

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110405-1

TestAmerica Sample Delivery Group: SET2894B

Client Project/Site: Lewport Middle

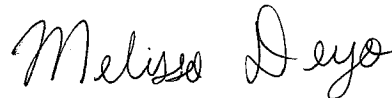
For:

Sienna Environmental Technologies LLC

350 Elmwood Avenue

Buffalo, New York 14222

Attn: Suzanne Kelley



Authorized for release by:

12/7/2016 2:47:30 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

Definitions/Glossary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Glossary

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

Case Narrative

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Job ID: 480-110405-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110405-1

Receipt

The sample was received on 12/2/2016 2:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.8° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: MSG-KFC-04 (480-110405-1). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved on 12/02/16 @ 1900. Acid lot number 139908

Metals

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

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

Detection Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Client Sample ID: MSG-KFC-04

Lab Sample ID: 480-110405-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.8		1.0	0.17	ug/L	1		200.8	Total/NA

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

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Client Sample ID: MSG-KFC-04

Lab Sample ID: 480-110405-1

Date Collected: 12/02/16 05:46

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:31	1

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

QC Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
 SDG: SET2894B

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-334705/1-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.17	ug/L		12/05/16 10:09	12/05/16 23:11	1

Lab Sample ID: LCS 480-334705/2-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	19.85		ug/L		99	85 - 115

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

QC Association Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Metals

Prep Batch: 334705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110405-1	MSG-KFC-04	Total/NA	Water	200.8	
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 334948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	334705
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	334705

Analysis Batch: 335179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110405-1	MSG-KFC-04	Total/NA	Water	200.8	334705

Lab Chronicle

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Client Sample ID: MSG-KFC-04

Lab Sample ID: 480-110405-1

Date Collected: 12/02/16 05:46

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:31	MTM2	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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

Method Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Middle

TestAmerica Job ID: 480-110405-1
SDG: SET2894B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110405-1	MSG-KFC-04	Water	12/02/16 05:46	12/02/16 14:00

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

Chain of Custody Record

Client Information		Sampler: <i>Randall Bauer</i>		Lab P/N: Devo, Melissa L		Carrier Tracking No(s):	
Client Contact: Joe Pastore		Phone: 716-332-3134 x305		E-Mail: melissa.devo@testamericainc.com		COC No:	
Company: Sienna Environmental Technologies LLC		Due Date Requested:		Analysis Requested		Page: 1 of 1	
Address: 350 Elmwood Avenue		TAT Requested (days): 10		PO #: Purchase Order not required		Job #: 2894B	
City: Buffalo		State, Zip: NY, 14222		Project #: <i>SET 2894B</i>		Preservation Codes: A - HCL M - Hexane B - N C - Z D - F E - N F - N G - / H - / I - lc 480-110405 COC J - E K - E L - EDA Z - other (specify) Other:	
Phone: 716-332-3134(Tel)		Purchase Order not required		Field Filtered Sample (Yes or No)		Total Number of Containers	
Email: Labresults@siennaet.com		WO #:		200.8 - Lead		Special Instructions/Note:	
Project Name: Lead in Drinking Water Analysis		Project #: <i>SET 2894B</i>		Matrix (W=water, S=solid, O=wastewater, BT=Tissue, Ascp)		Preservation Code	
Site: <i>Lewport Middle</i>		SSOW#:		Sample Type (C=Comp, G=grab)		Sample Time	
Sample Identification		Sample Date		Sample Time		Matrix	
<i>MS6-KFC-04</i>		<i>12/2/16</i>		<i>0546</i>		<i>G</i> Water	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Date:		Time:	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time: <i>12-2-16 / 1400</i>		Company: <i>Sienna</i>		Received by: <i>Charkow</i>	
Empty Kit Relinquished by:		Date/Time:		Company:		Date/Time:	
Relinquished by: <i>Randall Bauer</i>		Date/Time:		Company:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>15.8H 10.5E</i>		Special Instructions/QC Requirements:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Method of Shipment:		Date/Time: <i>12/2/16 1400</i>	
Company: <i>TA</i>		Date/Time:		Company:		Date/Time:	
Company:		Date/Time:		Company:		Date/Time:	



