

SAMPLE LOCATIONS

May 23, 2017

STANLEY HALL ELEMENTARY SCHOOL

- GSH-1. Faucet/sink in lower level kindergarten room 148
- GSH-2. Faucet/sink in lower level kindergarten room 149
- GSH-3. Faucet/sink in lower level kindergarten 149 restroom
- GSH-4. Lower level hallway water fountain
- GSH-5. Main hall water fountain by 110 & main office; south fountain
- GSH-6. Main hall water fountain by 110 & main office; north fountain
- GSH-7. East hall water fountain, by restrooms
- GSH-8. Teachers lounge sink/faucet
- GSH-9. Kitchen sink/faucet, by gym
- GSH-10. South hall/vestibule water fountain
- GSH-11. Southwest water fountain by restrooms
- GSH-12. Sink/faucet in south room 127
- GSH-13. Nurses office sink/faucet

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: 500-128547-1
Client Project/Site: GSH (77821)

For:

MKA Environmental Consulting, Inc.
5723 129th Street
#7E
Crestwood, Illinois 60445

Attn: David Buck



Authorized for release by:
5/30/2017 2:59:55 PM

Jim Knapp, Project Manager II
(630)758-0262

jim.knapp@testamericainc.com

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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.

Case Narrative

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Job ID: 500-128547-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-128547-1

Comments

No additional comments.

Receipt

The samples were received on 5/23/2017 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Metals

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.

Sample Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128547-1	GSH-1-1	Water	05/23/17 05:49	05/23/17 12:30
500-128547-2	GSH-1-2	Water	05/23/17 05:49	05/23/17 12:30
500-128547-3	GSH-2-1	Water	05/23/17 05:51	05/23/17 12:30
500-128547-4	GSH-2-2	Water	05/23/17 05:52	05/23/17 12:30
500-128547-5	GSH-3-1	Water	05/23/17 05:52	05/23/17 12:30
500-128547-6	GSH-3-2	Water	05/23/17 05:53	05/23/17 12:30
500-128547-7	GSH-4-1	Water	05/23/17 05:54	05/23/17 12:30
500-128547-8	GSH-4-2	Water	05/23/17 05:55	05/23/17 12:30
500-128547-9	GSH-5-1	Water	05/23/17 05:57	05/23/17 12:30
500-128547-10	GSH-5-2	Water	05/23/17 05:58	05/23/17 12:30
500-128547-11	GSH-6-1	Water	05/23/17 06:00	05/23/17 12:30
500-128547-12	GSH-6-2	Water	05/23/17 06:00	05/23/17 12:30
500-128547-13	GSH-7-1	Water	05/23/17 06:02	05/23/17 12:30
500-128547-14	GSH-7-2	Water	05/23/17 06:02	05/23/17 12:30
500-128547-15	GSH-8-1	Water	05/23/17 06:05	05/23/17 12:30
500-128547-16	GSH-8-2	Water	05/23/17 06:05	05/23/17 12:30
500-128547-17	GSH-9-1	Water	05/23/17 06:07	05/23/17 12:30
500-128547-18	GSH-9-2	Water	05/23/17 06:07	05/23/17 12:30
500-128547-19	GSH-10-1	Water	05/23/17 06:10	05/23/17 12:30
500-128547-20	GSH-10-2	Water	05/23/17 06:11	05/23/17 12:30
500-128547-21	GSH-11-1	Water	05/23/17 06:13	05/23/17 12:30
500-128547-22	GSH-11-2	Water	05/23/17 06:14	05/23/17 12:30
500-128547-23	GSH-12-1	Water	05/23/17 06:16	05/23/17 12:30
500-128547-24	GSH-12-2	Water	05/23/17 06:16	05/23/17 12:30
500-128547-25	GSH-13-1	Water	05/23/17 06:22	05/23/17 12:30
500-128547-26	GSH-13-2	Water	05/23/17 06:23	05/23/17 12:30

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Client Sample ID: GSH-1-1

Date Collected: 05/23/17 05:49

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.2		0.50		ug/L		05/26/17 11:56	1	FXG

Client Sample ID: GSH-1-2

Date Collected: 05/23/17 05:49

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 11:57	1	FXG

Client Sample ID: GSH-2-1

Date Collected: 05/23/17 05:51

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.61		0.50		ug/L		05/24/17 14:17	1	FXG

Client Sample ID: GSH-2-2

Date Collected: 05/23/17 05:52

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-4

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 11:58	1	FXG

Client Sample ID: GSH-3-1

Date Collected: 05/23/17 05:52

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.6		0.50		ug/L		05/26/17 11:59	1	FXG

Client Sample ID: GSH-3-2

Date Collected: 05/23/17 05:53

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-6

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:00	1	FXG

Client Sample ID: GSH-4-1

Date Collected: 05/23/17 05:54

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:01	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Client Sample ID: GSH-4-2

Date Collected: 05/23/17 05:55

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-8

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:03	1	FXG

Client Sample ID: GSH-5-1

Date Collected: 05/23/17 05:57

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:04	1	FXG

Client Sample ID: GSH-5-2

Date Collected: 05/23/17 05:58

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-10

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:07	1	FXG

Client Sample ID: GSH-6-1

Date Collected: 05/23/17 06:00

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-11

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:12	1	FXG

Client Sample ID: GSH-6-2

Date Collected: 05/23/17 06:00

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.67		0.50		ug/L		05/26/17 12:13	1	FXG

Client Sample ID: GSH-7-1

Date Collected: 05/23/17 06:02

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-13

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.53		0.50		ug/L		05/26/17 12:17	1	FXG

Client Sample ID: GSH-7-2

Date Collected: 05/23/17 06:02

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-14

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.69		0.50		ug/L		05/26/17 12:34	1	FXG

TestAmerica Chicago

Client Sample Results

Lab Sample ID: 600-13847-8

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-9

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-10

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-11

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-12

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-13

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Lab Sample ID: 600-13847-14

Matrix: Water

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-8

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-9

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-10

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-11

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-12

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-13

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample ID: 600-13847-14

Date Collected: 08/23/17 08:58

Date Received: 08/23/17 12:30

Method: 300.8 - Metals (ICP-MS) - Solution

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Client Sample ID: GSH-8-1

Date Collected: 05/23/17 06:05

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-15

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	2.1		0.50		ug/L		05/26/17 12:35	1	FXG

Client Sample ID: GSH-8-2

Date Collected: 05/23/17 06:05

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-16

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:36	1	FXG

Client Sample ID: GSH-9-1

Date Collected: 05/23/17 06:07

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-17

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	5.2		0.50		ug/L		05/26/17 12:37	1	FXG

Client Sample ID: GSH-9-2

Date Collected: 05/23/17 06:07

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-18

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:39	1	FXG

Client Sample ID: GSH-10-1

Date Collected: 05/23/17 06:10

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-19

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 12:40	1	FXG

Client Sample ID: GSH-10-2

Date Collected: 05/23/17 06:11

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-20

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:41	1	FXG

Client Sample ID: GSH-11-1

Date Collected: 05/23/17 06:13

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-21

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.69		0.50		ug/L		05/26/17 12:42	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Client Sample ID: GSH-11-2

