
Analysis Batch: 320162

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	194		mg/L		98	85 - 115		

Lab Chronicle

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

TestAmerica Job ID: 500-106524-2

Client Sample ID: Influent

Lab Sample ID: 500-106524-1

Date Collected: 01/18/16 10:10

Matrix: Water

Date Received: 01/19/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			314044	01/21/16 09:15	MRM	TAL NSH
Total/NA	Analysis	625 SIM		1	314180	01/21/16 18:37	BES	TAL NSH
Total/NA	Analysis	SM 5210B		1	320162		MAN	TAL CHI
					(Start)	01/20/16 09:20		
					(End)	01/20/16 09:22		

Client Sample ID: Effluent

Lab Sample ID: 500-106524-2

Date Collected: 01/18/16 10:00

Matrix: Water

Date Received: 01/19/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			314044	01/21/16 09:15	MRM	TAL NSH
Total/NA	Analysis	625 SIM		1	314180	01/21/16 19:02	BES	TAL NSH
Total/NA	Analysis	SM 5210B		1	320162		MAN	TAL CHI
					(Start)	01/20/16 09:18		
					(End)	01/20/16 09:20		

Laboratory References:

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

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

Certification Summary

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

TestAmerica Job ID: 500-106524-2

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	ISO/IEC 17025		0453.07	02-29-16
Alaska (UST)	State Program	10	UST-087	07-24-16
Arizona	State Program	9	AZ0473	05-05-16
Arkansas DEQ	State Program	6	88-0737	04-25-16
California	State Program	9	2938	10-31-16
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200010	12-09-16
Iowa	State Program	7	131	04-01-16
Kansas	NELAP	7	E-10229	01-31-16 *
Kentucky (UST)	State Program	4	19	06-30-16
Kentucky (WW)	State Program	4	90038	12-31-16
Louisiana	NELAP	6	30613	06-30-16
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-16
Massachusetts	State Program	1	M-TN032	06-30-16
Minnesota	NELAP	5	047-999-345	12-31-16
Mississippi	State Program	4	N/A	06-30-16
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-16
New Hampshire	NELAP	1	2963	10-09-16
New Jersey	NELAP	2	TN965	06-30-16
New York	NELAP	2	11342	03-31-16
North Carolina (WW/SW)	State Program	4	387	12-31-16
North Dakota	State Program	8	R-146	06-30-16
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-16
Oregon	NELAP	10	TN200001	04-27-16
Pennsylvania	NELAP	3	68-00585	06-30-16
Rhode Island	State Program	1	LAO00268	12-30-15 *
South Carolina	State Program	4	84009 (001)	02-28-16
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-17
Texas	NELAP	6	T104704077	08-31-16
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-16
Virginia	NELAP	3	460152	06-14-16
Washington	State Program	10	C789	07-19-16
West Virginia DEP	State Program	3	219	02-28-16
Wisconsin	State Program	5	998020430	08-31-16
Wyoming (UST)	A2LA	8	453.07	02-29-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-106524 COC

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

(optional)
Bill To
Contact: Alina Satkoski
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 106371

Chain of Custody Record

Lab Job #: 500-106524
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 2.6

Client: MKC | Client Project #:
Project Name: GEIS
Project Location/State: Madison, WI | Lab Project #:
Sampler: A Satkoski | Lab PM: Sandie Fredrick

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	PAH	BOD/ TSS/ Chloride	Oil + Grease						Comments
1		Influent	1/18/16	1010	9	W	X	X	X	X						for VOC +
2		Effluent	1/18/16	1000	9	W	X	X	X	X						PAH see
3		Trip Blank					X									attached
																analyte list

Turnaround Time Required (Business Days)
X 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alina Satkoski	MKC	1/18/16		[illegible]	TA-CHT	1/19/16	1015
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed X
Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

500-106524 Waybill

FedEx Express Package US Airbill

FedEx Tracking Number 8094 6772 7039

Form ID No. 0215

MURB

1 From

Date 1/18/16

Sender's Name Alina Salkoski Phone 518 265 7183

Company mkc

Address 201 Lawtes St.

Dept/Floor/Suite/Room

City Madison State WI ZIP 53704

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIPT Phone 708 534-5200

Company TESTAMERICA CHICAGO

Address 2417 BOND ST

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

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

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

City UNIVERSITY PARK State IL ZIP 60484-3101

0121751793

05820002

8094 6772 7039

4 Express Package Service * To most locations.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

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

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

- [X] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. [ ]

- [ ] Sender Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages 1 Total Weight 4.1 lbs. Credit Card Auth.

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

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fedex.com 1.800.GoFedEx 1.800.463.3339

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	Carrier Tracking No(s):	COC No: 500-69669.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc				Job #: 500-106524-2
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 1/20/2016			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:			
Email:	WO #:			
Project Name: MadisonKipp GETS	Project #: 50009145			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625_SIM/625_Prep_LVI (MOD) Single compound	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Influent (500-106524-1)	1/18/16	10:10 Central		Water			X	1	
Effluent (500-106524-2)	1/18/16	10:00 Central		Water			X	1	

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	01/19/16 15:00	TA-CHI	[signature]	1-20-16 1600	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 500
106524

COOLER RECEIPT FORM

Cooler Received/Opened On 1.20.16 @ 1600

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 2732 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 18290455 pH Strip Lot HC554612 Chlorine Strip Lot 072815A

2. Temperature of rep. sample or temp blank when opened: 1.0 *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 (intial) MSM

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 (intial) DA

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 (intial) DA

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 (intial) DA

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

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

BIS = Broken in shipment

Login Sample Receipt Checklist

Client: Madison-Kipp Corporation

Job Number: 500-106524-2

Login Number: 106524
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

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	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (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: 500-106524-2

Login Number: 106524
List Number: 2
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville
List Creation: 01/20/16 04:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	