Login Sample Receipt Checklist

Client: Sienna Environmental Technologies LLC

Job Number: 480-110405-1

SDG Number: SET2894B

Login Number: 110405

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SIENNA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110406-1

TestAmerica Sample Delivery Group: SET2894D

Client Project/Site: Lewport Primary Educ. Center

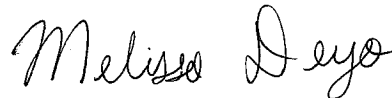
For:

Sienna Environmental Technologies LLC

350 Elmwood Avenue

Buffalo, New York 14222

Attn: Suzanne Kelley



Authorized for release by:

12/7/2016 2:56:04 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

Definitions/Glossary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Glossary

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

Case Narrative

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Job ID: 480-110406-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110406-1

Receipt

The samples were received on 12/2/2016 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.8° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: PEC36-CFC-04 (480-110406-1), PEC37-CFC-04 (480-110406-2) and PEC36-CF9-04 (480-110406-3). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved on 12/02/16 @ 1900. Acid lot number 139908.

Metals

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

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

Detection Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Client Sample ID: PEC36-CFC-04

Lab Sample ID: 480-110406-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		1.0	0.17	ug/L	1		200.8	Total/NA

Client Sample ID: PEC37-CFC-04

Lab Sample ID: 480-110406-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.2		1.0	0.17	ug/L	1		200.8	Total/NA

Client Sample ID: PEC39-CFC-04

Lab Sample ID: 480-110406-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.6		1.0	0.17	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Client Sample ID: PEC36-CFC-04

Date Collected: 12/02/16 06:00

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:38	1

Client Sample ID: PEC37-CFC-04

Date Collected: 12/02/16 06:01

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:44	1

Client Sample ID: PEC39-CFC-04

Date Collected: 12/02/16 06:02

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:51	1

QC Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
 SDG: SET2894D

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-334705/1-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.17	ug/L		12/05/16 10:09	12/05/16 23:11	1

Lab Sample ID: LCS 480-334705/2-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	19.85		ug/L		99	85 - 115

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

QC Association Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Metals

Prep Batch: 334705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110406-1	PEC36-CFC-04	Total/NA	Water	200.8	
480-110406-2	PEC37-CFC-04	Total/NA	Water	200.8	
480-110406-3	PEC39-CFC-04	Total/NA	Water	200.8	
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 334948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	334705
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	334705

Analysis Batch: 335179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110406-1	PEC36-CFC-04	Total/NA	Water	200.8	334705
480-110406-2	PEC37-CFC-04	Total/NA	Water	200.8	334705
480-110406-3	PEC39-CFC-04	Total/NA	Water	200.8	334705

Lab Chronicle

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Client Sample ID: PEC36-CFC-04

Date Collected: 12/02/16 06:00

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:38	MTM2	TAL BUF

Client Sample ID: PEC37-CFC-04

Date Collected: 12/02/16 06:01

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:44	MTM2	TAL BUF

Client Sample ID: PEC39-CFC-04

Date Collected: 12/02/16 06:02

Date Received: 12/02/16 14:00

Lab Sample ID: 480-110406-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:51	MTM2	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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

Method Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110406-1	PEC36-CFC-04	Water	12/02/16 06:00	12/02/16 14:00
480-110406-2	PEC37-CFC-04	Water	12/02/16 06:01	12/02/16 14:00
480-110406-3	PEC39-CFC-04	Water	12/02/16 06:02	12/02/16 14:00