Date Collected: 05/23/17 06:14

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-22

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:37	1	FXG

Client Sample ID: GSH-12-1

Date Collected: 05/23/17 06:16

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-23

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.5		0.50		ug/L		05/26/17 14:38	1	FXG

Client Sample ID: GSH-12-2

Date Collected: 05/23/17 06:16

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-24

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:43	1	FXG

Client Sample ID: GSH-13-1

Date Collected: 05/23/17 06:22

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-25

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	3.5		0.50		ug/L		05/26/17 14:44	1	FXG

Client Sample ID: GSH-13-2

Date Collected: 05/23/17 06:23

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128547-26

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.8		0.50		ug/L		05/26/17 14:45	1	FXG

Accreditation/Certification and Definitions Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
π	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)

Method Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: GSH (77821)

TestAmerica Job ID: 500-128547-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.634.5200 Fax: 708.634



500-128547 COC

Report To (optional)
Contact: DAVID BUCK
Company: MEK E.C. CONSULTING
Address: 5723 189TH ST, #7E
Address: CRESTWOOD, IL 60445
Phone: 630-205-9536
Fax:
E-Mail: DBATM@ATT.NET

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

Chain of Custody Record

Lab Job #: 500-128547

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: Unchilled

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
MEK E.C.		77821									
Project Name											
Project Location/State		Lab Project #									
Sampler		Lab PM									
Sample ID		Sampling		Date		Time		# of Containers		Matrix	
1		GSH-1-1		5/23/17		5:49		1		W	
2		GSH-1-2				5:49		1			
3		GSH-2-1				5:51		1			
4		GSH-2-2				5:52		1			
5		GSH-3-1				5:52		1			
6		GSH-3-2				5:53		1			
7		GSH-4-1				5:54		1			
8		GSH-4-2				5:55		1			
9		GSH-5-1				5:57		1			
10		GSH-5-2				5:58		1			

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other ☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: David Buck Company: MEK E.C. Date: 5/23/17 Time: 10:35
 Received By: John Company: JA Date: 5/23/17 Time: 8:35
 Received By: John Company: JA Date: 5/23/17 Time: 12:30
 Received By: John Company: JA Date: 5/23/17 Time: 12:30

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.634.6200 Fax: 708.634.6211

Report To (optional)

Contact: _____
Company: MWA E.C.
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)

Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
POB/Reference: _____

Chain of Custody Record

Lab Job #: 500-128547

Chain of Custody Number: _____

Page 2 of 3

Temperature °C of Cooler: _____

Client <u>MWA E.C.</u>		Client Project # <u>77824</u>		Preservative																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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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)

Requested Due Date

Requested By Nancy Burch Company MWA E.C. Date 5/23/17 Time 10:35 AM

Requested By John Company TA Date 5/24/17 Time 12:30

Requested By John Company TA Date 5/24/17 Time 12:30

Received By John Company TA Date 5/23/17 Time 8:25

Received By John Company TA Date 5/23/17 Time 12:30

Received By John Company TA Date 5/24/17 Time 12:30

Lab Courier TA

Shipped TA

Hand Delivered TA

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

Client Comments

Lab Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.634.5200 Fax: 708.634.5211

Report To (optional)

Contact: _____
Company: MCA E.C.
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)

Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO/Reference# _____

Chain of Custody Record

Lab Job #: 500-128547
Chain of Custody Number: _____
Page 3 of 3
Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter	Comments
21		GSH-11-1	5/23/17	6:13	1	W			
22		GSH-11-2		6:14	1				
23		GSH-12-1		6:16	1				
24		GSH-12-2		6:16	1				
25		GSH-13-1		6:22	1				
26		GSH-13-2		6:23	1				

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

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	Company	Date	Time	Relinquished By	Company	Date	Time	Relinquished By	Company	Date	Time	Relinquished By	Company	Date	Time
<u>David Buck</u>	<u>MCA E.C.</u>	<u>5/23/17</u>	<u>18:35</u>	<u>[Signature]</u>	<u>TA</u>	<u>5/23/17</u>	<u>8:35</u>								
<u>[Signature]</u>	<u>TA</u>	<u>5/23/17</u>	<u>12:30</u>	<u>[Signature]</u>	<u>TA-CRT</u>	<u>5/23/17</u>	<u>12:30</u>								

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
CL - Oil
A - Air

SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments	Lab Comments

May 23, 2017

CHARLES RESKIN ELEMENTARY SCHOOL

- CR-1. Center hall water fountain, by 125; left
- CR-2. Center hall water fountain, by 125; right
- CR-3. Nurses office sink/faucet
- CR-4. South hall water fountain, by 108; left
- CR-5. South hall water fountain, by 108; right
- CR-6. Teachers lounge sink/faucet
- CR-7. Water fountain in gym vestibule; left
- CR-8. Water fountain in gym vestibule; right
- CR-9. Kitchen, northeast sink/faucet
- CR-10. Kitchen, southeast sink/faucet
- CR-11. North end hallway water fountain, by 317; left
- CR-12. North end hallway water fountain, by 317; right
- CR-13. East wing hallway water fountain, by 216/215; left
- CR-14. East wing hallway water fountain, by 216/215; right
- CR-15. Southeast hallway water fountain, by 207/206, left
- CR-16. Southeast hallway water fountain, by 207/206, right
- CR-17. Sink/faucet on west side of kindergarten room 208
- CR-18. Sink/faucet in restroom of kindergarten room 208
- CR-19. Sink/faucet on west side of kindergarten room 211
- CR-20. Sink/faucet in restroom of kindergarten room 211

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: 500-128552-1

Client Project/Site: CR (77821)

For:

MKA Environmental Consulting, Inc.

5723 129th Street

#7E

Crestwood, Illinois 60445

Attn: David Buck



Authorized for release by:

5/30/2017 3:00:55 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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The
Expert

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www.testamericainc.com

The test results in this report meet all 2003 NELAP 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.

Case Narrative

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Job ID: 500-128552-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-128552-1

Comments

No additional comments.

Receipt

The samples were received on 5/23/2017 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Metals

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.