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

Chain of Custody Record

Client Information		Sampler: <u>Randall Bauer</u>		Lab PWT: Deyo, Melissa L		Carrier Tracking No(s):	
Client Contact: Joe Pastore		Phone: 716-332-3134 x305		E-Mail: melissa.deyo@testamericainc.com		Page of	
Company: Sierra Environmental Technologies LLC		Due Date Requested:		Analysis Requested		Job #: <u>SET 2894D</u>	
Address: 350 Elmwood Avenue		TAT Requested (days): <u>10</u>		PO #: Purchase Order not required		Preservation Codes: A - HCL M - Hexane B - NaOH N - Nitro C - Zn O - Other (specify) D - Ni P - Phosphate E - Ni S - Solids F - M T - Tissue, A - Air G - A X3 H - A I - Ice J - DI 480-110406 COC K - EL L - EDA Other:	
City: Buffalo		PO #: <u>SET 2894D</u>		Project #: <u>SET 2894D</u>		Total Number of Containers	
State, Zip: NY, 14222		WO #:		SSOW#:		Special Instructions/Note:	
Phone: 716-332-3134(Tel)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Email: Labresults@siemaet.com		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
Project Name: Lead in Drinking Water Analysis		Site: <u>Lewport Primary Educ. Center</u>		Sample Date		Sample Type (C=Comp, G=grab)	
Site: <u>Lewport Primary Educ. Center</u>		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
Sample Identification		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
<u>PEC 36-CFC-04</u>		<u>12-2-16</u>		<u>0600</u>		<u>G</u> Water	
<u>PEC 37-CFC-04</u>		<u>12-2-16</u>		<u>0601</u>		<u>G</u> water	
<u>PEC 39-CFC-04</u>		<u>12-2-16</u>		<u>0602</u>		<u>G</u> water	
Possible Hazard Identification		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
Deliverable Requested: I, II, III, IV, Other (specify)		Sample Date		Sample Time		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <u>R. B. 12</u>		Date/Time: <u>12-2-16/1400</u>		Company: <u>Siemaet</u>		Received by: <u>M. Kow</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals: Intact		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company: <u>TA</u>	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<u>518 #1 No 7CF</u>		<u>12/2/16 1400</u>		Company: <u>TA</u>	



Login Sample Receipt Checklist

Client: Sienna Environmental Technologies LLC

Job Number: 480-110406-1

SDG Number: SET2894D

Login Number: 110406

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SIENNA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110407-1

TestAmerica Sample Delivery Group: SET2894A

Client Project/Site: Lewport High School

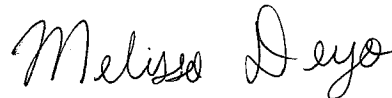
For:

Sienna Environmental Technologies LLC

350 Elmwood Avenue

Buffalo, New York 14222

Attn: Suzanne Kelley



Authorized for release by:

12/7/2016 2:58:03 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

Definitions/Glossary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

Glossary

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

Case Narrative

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

Job ID: 480-110407-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110407-1

Receipt

The samples were received on 12/2/2016 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.8° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: HS22-KCC-04 (480-110407-1), HS24-KCC-04 (480-110407-2), HS25-KCC-04 (480-110407-3) and HS18-WC-04 (480-110407-4). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved on 12/02/16 @ 1900. Acid lot number 139908.

Metals

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

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

Detection Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

Client Sample ID: HS22-KCC-04

Lab Sample ID: 480-110407-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.7		1.0	0.17	ug/L	1		200.8	Total/NA

Client Sample ID: HS24-KCC-04

Lab Sample ID: 480-110407-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		1.0	0.17	ug/L	1		200.8	Total/NA

Client Sample ID: HS25-KCC-04

Lab Sample ID: 480-110407-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.1		1.0	0.17	ug/L	1		200.8	Total/NA

Client Sample ID: HS18-WC-04

Lab Sample ID: 480-110407-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
 SDG: SET2894A

Client Sample ID: HS22-KCC-04

Lab Sample ID: 480-110407-1

Date Collected: 12/02/16 05:33

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:57	1

Client Sample ID: HS24-KCC-04

Lab Sample ID: 480-110407-2

Date Collected: 12/02/16 05:34

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 15:09	1

Client Sample ID: HS25-KCC-04

Lab Sample ID: 480-110407-3

Date Collected: 12/02/16 05:35

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 15:16	1

Client Sample ID: HS18-WC-04

Lab Sample ID: 480-110407-4

Date Collected: 12/02/16 05:40

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 15:22	1

QC Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
 SDG: SET2894A

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-334705/1-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.17	ug/L		12/05/16 10:09	12/05/16 23:11	1

Lab Sample ID: LCS 480-334705/2-A
 Matrix: Water
 Analysis Batch: 334948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 334705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.85		ug/L		99	85 - 115

QC Association Summary

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
 SDG: SET2894A

Metals

Prep Batch: 334705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110407-1	HS22-KCC-04	Total/NA	Water	200.8	
480-110407-2	HS24-KCC-04	Total/NA	Water	200.8	
480-110407-3	HS25-KCC-04	Total/NA	Water	200.8	
480-110407-4	HS18-WC-04	Total/NA	Water	200.8	
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 334948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	334705
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	334705

Analysis Batch: 335179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110407-1	HS22-KCC-04	Total/NA	Water	200.8	334705
480-110407-2	HS24-KCC-04	Total/NA	Water	200.8	334705
480-110407-3	HS25-KCC-04	Total/NA	Water	200.8	334705
480-110407-4	HS18-WC-04	Total/NA	Water	200.8	334705



Lab Chronicle

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
 SDG: SET2894A

Client Sample ID: HS22-KCC-04

Lab Sample ID: 480-110407-1

Date Collected: 12/02/16 05:33

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:57	MTM2	TAL BUF

Client Sample ID: HS24-KCC-04

Lab Sample ID: 480-110407-2

Date Collected: 12/02/16 05:34

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 15:09	MTM2	TAL BUF

Client Sample ID: HS25-KCC-04

Lab Sample ID: 480-110407-3

Date Collected: 12/02/16 05:35

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 15:16	MTM2	TAL BUF

Client Sample ID: HS18-WC-04

Lab Sample ID: 480-110407-4

Date Collected: 12/02/16 05:40

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 15:22	MTM2	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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

Method Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport High School

TestAmerica Job ID: 480-110407-1
SDG: SET2894A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110407-1	HS22-KCC-04	Water	12/02/16 05:33	12/02/16 14:00
480-110407-2	HS24-KCC-04	Water	12/02/16 05:34	12/02/16 14:00
480-110407-3	HS25-KCC-04	Water	12/02/16 05:35	12/02/16 14:00
480-110407-4	HS18-WC-04	Water	12/02/16 05:40	12/02/16 14:00