Sample Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128552-1	CR-1-1	Water	05/23/17 06:35	05/23/17 12:30
500-128552-2	CR-1-2	Water	05/23/17 06:35	05/23/17 12:30
500-128552-3	CR-2-1	Water	05/23/17 06:36	05/23/17 12:30
500-128552-4	CR-2-2	Water	05/23/17 06:37	05/23/17 12:30
500-128552-5	CR-3-1	Water	05/23/17 06:39	05/23/17 12:30
500-128552-6	CR-3-2	Water	05/23/17 06:40	05/23/17 12:30
500-128552-7	CR-4-1	Water	05/23/17 06:42	05/23/17 12:30
500-128552-8	CR-4-2	Water	05/23/17 06:43	05/23/17 12:30
500-128552-9	CR-5-1	Water	05/23/17 06:44	05/23/17 12:30
500-128552-10	CR-5-2	Water	05/23/17 06:44	05/23/17 12:30
500-128552-11	CR-6-1	Water	05/23/17 06:48	05/23/17 12:30
500-128552-12	CR-6-2	Water	05/23/17 06:48	05/23/17 12:30
500-128552-13	CR-7-1	Water	05/23/17 06:50	05/23/17 12:30
500-128552-14	CR-7-2	Water	05/23/17 06:50	05/23/17 12:30
500-128552-15	CR-8-1	Water	05/23/17 06:52	05/23/17 12:30
500-128552-16	CR-8-2	Water	05/23/17 06:53	05/23/17 12:30
500-128552-17	CR-9-1	Water	05/23/17 06:55	05/23/17 12:30
500-128552-18	CR-9-2	Water	05/23/17 06:55	05/23/17 12:30
500-128552-19	CR-10-1	Water	05/23/17 06:56	05/23/17 12:30
500-128552-20	CR-10-2	Water	05/23/17 06:57	05/23/17 12:30
500-128552-21	CR-11-1	Water	05/23/17 07:01	05/23/17 12:30
500-128552-22	CR-11-2	Water	05/23/17 07:02	05/23/17 12:30
500-128552-23	CR-12-1	Water	05/23/17 07:03	05/23/17 12:30
500-128552-24	CR-12-2	Water	05/23/17 07:04	05/23/17 12:30
500-128552-25	CR-13-1	Water	05/23/17 07:06	05/23/17 12:30
500-128552-26	CR-13-2	Water	05/23/17 07:06	05/23/17 12:30
500-128552-27	CR-14-1	Water	05/23/17 07:07	05/23/17 12:30
500-128552-28	CR-14-2	Water	05/23/17 07:08	05/23/17 12:30
500-128552-29	CR-15-1	Water	05/23/17 07:10	05/23/17 12:30
500-128552-30	CR-15-2	Water	05/23/17 07:11	05/23/17 12:30
500-128552-31	CR-16-1	Water	05/23/17 07:12	05/23/17 12:30
500-128552-32	CR-16-2	Water	05/23/17 07:13	05/23/17 12:30
500-128552-33	CR-17-1	Water	05/23/17 07:18	05/23/17 12:30
500-128552-34	CR-17-2	Water	05/23/17 07:19	05/23/17 12:30
500-128552-35	CR-18-1	Water	05/23/17 07:19	05/23/17 12:30
500-128552-36	CR-18-2	Water	05/23/17 07:20	05/23/17 12:30
500-128552-37	CR-19-1	Water	05/23/17 07:22	05/23/17 12:30
500-128552-38	CR-19-2	Water	05/23/17 07:23	05/23/17 12:30
500-128552-39	CR-20-1	Water	05/23/17 07:23	05/23/17 12:30
500-128552-40	CR-20-2	Water	05/23/17 07:24	05/23/17 12:30

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-1-1

Date Collected: 05/23/17 06:35

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:48	1	FXG

Client Sample ID: CR-1-2

Date Collected: 05/23/17 06:35

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:49	1	FXG

Client Sample ID: CR-2-1

Date Collected: 05/23/17 06:36

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:50	1	FXG

Client Sample ID: CR-2-2

Date Collected: 05/23/17 06:37

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-4

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:51	1	FXG

Client Sample ID: CR-3-1

Date Collected: 05/23/17 06:39

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	3.9		0.50		ug/L		05/26/17 12:52	1	FXG

Client Sample ID: CR-3-2

Date Collected: 05/23/17 06:40

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-6

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:53	1	FXG

Client Sample ID: CR-4-1

Date Collected: 05/23/17 06:42

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:55	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-4-2

Date Collected: 05/23/17 06:43

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-8

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:56	1	FXG

Client Sample ID: CR-5-1

Date Collected: 05/23/17 06:44

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 12:59	1	FXG

Client Sample ID: CR-5-2

Date Collected: 05/23/17 06:44

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-10

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 13:00	1	FXG

Client Sample ID: CR-6-1

Date Collected: 05/23/17 06:48

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-11

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.53		0.50		ug/L		05/26/17 13:05	1	FXG

Client Sample ID: CR-6-2

Date Collected: 05/23/17 06:48

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 13:10	1	FXG

Client Sample ID: CR-7-1

Date Collected: 05/23/17 06:50

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-13

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	3.0		0.50		ug/L		05/26/17 13:13	1	FXG

Client Sample ID: CR-7-2

Date Collected: 05/23/17 06:50

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-14

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.5		0.50		ug/L		05/26/17 13:14	1	FXG

TestAmerica Chicago

Client Sample Results

Lab Sample ID: 500-128822-8

Matrix: Water

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-9

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-10

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-11

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-12

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-13

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-14

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Lab Sample ID: 500-128822-15

Matrix: Water

Lab Sample ID: 500-128822-16

Client: XXX Environmental Services
 Project: 001 (7387)

Client Sample ID: CR-1-2
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-1-1
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-2-2
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-2-1
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-3-2
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-3-1
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample ID: CR-4-2
 Date Collected: 08/23/17 08:48
 Date Received: 08/23/17 12:30

Method: 200.8 - Metals (ICP-MS) - Soluble
 Analyte: As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Zn
 Date Received: 08/23/17 12:30
 Date Collected: 08/23/17 08:48

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-8-1

Date Collected: 05/23/17 06:52

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-15

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.96		0.50		ug/L		05/26/17 13:15	1	FXG

Client Sample ID: CR-8-2

Date Collected: 05/23/17 06:53

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-16

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.1		0.50		ug/L		05/26/17 13:16	1	FXG

Client Sample ID: CR-9-1

Date Collected: 05/23/17 06:55

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-17

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 13:18	1	FXG

Client Sample ID: CR-9-2

Date Collected: 05/23/17 06:55

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-18

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 13:19	1	FXG

Client Sample ID: CR-10-1

Date Collected: 05/23/17 06:56

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-19

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	3.6		0.50		ug/L		05/26/17 13:20	1	FXG

Client Sample ID: CR-10-2

Date Collected: 05/23/17 06:57

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-20

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 13:21	1	FXG

Client Sample ID: CR-11-1

Date Collected: 05/23/17 07:01

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-21

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.94		0.50		ug/L		05/26/17 13:46	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-11-2

Date Collected: 05/23/17 07:02

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-22

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.4		0.50		ug/L		05/26/17 13:47	1	FXG

Client Sample ID: CR-12-1

Date Collected: 05/23/17 07:03

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-23

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.91		0.50		ug/L		05/26/17 13:48	1	FXG

Client Sample ID: CR-12-2

Date Collected: 05/23/17 07:04

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-24

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.77		0.50		ug/L		05/26/17 13:49	1	FXG

Client Sample ID: CR-13-1

Date Collected: 05/23/17 07:06

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-25

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.2		0.50		ug/L		05/26/17 13:51	1	FXG

Client Sample ID: CR-13-2

Date Collected: 05/23/17 07:06

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-26

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.88		0.50		ug/L		05/26/17 13:52	1	FXG

Client Sample ID: CR-14-1

Date Collected: 05/23/17 07:07

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-27

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.69		0.50		ug/L		05/26/17 13:53	1	FXG

Client Sample ID: CR-14-2

Date Collected: 05/23/17 07:08

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-28

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.71		0.50		ug/L		05/26/17 13:54	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-15-1