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

Chain of Custody Record

<p>Client Information</p> <p>Company: <u>Sienna Environmental Technologies LLC</u> Address: <u>350 Elmwood Avenue</u> City: <u>Buffalo</u> State, Zip: <u>NY, 14222</u> Phone: <u>716-332-3134(Tel)</u> Email: <u>Labresults@siennaet.com</u> Project Name: <u>Lead in Drinking Water Analysis</u> Site: <u>Lew Port High School</u></p>		<p>Sampler: <u>Randall Bower</u> Lab PM: <u>Deyo, Melissa L</u> Phone: <u>716-332-3134 x305</u> E-Mail: <u>melissa.deyo@testamericainc.com</u></p>		<p>Carrier Tracking No(s): Page: <u>1 of 1</u> Job #: <u>SET2894A</u></p>		<p>Analysis Requested</p>																																																																					
<p>Due Date Requested: TAT Requested (days): <u>10</u> PO #: <u>Purchase Order not required</u> WO #: <u></u> Project #: <u>SET2894A</u> SSO#: <u></u></p>		<p>Field Filtered Sample (Yes or No) <input type="checkbox"/></p> <p>Performs MS/MSD (Yes or No) <input type="checkbox"/></p> <p>200.8 - Lead <input type="checkbox"/></p>		<p>Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitri E - NaF F - MeC G - Am H - Ask I - Ice J - DI1 K - ED 480-110407 COC L - ED actify) Other: <u></u></p>		<p>Special Instructions/Note: Total Number of Containers: <u></u></p>																																																																					
<p>Sample Identification</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (Water, Solid, or waste/oil)</th> </tr> </thead> <tbody> <tr> <td><u>HS22-KCC-04</u></td> <td><u>12/2/16</u></td> <td><u>0533</u></td> <td><u>G</u></td> <td><u>Water</u></td> </tr> <tr> <td><u>HS24-KCC-04</u></td> <td><u>12/2/16</u></td> <td><u>0534</u></td> <td><u>G</u></td> <td><u>water</u></td> </tr> <tr> <td><u>HS25-KCC-04</u></td> <td><u>12/2/16</u></td> <td><u>0535</u></td> <td><u>G</u></td> <td><u>water</u></td> </tr> <tr> <td><u>HS18-WC-04</u></td> <td><u>12/2/16</u></td> <td><u>0540</u></td> <td><u>G</u></td> <td><u>water</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, or waste/oil)	<u>HS22-KCC-04</u>	<u>12/2/16</u>	<u>0533</u>	<u>G</u>	<u>Water</u>	<u>HS24-KCC-04</u>	<u>12/2/16</u>	<u>0534</u>	<u>G</u>	<u>water</u>	<u>HS25-KCC-04</u>	<u>12/2/16</u>	<u>0535</u>	<u>G</u>	<u>water</u>	<u>HS18-WC-04</u>	<u>12/2/16</u>	<u>0540</u>	<u>G</u>	<u>water</u>																																														<p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)</p>		<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p>	
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, or waste/oil)																																																																							
<u>HS22-KCC-04</u>	<u>12/2/16</u>	<u>0533</u>	<u>G</u>	<u>Water</u>																																																																							
<u>HS24-KCC-04</u>	<u>12/2/16</u>	<u>0534</u>	<u>G</u>	<u>water</u>																																																																							
<u>HS25-KCC-04</u>	<u>12/2/16</u>	<u>0535</u>	<u>G</u>	<u>water</u>																																																																							
<u>HS18-WC-04</u>	<u>12/2/16</u>	<u>0540</u>	<u>G</u>	<u>water</u>																																																																							
<p>Empty Kit Relinquished by: <u>Randall Bower</u> Date: <u>12-2-16/1400</u></p>		<p>Received by: <u>Anna Kow</u> Date/Time: <u>12/2/16/1400</u> Company: <u>Sienna</u></p>		<p>Method of Shipment: _____</p>																																																																							
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>		<p>Received by: _____ Date/Time: _____ Company: _____</p>		<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>																																																																							
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>		<p>Received by: _____ Date/Time: _____ Company: _____</p>		<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>																																																																							
<p>Custody Seals: Intact: <u>Yes</u> <input type="checkbox"/> No <input type="checkbox"/></p>		<p>Cooler Temperature(s) °C and Other Remarks: <u>518 #1 No FCF</u></p>		<p>Special Instructions/QC Requirements:</p>																																																																							



Login Sample Receipt Checklist

Client: Sienna Environmental Technologies LLC

Job Number: 480-110407-1

SDG Number: SET2894A

Login Number: 110407

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SIENNA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

February 23, 2017

Patricia Grupka
 Lewiston-Porter CSD
 4061 Creek Road
 Youngstown, NY 14174

**Re: Additional Lead in Water Sampling Report – Resample 10/25/16
 Lewiston-Porter CSD
 Lewiston-Porter Primary Education Center
 SET #2894D**

Dear Ms. Grupka:

At your request, Sienna Environmental Technologies has conducted additional water sampling of potable water outlets that had exceeded the action limit for lead contaminants during initial sampling for the above referenced property. Sampling was client directed and conducted on October 25, 2016 prior to the facility opening in the morning and before any water was used. The outlets tested were reported to be out of service for a minimum of 8 hours, but not more than 18 hours, prior to sample collection. Sampling was performed in accordance with 1370-a and 1110, Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York, and US EPA guidelines.