Date Collected: 05/23/17 07:10

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-29

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.78		0.50		ug/L		05/26/17 13:58	1	FXG

Client Sample ID: CR-15-2

Date Collected: 05/23/17 07:11

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-30

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.82		0.50		ug/L		05/26/17 13:59	1	FXG

Client Sample ID: CR-16-1

Date Collected: 05/23/17 07:12

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-31

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.3		0.50		ug/L		05/26/17 14:03	1	FXG

Client Sample ID: CR-16-2

Date Collected: 05/23/17 07:13

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-32

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.5		0.50		ug/L		05/26/17 14:04	1	FXG

Client Sample ID: CR-17-1

Date Collected: 05/23/17 07:18

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-33

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	3.1		0.50		ug/L		05/26/17 14:06	1	FXG

Client Sample ID: CR-17-2

Date Collected: 05/23/17 07:19

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-34

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:12	1	FXG

Client Sample ID: CR-18-1

Date Collected: 05/23/17 07:19

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-35

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.71		0.50		ug/L		05/26/17 14:14	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Client Sample ID: CR-18-2

Date Collected: 05/23/17 07:20

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-36

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:15	1	FXG

Client Sample ID: CR-19-1

Date Collected: 05/23/17 07:22

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-37

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	2.1		0.50		ug/L		05/26/17 14:28	1	FXG

Client Sample ID: CR-19-2

Date Collected: 05/23/17 07:23

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-38

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:29	1	FXG

Client Sample ID: CR-20-1

Date Collected: 05/23/17 07:23

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-39

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	11		0.50		ug/L		05/26/17 14:30	1	FXG

Client Sample ID: CR-20-2

Date Collected: 05/23/17 07:24

Date Received: 05/23/17 12:30

Lab Sample ID: 500-128552-40

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 14:31	1	FXG

Accreditation/Certification and Definitions Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
π	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)

Method Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: CR (77821)

TestAmerica Job ID: 500-128552-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

6

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5



500-128552 COC

Report To (optional) DAVID BUCK
Contact: MIKA ENV. CONSULTING
Company: STARS 129 WEST ST, #7E
Address: CARLETON, IL 60445
Phone: 630-285-9536
Fax: DBATMAN@ATT.NET
E-Mail: DBATMAN@ATT.NET

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

Chain of Custody Record

Lab Job #: 500-128552

Chain of Custody Number: _____

Page 1 of 4

Temperature °C of Cooler: Unchilled

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key	
MHA E.C.		77821								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. H2O2 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #									
CR											
Project Location/State		Lab PM									
D.BUCK											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
1		CR-1-1	5/23/17	6:35	1	W					
2		CR-1-2		6:35	1						
3		CR-2-1		6:36	1						
4		CR-2-2		6:37	1						
5		CR-3-1		6:39	1						
6		CR-3-2		6:40	1						
7		CR-4-1		6:42	1						
8		CR-4-2		6:43	1						
9		CR-5-1		6:44	1						
10		CR-5-2		6:44	1						

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 ☐ Disposed by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Released By	Company	Date	Time	Received By	Company	Date	Time
David Buck	MHA E.C.	5/23/17	12:35 PM	John A	TA	5/23/17	8:35
John A	TA	5/23/17	12:30	John A	TA	5/23/17	12:30

Lab Courier: TA
 Shipped: _____
 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: _____

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: _____
Company: MTA E.C.
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)

Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO/Reference: _____

Chain of Custody Record

Lab Job #: 900-12852

Chain of Custody Number: _____

Page 2 of 4

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Preservative Key	
Project Name		Lab Project #		Sampling		Comments			
Project Location/State		Lab PM		Date		Time			
Sampler				# of Containers		Mark			
11	CR-6-1	5/23/17	6:48	1	W				
12	CR-6-2		6:48	1					
13	CR-7-1		6:50	1					
14	CR-7-2		6:50	1					
15	CR-8-1		6:52	1					
16	CR-8-2		6:53	1					
17	CR-9-1		6:55	1					
18	CR-9-2		6:55	1					
19	CR-10-1		6:56	1					
20	CR-10-2		6:57	1					

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

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Relinquished By	Company	Date	Time
<u>D. Buck</u>	<u>MTA E.C.</u>	<u>5/23/17</u>	<u>12:35 PM</u>	<u>[Signature]</u>	<u>MTA</u>	<u>5/23/17</u>	<u>8:35</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/23/17</u>	<u>12:30</u>	<u>[Signature]</u>	<u>MTA-CHI</u>	<u>5/23/17</u>	<u>12:30</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/23/17</u>	<u>12:30</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5/23/17</u>	<u>12:30</u>

Lab Counter DA

Shipped _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.594.5200 Fax: 708.594.5211

Report To (optional)

Contact:

Company: MKA E.C.

Address:

Address:

Phone:

Fax:

E-Mail:

Bill To (optional)

Contact:

Company:

Address:

Address:

Phone:

Fax:

POB/Role/Email

Chain of Custody Record

Lab Job #: 500-12852

Chain of Custody Number:

Page 4 of 4

Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Comments	
Project Name		Lab Project #		Sampler		Lab PM			
MKA E.C.		77821							
C.R.									
D. BUCK									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix			
31		CR-16-1	5/23/17	7:12	1	W			
32		CR-16-2		7:13	1				
33		CR-17-1		7:18	1				
34		CR-17-2		7:19	1				
35		CR-18-1		7:19	1				
36		CR-18-2		7:20	1				
37		CR-19-1		7:22	1				
38		CR-19-2		7:23	1				
39		CR-20-1		7:23	1				
40		CR-20-2		7:24	1				

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)

Requested By	Company	Date	Time	Requested By	Company	Date	Time	Lab Courier
<u>David Buck</u>	<u>MKA E.C.</u>	<u>5/23/17</u>	<u>12:35 PM</u>	<u>David Buck</u>	<u>TA</u>	<u>5/23/17</u>	<u>8:35</u>	<u>TA</u>
<u>David Buck</u>	<u>TA</u>	<u>5/23/17</u>	<u>12:30</u>	<u>David Buck</u>	<u>TA-CH</u>	<u>5/23/17</u>	<u>12:30</u>	

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

Client Comments	Lab Comments

May 24, 2017

WINNEBAGO ELEMENTARY SCHOOL

- WS-1. Faucet/sink in southwest kindergarten room 153
- WS-2. Southwest hallway water fountain, by room 153
- WS-3. Teachers lounge sink/faucet
- WS-4. Drinking fountain in room 120
- WS-5. Drinking fountain in room 141
- WS-6. Drinking fountain in room 139
- WS-7. Drinking fountain in room 137
- WS-8. North hallway water fountain, by restrooms & 116
- WS-9. Northeast hallway water fountain, by restrooms & 125
- WS-10. Sink/faucet in room 125
- WS-11. Drinking fountain in room 121
- WS-12. Drinking fountain in room 119
- WS-13. Drinking fountain in room 112
- WS-14. Drinking fountain in room 110
- WS-15. Nurses office sink/faucet, in restroom
- WS-16. Southeast hallway water fountain, by 105
- WS-17. Drinking fountain in room 117
- WS-18. Kitchen room 109 sink/faucet, off gym

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: 500-128588-1

Client Project/Site: WS (77821)

For:

MKA Environmental Consulting, Inc.
5723 129th Street
#7E
Crestwood, Illinois 60445

Attn: David Buck



Authorized for release by:
5/30/2017 3:02:37 PM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAP 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.