Sienna Environmental Technologies was charged with:

- Collecting a sample volume of 250 milliliters (mL), collected from cold water outlets after not being used for 8-18 hours. Sample locations were client directed.
- Sending samples to an independent laboratory for lead analysis by ICP Method 200.8 in conformance with NYS and US EPA guidelines.
- Providing a report of the sampling and analysis of the potable water for lead contamination to the School District.

Initial Client ID Sample No.	Date of Initial Sample	Initial Results (µg/L)	Sample Description		Resample Client ID Sample No.	Date of Resample	Type of Resample	Resample Results (µg/L)
			Location of Outlet	Type of Outlet				
Lewiston-Porter Primary Education Center								
PEC36-CFC-01	09/27/16	18.3	Room G-13	Classroom Faucet Cold	PEC36-CFC-02	10/25/16	Second Flush	0.87
PEC37-CFC-01	09/27/16	69.4	Room G-14	Classroom Faucet Cold	PEC37-CFC-02	10/25/16	Second Flush	0.7
PEC39-CFC-01	09/27/16	16.5	Room G-12	Classroom Faucet Cold	PEC39-CFC-02	10/25/16	Second Flush	1.2



If you have any questions, or if we can be of assistance in any other way, please do not hesitate to call. Thank you for the opportunity to be of service to Lewiston-Porter CSD.

Sincerely,
Sienna Environmental Technologies, LLC

A handwritten signature in black ink, appearing to read "Raymond Cich", is written over the printed name.

Raymond Cich
Operations Manager



Appendix A General Conditions of Sampling

1. Sienna Environmental Technologies, LLC neither accepts nor implies any liability for the implementation of the recommendations found within this report.
2. The results of the laboratory analytical reports that may be contained herein are the product of the knowledge, experience and expertise of the laboratory retained to perform such services. Sienna Environmental Technologies neither accepts nor implies any liability for sample analysis reports compiled by others.
3. This report is based on the condition and contents present at the site on the day of the inspection. Sienna Environmental Technologies, LLC is not liable for materials, chemicals or other substances of concern that may have been removed or introduced to the site, prior to the inspection date or subsequent to that date.



Appendix B Chains of Custody and Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-131408-4
TestAmerica Sample Delivery Group: SET2894
Client Project/Site: Lewiston-Porter CSD Primary Edu. Center

For:
Sienna Environmental Technologies LLC
350 Elmwood Avenue
Buffalo, New York 14222

Attn: Suzanne Kelley

Melissa Deyo

Authorized for release by:
11/1/2016 11:10:48 AM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

LINKS

Review your project
results through
Total Access

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

Definitions/Glossary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Glossary

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

Case Narrative

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Job ID: 680-131408-4

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-131408-4

Receipt

The samples were received on 10/27/2016 9:09 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.5° C.

Metals

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



Detection Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

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

Client Sample ID: PEC 36-CFC-02SF

Lab Sample ID: 680-131408-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.87		0.30	0.060	ug/L	1		200.8-1994 R5.4	Total/NA

Client Sample ID: PEC 37-CFC-02SF

Lab Sample ID: 680-131408-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.70		0.30	0.060	ug/L	1		200.8-1994 R5.4	Total/NA

Client Sample ID: PEC 39-CFC-02SF

Lab Sample ID: 680-131408-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.2		0.30	0.060	ug/L	1		200.8-1994 R5.4	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Savannah

Client Sample Results

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Client Sample ID: PEC 36-CFC-02SF

Lab Sample ID: 680-131408-23

Date Collected: 10/25/16 06:23

Matrix: Water

Date Received: 10/27/16 09:09

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.87		0.30	0.060	ug/L		10/30/16 13:01	10/31/16 13:51	1

Client Sample ID: PEC 37-CFC-02SF

Lab Sample ID: 680-131408-24

Date Collected: 10/25/16 06:25

Matrix: Water

Date Received: 10/27/16 09:09

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.70		0.30	0.060	ug/L		10/30/16 13:01	10/31/16 13:15	1