Case Narrative

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Job ID: 500-128588-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-128588-1

Comments

No additional comments.

Receipt

The samples were received on 5/24/2017 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Metals

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.

Sample Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128588-1	WS-1-1	Water	05/24/17 05:49	05/24/17 10:30
500-128588-2	WS-1-2	Water	05/24/17 05:50	05/24/17 10:30
500-128588-3	WS-2-1	Water	05/24/17 05:51	05/24/17 10:30
500-128588-4	WS-2-2	Water	05/24/17 05:52	05/24/17 10:30
500-128588-5	WS-3-1	Water	05/24/17 05:54	05/24/17 10:30
500-128588-6	WS-3-2	Water	05/24/17 05:55	05/24/17 10:30
500-128588-7	WS-4-1	Water	05/24/17 05:56	05/24/17 10:30
500-128588-8	WS-4-2	Water	05/24/17 05:57	05/24/17 10:30
500-128588-9	WS-5-1	Water	05/24/17 05:59	05/24/17 10:30
500-128588-10	WS-5-2	Water	05/24/17 05:59	05/24/17 10:30
500-128588-11	WS-6-1	Water	05/24/17 06:01	05/24/17 10:30
500-128588-12	WS-6-2	Water	05/24/17 06:02	05/24/17 10:30
500-128588-13	WS-7-1	Water	05/24/17 06:04	05/24/17 10:30
500-128588-14	WS-7-2	Water	05/24/17 06:05	05/24/17 10:30
500-128588-15	WS-8-1	Water	05/24/17 06:06	05/24/17 10:30
500-128588-16	WS-8-2	Water	05/24/17 06:07	05/24/17 10:30
500-128588-17	WS-9-1	Water	05/24/17 06:08	05/24/17 10:30
500-128588-18	WS-9-2	Water	05/24/17 06:09	05/24/17 10:30
500-128588-19	WS-10-1	Water	05/24/17 06:11	05/24/17 10:30
500-128588-20	WS-10-2	Water	05/24/17 06:11	05/24/17 10:30
500-128588-21	WS-11-1	Water	05/24/17 06:13	05/24/17 10:30
500-128588-22	WS-11-2	Water	05/24/17 06:13	05/24/17 10:30
500-128588-23	WS-12-1	Water	05/24/17 06:15	05/24/17 10:30
500-128588-24	WS-12-2	Water	05/24/17 06:16	05/24/17 10:30
500-128588-25	WS-13-1	Water	05/24/17 06:18	05/24/17 10:30
500-128588-26	WS-13-2	Water	05/24/17 06:18	05/24/17 10:30
500-128588-27	WS-14-1	Water	05/24/17 06:20	05/24/17 10:30
500-128588-28	WS-14-2	Water	05/24/17 06:20	05/24/17 10:30
500-128588-29	WS-15-1	Water	05/24/17 06:23	05/24/17 10:30
500-128588-30	WS-15-2	Water	05/24/17 06:24	05/24/17 10:30
500-128588-31	WS-16-1	Water	05/24/17 06:25	05/24/17 10:30
500-128588-32	WS-16-2	Water	05/24/17 06:26	05/24/17 10:30
500-128588-33	WS-17-1	Water	05/24/17 06:28	05/24/17 10:30
500-128588-34	WS-17-2	Water	05/24/17 06:29	05/24/17 10:30
500-128588-35	WS-18-1	Water	05/24/17 06:33	05/24/17 10:30
500-128588-36	WS-18-2	Water	05/24/17 06:33	05/24/17 10:30



Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-1-1

Date Collected: 05/24/17 05:49

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.2		0.50		ug/L		05/26/17 15:39	1	FXG

Client Sample ID: WS-1-2

Date Collected: 05/24/17 05:50

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:43	1	FXG

Client Sample ID: WS-2-1

Date Collected: 05/24/17 05:51

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:44	1	FXG

Client Sample ID: WS-2-2

Date Collected: 05/24/17 05:52

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-4

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 15:46	1	FXG

Client Sample ID: WS-3-1

Date Collected: 05/24/17 05:54

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 15:47	1	FXG

Client Sample ID: WS-3-2

Date Collected: 05/24/17 05:55

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-6

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:50	1	FXG

Client Sample ID: WS-4-1

Date Collected: 05/24/17 05:56

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:51	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-4-2

Date Collected: 05/24/17 05:57

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-8

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	4.6		0.50		ug/L		05/26/17 15:53	1	FXG

Client Sample ID: WS-5-1

Date Collected: 05/24/17 05:59

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:54	1	FXG

Client Sample ID: WS-5-2

Date Collected: 05/24/17 05:59

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-10

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:55	1	FXG

Client Sample ID: WS-6-1

Date Collected: 05/24/17 06:01

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-11

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:56	1	FXG

Client Sample ID: WS-6-2

Date Collected: 05/24/17 06:02

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:03	1	FXG

Client Sample ID: WS-7-1

Date Collected: 05/24/17 06:04

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-13

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:04	1	FXG

Client Sample ID: WS-7-2

Date Collected: 05/24/17 06:05

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-14

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:05	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-8-1

Date Collected: 05/24/17 06:06

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-15

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:06	1	FXG

Client Sample ID: WS-8-2

Date Collected: 05/24/17 06:07

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-16

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:07	1	FXG

Client Sample ID: WS-9-1

Date Collected: 05/24/17 06:08

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-17

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:09	1	FXG

Client Sample ID: WS-9-2

Date Collected: 05/24/17 06:09

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-18

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:10	1	FXG

Client Sample ID: WS-10-1

Date Collected: 05/24/17 06:11

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-19

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:11	1	FXG

Client Sample ID: WS-10-2

Date Collected: 05/24/17 06:11

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-20

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:12	1	FXG

Client Sample ID: WS-11-1

Date Collected: 05/24/17 06:13

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-21

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:18	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-11-2

Date Collected: 05/24/17 06:13

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-22

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:19	1	FXG

Client Sample ID: WS-12-1

Date Collected: 05/24/17 06:15

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-23

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:24	1	FXG

Client Sample ID: WS-12-2

Date Collected: 05/24/17 06:16

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-24

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:25	1	FXG

Client Sample ID: WS-13-1

Date Collected: 05/24/17 06:18

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-25

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:26	1	FXG

Client Sample ID: WS-13-2

Date Collected: 05/24/17 06:18

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-26

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:30	1	FXG

Client Sample ID: WS-14-1

Date Collected: 05/24/17 06:20

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-27

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:31	1	FXG

Client Sample ID: WS-14-2

Date Collected: 05/24/17 06:20

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-28

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:32	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-15-1

Date Collected: 05/24/17 06:23

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-29

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	5.2		0.50		ug/L		05/26/17 16:33	1	FXG

Client Sample ID: WS-15-2

Date Collected: 05/24/17 06:24

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-30

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.71		0.50		ug/L		05/26/17 16:34	1	FXG

Client Sample ID: WS-16-1

Date Collected: 05/24/17 06:25

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-31

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 16:35	1	FXG

Client Sample ID: WS-16-2

Date Collected: 05/24/17 06:26

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-32

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.51		0.50		ug/L		05/26/17 16:36	1	FXG

Client Sample ID: WS-17-1

Date Collected: 05/24/17 06:28

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-33

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:43	1	FXG

Client Sample ID: WS-17-2

Date Collected: 05/24/17 06:29

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-34

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:45	1	FXG

Client Sample ID: WS-18-1

Date Collected: 05/24/17 06:33

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-35

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.8		0.50		ug/L		05/26/17 16:46	1	FXG

TestAmerica Chicago

Client Sample Results

Lab Sample ID: 500-13888-29

Lab Sample ID: 500-13888-29
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-30
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-31
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-32
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-33
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-34
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Lab Sample ID: 500-13888-35
Matrix: Water

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-1
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-2
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-3
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-4
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-5
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-6
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample ID: WS-15-7
Date Collected: 08/24/17 09:30
Date Received: 08/24/17 10:30

Method: 2008 - Metals (ICP-MS) - Soluble
Result: 0.01
Unit: mg/L

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Client Sample ID: WS-18-2

Date Collected: 05/24/17 06:33

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128588-36

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.50		0.50		ug/L		05/26/17 16:47	1	FXG

Accreditation/Certification and Definitions Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
μ	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)

Method Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: WS (77821)

TestAmerica Job ID: 500-128588-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.594.5200 Fax: 708.53



500-128568 C0C

Report To (optional)
Contact: DAVID BUCK
Company: MKA E.C.
Address: 9723 109TH ST, #7E
Address: CRESTWOOD, IL 60445
Phone: 630-285-9536
Fax:
E-Mail: DBATMKA@ATT.NET

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
POB/Reference#

Chain of Custody Record

Lab Job #: 500-128588

Chain of Custody Number:

Page 1 of 4

Temperature °C of Cooler: Unchilled

Client		Client Project #		Preservative											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. H2SO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Parameter													
Project Location/State		Lab PM													Comments		
Sampler																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix											
1		WS-1-1	5/24/17	5:49	1	N											
2		WS-1-2		5:50													
3		WS-2-1		5:51													
4		WS-2-2		5:52													
5		WS-3-1		5:54													
6		WS-3-2		5:55													
7		WS-4-1		5:56													
8		WS-4-2		5:57													
9		WS-5-1		5:59													
10		WS-5-2		5:59													

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)

Requested By	Company	Date	Time	Requested By	Company	Date	Time	Lab Counter
<u>David Buck</u>	<u>MKA E.C.</u>	<u>5/24/17</u>	<u>12:20 PM</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5/24/17</u>	<u>8:20</u>	<u>7A</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/24/17</u>	<u>10:30</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5/24/17</u>	<u>10:30</u>	
<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	

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

Client Comments

Lab Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.634.5200 Fax: 708.634.5211

Report To Contact: Company: <u>MHA E.C.</u> Address: Address: Phone: Fax: E-Mail:	(optional)	Bill To Contact: Company: Address: Address: Phone: Fax: POB/Reference:	(optional)
--	------------	---	------------

Chain of Custody Record

Lab Job #: 500-128588
Chain of Custody Number:
Page 2 of 4
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Comments	
Project Name		Lab Project #		Sampler		Lab PM		Preservative Key	
Sample ID		Sampling		# of Containers		Matrix			
Lab ID	MS/MSD	Date	Time						
11	WS-6-1	5/24/17	6:01						
12	WS-6-2		6:02						
13	WS-7-1		6:04						
14	WS-7-2		6:05						
15	WS-8-1		6:06						
16	WS-8-2		6:07						
17	WS-9-1		6:08						
18	WS-9-2		6:09						
19	WS-10-1		6:11						
20	WS-10-2		6:11						

Turnaround Time Required (Business Days)
☐ 1 Day ☐ 2 Days ☐ 5 Days ☐ 7 Days ☐ 10 Days ☐ 15 Days ☐ Other
 Requested Due Date: ☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: <u>[Signature]</u> Company: <u>MHA E.C.</u> Date: <u>5/24/17</u> Time: <u>18:20</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>5/24/17</u> Time: <u>8:20</u>	Lab Courier: <u>TA</u>
Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>5/24/17</u> Time: <u>10:30</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>5/24/17</u> Time: <u>10:30</u>	Shipped: <u>TA</u>
Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>5/24/17</u> Time: <u>10:30</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>5/24/17</u> Time: <u>10:30</u>	Hand Delivered: <u>TA</u>

Matrix Key WW - Wastewater SE - Sediment W - Water SO - Soil S - Soil L - Leachate SL - Sludge WL - Wipes MS - Miscellaneous DW - Drinking Water OL - Oil O - Other A - Air	Client Comments:	Lab Comments:
---	------------------	---------------

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.594.5200 Fax: 708.594.5211

Report To (optional)

Contact:

Company: MICA E.C.

Address:

Address:

Phone:

Fax:

E-Mail:

Bill To (optional)

Contact:

Company:

Address:

Address:

Phone:

Fax:

POB/Reference#

Chain of Custody Record

Lab Job #: 500-128588

Chain of Custody Number:

Page 3 of 4

Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Preservative Key		
MICA E.C.		77821						1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Project Location/State		Lab Project #		Lab PM				
M.S.										
Sampler		D. Buck								
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix				
21		WS-11-1	5/24/17	6:13	1	W				
22		WS-11-2		6:13	1					
23		WS-12-1		6:15	1					
24		WS-12-2		6:16	1					
25		WS-13-1		6:18	1					
26		WS-13-2		6:18	1					
27		WS-14-1		6:20	1					
28		WS-14-2		6:20	1					
29		WS-15-1		6:23	1					
30		WS-15-2		6:24	1					

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)

Requested by	Company	Date	Time	Received By	Company	Date	Time
<u>D. Buck</u>	<u>MICA E.C.</u>	<u>5/24/17</u>	<u>18:20</u>	<u>[Signature]</u>	<u>TRC</u>	<u>5/24/17</u>	<u>8:20</u>
Requested by	Company	Date	Time	Received By	Company	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/24/17</u>	<u>10:30</u>	<u>[Signature]</u>	<u>TRC</u>	<u>5/24/17</u>	<u>10:30</u>

Lab Courier: TRC

Shipped: [Signature]

Hand Delivered: [Signature]

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

Client Comments:

Lab Comments:

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To

Contact:

Company:

Address

Address:

Phone: _____

FDC

E-Mail

Bai To

Contact: _____

Composting

Address

Address

Phone:

For:

PO#/Reference:

Lab Job #: 500-128588

Chain of Custody Number:

Page 4 of 4

Temperature °C of Cooler:

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

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 6 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Sample Disposal