Client Sample ID: PEC 39-CFC-02SF

Lab Sample ID: 680-131408-25

Date Collected: 10/25/16 06:26

Matrix: Water

Date Received: 10/27/16 09:09

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.30	0.060	ug/L		10/30/16 13:01	10/31/16 15:45	1

QC Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
 SDG: SET2894



Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 680-455471/1-A
Matrix: Water
Analysis Batch: 455679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455471

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.30	0.060	ug/L		10/30/16 13:01	10/31/16 12:35	1

Lab Sample ID: LCS 680-455471/2-A
Matrix: Water
Analysis Batch: 455679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Lead	50.0	49.19		ug/L		98	85 - 115	

Lab Sample ID: MB 680-455482/1-A
Matrix: Water
Analysis Batch: 455679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455482

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.30	0.060	ug/L		10/30/16 13:01	10/31/16 15:09	1

Lab Sample ID: LCS 680-455482/2-A
Matrix: Water
Analysis Batch: 455679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Lead	50.0	49.28		ug/L		99	85 - 115	

QC Association Summary

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
 SDG: SET2894

Metals

Prep Batch: 455471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131408-23	PEC 36-CFC-02SF	Total/NA	Water	200	
680-131408-24	PEC 37-CFC-02SF	Total/NA	Water	200	
MB 680-455471/1-A	Method Blank	Total/NA	Water	200	
LCS 680-455471/2-A	Lab Control Sample	Total/NA	Water	200	

Prep Batch: 455482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131408-25	PEC 39-CFC-02SF	Total/NA	Water	200	
MB 680-455482/1-A	Method Blank	Total/NA	Water	200	
LCS 680-455482/2-A	Lab Control Sample	Total/NA	Water	200	

Analysis Batch: 455679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131408-23	PEC 36-CFC-02SF	Total/NA	Water	200.8-1994 R5.4	455471
680-131408-24	PEC 37-CFC-02SF	Total/NA	Water	200.8-1994 R5.4	455471
680-131408-25	PEC 39-CFC-02SF	Total/NA	Water	200.8-1994 R5.4	455482
MB 680-455471/1-A	Method Blank	Total/NA	Water	200.8-1994 R5.4	455471
MB 680-455482/1-A	Method Blank	Total/NA	Water	200.8-1994 R5.4	455482
LCS 680-455471/2-A	Lab Control Sample	Total/NA	Water	200.8-1994 R5.4	455471
LCS 680-455482/2-A	Lab Control Sample	Total/NA	Water	200.8-1994 R5.4	455482



Lab Chronicle

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
 SDG: SET2894

Client Sample ID: PEC 36-CFC-02SF

Lab Sample ID: 680-131408-23

Date Collected: 10/25/16 06:23

Matrix: Water

Date Received: 10/27/16 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	455471	10/30/16 13:01	AJR	TAL SAV
Total/NA	Analysis	200.8-1994 R5.4		1			455679	10/31/16 13:51	BJB	TAL SAV
Instrument ID: ICPMSD										

Client Sample ID: PEC 37-CFC-02SF

Lab Sample ID: 680-131408-24

Date Collected: 10/25/16 06:25

Matrix: Water

Date Received: 10/27/16 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	455471	10/30/16 13:01	AJR	TAL SAV
Total/NA	Analysis	200.8-1994 R5.4		1			455679	10/31/16 13:15	BJB	TAL SAV
Instrument ID: ICPMSD										

Client Sample ID: PEC 39-CFC-02SF

Lab Sample ID: 680-131408-25

Date Collected: 10/25/16 06:26

Matrix: Water

Date Received: 10/27/16 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	455482	10/30/16 13:01	AJR	TAL SAV
Total/NA	Analysis	200.8-1994 R5.4		1			455679	10/31/16 15:45	BJB	TAL SAV
Instrument ID: ICPMSD										

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Certification Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10842	03-31-17

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17



Method Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Method	Method Description	Protocol	Laboratory
200.8-1994 R5.4	Metals (ICP/MS)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Sample Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewiston-Porter CSD Primary Edu. Center