1

Disposed by Light

Received By <i>David Ruck</i>	Company <i>MGH-EG</i>	Date <i>5/24/17</i>	Time <i>18:20</i>	Received By <i>John T</i>	Company <i>TA</i>	Date <i>5/24/17</i>	Time <i>8:20</i>	Lab Counter <i>TA</i>
Received By <i>John T</i>	Company <i>TA</i>	Date <i>5/24/17</i>	Time <i>1030</i>	Received By <i>John T</i>	Company <i>TA</i>	Date <i>5/24/17</i>	Time <i>1030</i>	Shipped
Received By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

Matrix Key	
WW - Wastewater	SE - Sediment
W - Water	SO - Soil
S - Soil	L - Leachate
SL - Sludge	W1 - Wipo
MS - Miscellaneous	DW - Drinking Water
OL - Oil	O - Other
A - Air	

Client Comments

Lab Component

May 24, 2017

BLACKHAWK ELEMENTARY SCHOOL

- BS-1. Sink/faucet in Teachers lounge
- BS-2. Northeast hallway area, water fountain by restrooms; left
- BS-3. Northeast hallway area, water fountain by restrooms; right
- BS-4. Center hallway water fountain, by LRC and room 111; left
- BS-5. Center hallway water fountain, by LRC and room 111; right
- BS-6. Sink/faucet in Kindergarten room 174
- BS-7. South hallway water fountain, by restrooms 179 & 181; left
- BS-8. South hallway water fountain, by restrooms 179 & 181; right
- BS-9. Sink/faucet in Kindergarten room 176
- BS-10. Kitchen, sink/faucet on east wall
- BS-11. Nurses office restroom, sink/faucet
- BS-12. North hallway area, water fountain by restrooms 131/133

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: 500-128586-1
Client Project/Site: BS (77821)

For:

MKA Environmental Consulting, Inc.
5723 129th Street
#7E
Crestwood, Illinois 60445

Attn: David Buck



Authorized for release by:
5/30/2017 3:01:59 PM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAP 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.

Case Narrative

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Job ID: 500-128586-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-128586-1

Comments

No additional comments.

Receipt

The samples were received on 5/24/2017 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Metals

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.

Sample Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128586-1	BS-1-1	Water	05/24/17 06:44	05/24/17 10:30
500-128586-2	BS-1-2	Water	05/24/17 06:45	05/24/17 10:30
500-128586-3	BS-2-1	Water	05/24/17 06:47	05/24/17 10:30
500-128586-4	BS-2-2	Water	05/24/17 06:47	05/24/17 10:30
500-128586-5	BS-3-1	Water	05/24/17 06:48	05/24/17 10:30
500-128586-6	BS-3-2	Water	05/24/17 06:49	05/24/17 10:30
500-128586-7	BS-4-1	Water	05/24/17 06:52	05/24/17 10:30
500-128586-8	BS-4-2	Water	05/24/17 06:52	05/24/17 10:30
500-128586-9	BS-5-1	Water	05/24/17 06:53	05/24/17 10:30
500-128586-10	BS-5-2	Water	05/24/17 06:54	05/24/17 10:30
500-128586-11	BS-6-1	Water	05/24/17 06:57	05/24/17 10:30
500-128586-12	BS-6-2	Water	05/24/17 06:57	05/24/17 10:30
500-128586-13	BS-7-1	Water	05/24/17 07:01	05/24/17 10:30
500-128586-14	BS-7-2	Water	05/24/17 07:02	05/24/17 10:30
500-128586-15	BS-8-1	Water	05/24/17 07:03	05/24/17 10:30
500-128586-16	BS-8-2	Water	05/24/17 07:04	05/24/17 10:30
500-128586-17	BS-9-1	Water	05/24/17 07:06	05/24/17 10:30
500-128586-18	BS-9-2	Water	05/24/17 07:07	05/24/17 10:30
500-128586-19	BS-10-1	Water	05/24/17 07:08	05/24/17 10:30
500-128586-20	BS-10-2	Water	05/24/17 07:09	05/24/17 10:30
500-128586-21	BS-11-1	Water	05/24/17 07:12	05/24/17 10:30
500-128586-22	BS-11-2	Water	05/24/17 07:12	05/24/17 10:30
500-128586-23	BS-12-1	Water	05/24/17 07:14	05/24/17 10:30
500-128586-24	BS-12-2	Water	05/24/17 07:15	05/24/17 10:30

3

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Client Sample ID: BS-1-1

Date Collected: 05/24/17 06:44

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:51	1	FXG

Client Sample ID: BS-1-2

Date Collected: 05/24/17 06:45

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:52	1	FXG

Client Sample ID: BS-2-1

Date Collected: 05/24/17 06:47

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:53	1	FXG

Client Sample ID: BS-2-2

Date Collected: 05/24/17 06:47

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-4

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:54	1	FXG

Client Sample ID: BS-3-1

Date Collected: 05/24/17 06:48

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:55	1	FXG

Client Sample ID: BS-3-2

Date Collected: 05/24/17 06:49

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-6

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:56	1	FXG

Client Sample ID: BS-4-1

Date Collected: 05/24/17 06:52

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:58	1	FXG

TestAmerica Chicago

Client Sample Results

Lab Sample ID: 500-13888-1

Client Sample ID: 500-13888-1
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Lab Sample ID: 500-13888-1
Matrix: Water

Client Sample ID: 500-13888-1
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-1
Matrix: Water

Lab Sample ID: 500-13888-2
Matrix: Water

Client Sample ID: 500-13888-2
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-2
Matrix: Water

Lab Sample ID: 500-13888-3
Matrix: Water

Client Sample ID: 500-13888-3
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-3
Matrix: Water

Lab Sample ID: 500-13888-4
Matrix: Water

Client Sample ID: 500-13888-4
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-4
Matrix: Water

Lab Sample ID: 500-13888-5
Matrix: Water

Client Sample ID: 500-13888-5
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-5
Matrix: Water

Lab Sample ID: 500-13888-6
Matrix: Water

Client Sample ID: 500-13888-6
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-6
Matrix: Water

Lab Sample ID: 500-13888-7
Matrix: Water

Client Sample ID: 500-13888-7
Date Collected: 08/24/17 08:48
Date Received: 08/24/17 10:30

Method: 200.8 - Metals (ICP-MS) - Solution
Sample
Amount: 100.0 mL
Dilution: 10.0 mL
Concentration: 10.00 mg/L
Lab Sample ID: 500-13888-7
Matrix: Water

Lab Sample ID: 500-13888-8

Lab Sample ID: 500-13888-8

Lab Sample ID: 500-13888-8

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Client Sample ID: BS-4-2

Date Collected: 05/24/17 06:52

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-8

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 14:59	1	FXG

Client Sample ID: BS-5-1

Date Collected: 05/24/17 06:53

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:02	1	FXG

Client Sample ID: BS-5-2

Date Collected: 05/24/17 06:54

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-10

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:03	1	FXG

Client Sample ID: BS-6-1

Date Collected: 05/24/17 06:57

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-11

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:08	1	FXG

Client Sample ID: BS-6-2

Date Collected: 05/24/17 06:57

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:09	1	FXG

Client Sample ID: BS-7-1

Date Collected: 05/24/17 07:01

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-13

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:10	1	FXG

Client Sample ID: BS-7-2

Date Collected: 05/24/17 07:02

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-14

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:11	1	FXG

TestAmerica Chicago

Client Sample ID: 85-4-1

Lab Sample ID: 500-13888-8

Matrix: Water

Client Sample ID: 85-4-2
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-3
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-4
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-5
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-6
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-7
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample ID: 85-4-8
Date Collected: 08/24/17 08:32
Date Received: 08/24/17 10:30

Method: 20018 - Metals (ICP-MS) - Soluble
Analysis: Metals (ICP-MS) - Soluble
Sample: 0.05g

Lab Sample ID: 500-13888-8
Matrix: Water

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Client Sample ID: BS-8-1

Date Collected: 05/24/17 07:03

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-15

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:13	1	FXG

Client Sample ID: BS-8-2

Date Collected: 05/24/17 07:04

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-16

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:16	1	FXG

Client Sample ID: BS-9-1

Date Collected: 05/24/17 07:06

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-17

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:17	1	FXG

Client Sample ID: BS-9-2

Date Collected: 05/24/17 07:07

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-18

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:18	1	FXG

Client Sample ID: BS-10-1

Date Collected: 05/24/17 07:08

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-19

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.53		0.50		ug/L		05/26/17 15:19	1	FXG

Client Sample ID: BS-10-2

Date Collected: 05/24/17 07:09

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-20

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 15:21	1	FXG

Client Sample ID: BS-11-1

Date Collected: 05/24/17 07:12

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-21

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:48	1	FXG

TestAmerica Chicago

Client Sample Results

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Client Sample ID: BS-11-2

Date Collected: 05/24/17 07:12

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-22

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:49	1	FXG

Client Sample ID: BS-12-1

Date Collected: 05/24/17 07:14

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-23

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:50	1	FXG

Client Sample ID: BS-12-2

Date Collected: 05/24/17 07:15

Date Received: 05/24/17 10:30

Lab Sample ID: 500-128586-24

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	<0.50		0.50		ug/L		05/26/17 16:51	1	FXG

Accreditation/Certification and Definitions Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
π	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)

Method Summary

Client: MKA Environmental Consulting, Inc.
Project/Site: BS (77821)

TestAmerica Job ID: 500-128586-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.634.5200 Fax: 708.53



500-128588 COC

Report To (optional)

Contact: DAVID BUCK
Company: MIRA E.C. CONSULTING
Address: 583 129TH ST, #7E
Address: CRESTWOOD, IL 60445
Phone: 830-205-9536
Fax: _____
E-Mail: DATA@ATT.NET

Bill To (optional)

Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference: _____

Chain of Custody Record

Lab Job #: 500-128586

Chain of Custody Number: _____

Page 1 of 3

Temperature °C of Cooler: Unchilled

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
MIRA E.C.		77824									
Project Name		B.S.									
Project Location/State		Lab Project #									
Sampler		Lab PM									
O. Buck											
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers		Matrix			
				Date	Time						
1		BS-1-1		5/24/17	6:44	1		N			
2		BS-1-2			6:45	1					
3		BS-2-1			6:47	1					
4		BS-2-2			6:47	1					
5		BS-3-1			6:48	1					
6		BS-3-2			6:49	1					
7		BS-4-1			6:52	1					
8		BS-4-2			6:52	1					
9		BS-5-1			6:53	1					
10		BS-5-2			6:54	1					

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)

Received By	Company	Date	Time	Received By	Company	Date	Time
David Buck	MIRA E.C.	5/24/17	18:20 AM	TA	TA	5/24/17	8:20
Received By	Company	Date	Time	Received By	Company	Date	Time
TA	TA	5/24/17	10:30	TA	TA	5/24/17	10:30
Received By	Company	Date	Time	Received By	Company	Date	Time

Lab Counter

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.0211

Report To	(optional)	Bill To	(optional)
Contact:		Contact:	
Company: <u>MTA E.C.</u>		Company:	
Address:		Address:	
Address:		Address:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		POI/Reference#	

Chain of Custody Record

Lab Job #: 50A-128586
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: _____

Client		Client Project #		Preservative											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. H2SO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Parameter													
Project Location/State		Lab PII															
Sampler																	
Lab ID	MS/MSD	Sample ID	Sampling Date	Time	# of Containers	Matrix											Comments
11		BS-6-1	5/24/17	6:57	1	W											
12		BS-6-2		6:57	1												
13		BS-7-1		7:01	1												
14		BS-7-2		7:02	1												
15		BS-8-1		7:03	1												
16		BS-8-2		7:04	1												
17		BS-9-1		7:06	1												
18		BS-9-2		7:07	1												
19		BS-10-1		7:08	1												
20		BS-10-2		7:09	1												

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other ☐ Return to Client ☐ Disposed by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Retrieved By	Company	Date	Time	Retrieved By	Company	Date	Time
<u>Randy Back</u>	<u>MTA E.C.</u>	<u>5/24/17</u>	<u>10:20</u>	<u>[Signature]</u>	<u>MTA E.C.</u>	<u>5/24/17</u>	<u>10:30</u>
Retrieved By	Company	Date	Time	Retrieved By	Company	Date	Time
<u>[Signature]</u>	<u>MTA</u>	<u>5/24/17</u>	<u>10:30</u>	<u>[Signature]</u>	<u>MTA E.C.</u>	<u>5/24/17</u>	<u>10:30</u>

Lab Courier	<u>TA</u>
Shipped	
Hand Delivered	

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

Client Comments	Lab Comments:

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:

Company: MICA E.C.

Address:

Address:

Phone:

Fax:

E-Mail:

Bill To (optional)

Contact:

Company:

Address:

Address:

Phone:

Fax:

POB/Reference:

Chain of Custody Record

Lab Job #: 570-128586

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Comments	
Project Name		Lab Project #		Sampler		Lab PM			
<u>MICA E.C.</u>		<u>77821</u>							
<u>B.S.</u>									
<u>D. BUCA</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix			
<u>21</u>		<u>BS-11-1</u>	<u>5/24/17</u>	<u>7:12</u>	<u>1</u>	<u>W</u>			
<u>22</u>		<u>BS-11-2</u>		<u>7:12</u>	<u>1</u>	<u>W</u>			
<u>23</u>		<u>BS-12-1</u>		<u>7:14</u>	<u>1</u>	<u>W</u>			
<u>24</u>		<u>BS-12-2</u>		<u>7:15</u>	<u>1</u>	<u>W</u>			

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)

Received By	Company	Date	Time	Received By	Company	Date	Time
<u>David Rouch</u>	<u>MICA E.C.</u>	<u>5-24-17</u>	<u>8:10 AM</u>	<u>[Signature]</u>	<u>TA</u>	<u>5/24/17</u>	<u>8:27</u>
<u>[Signature]</u>	<u>TA</u>	<u>5/24/17</u>	<u>10:30</u>	<u>[Signature]</u>	<u>TA-CHT</u>	<u>5/24/17</u>	<u>10:30</u>

Lab Counter TA

Shipped

Hand Delivered

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

Client Comments

Lab Comments