TestAmerica Job ID: 680-131408-4
SDG: SET2894

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-131408-23	PEC 36-CFC-02SF	Water	10/25/16 06:23	10/27/16 09:09
680-131408-24	PEC 37-CFC-02SF	Water	10/25/16 06:25	10/27/16 09:09
680-131408-25	PEC 39-CFC-02SF	Water	10/25/16 06:26	10/27/16 09:09

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

TestAmerica Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record



Client Information		Sampler: <u>Raymond C. H.</u> Lab PM: <u>Devo, Melissa L.</u> Client Contact: <u>Raymond C. H.</u> Phone: <u>716-332-3134 x310</u> E-Mail: <u>melissa.devo@testamericainc.com</u>		Carrier Tracking No(s): Job #:		Page of Page #	
Company: <u>Sienna Environmental Technologies LLC</u> Address: <u>350 Elmwood Avenue</u> City: <u>Buffalo</u> State: <u>ZP</u> NY, <u>14222</u> Phone: <u>716-332-3134(Tel)</u> Email: <u>Labresults@siennaet.com</u> Project Name: <u>Lead in Drinking Water Analysis</u> Site: <u>Lewiston - Porter CSD</u>		Due Date Requested: TAT Requested (days): <u>10</u> PO #: <u>Purchase Order not required</u> WO #: <u>SET2894</u> Project #: <u>SET2894</u> SSOW#:		Analysis Requested Total Number of Containers:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - H2SO4 S - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Site: <u>Lewiston - Porter CSD</u> <u>PRIMAry EDUCATION</u> <u>CENTER</u>		Matrix: <u>Water</u> Sample Type: <u>G</u> Sample Time: <u>6:23</u> <u>6:25</u> <u>6:26</u>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		Special Instructions/Note: 2008 - Lead	
Sample Identification <u>PEC 36 - CFC - 02 SF</u> <u>PEC 37 - CFC - 02 SF</u> <u>PEC 39 - CFC - 02 SF</u>		Sample Date: <u>10-25-16</u> <u>10-25-16</u> <u>10-25-16</u>		Preservation Code: <u>G</u> <u>Water</u>		Special Instructions/Note: 1	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological							
Deliverable Requested: I, II, III, IV, Other (specify)							
Empty Kit Relinquished by:							
Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u>		Date: <u>10-25-16</u> <u>10/26/16</u> <u>10/26/16</u>		Date/Time: <u>11-25-16 1305</u> <u>10-27-16 9:09</u>		Company: <u>SIENNA</u> <u>SIENNA</u> <u>SIENNA</u>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>19.1 #1 16.6/16.5</u>		Company:	



Login Sample Receipt Checklist

Client: Sienna Environmental Technologies LLC

Job Number: 680-131408-4

SDG Number: SET2894

Login Number: 131408

List Source: TestAmerica Savannah

List Number: 1

Creator: Banda, Christy S

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



February 23, 2017

Patricia Grupka
 Lewiston-Porter CSD
 4061 Creek Road
 Youngstown, NY 14174

**Re: Additional Lead in Water Sampling Report – Resample 12/02/16
 Lewiston-Porter CSD
 Lewiston-Porter Primary Education Center
 SET #2894D**

Dear Ms. Grupka:

At your request, Sienna Environmental Technologies has conducted additional water sampling of potable water outlets that had exceeded the action limit for lead contaminants during initial sampling for the above referenced property. Sampling was client directed and conducted on December 02, 2016 prior to the facility opening in the morning and before any water was used. The outlets tested were reported to be out of service for a minimum of 8 hours, but not more than 18 hours, prior to sample collection. Sampling was performed in accordance with 1370-a and 1110, Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York, and US EPA guidelines.

Sienna Environmental Technologies was charged with:

- Collecting a sample volume of 250 milliliters (mL), collected from cold water outlets after not being used for 8-18 hours. Sample locations were client directed.
- Sending samples to an independent laboratory for lead analysis by ICP Method 200.8 in conformance with NYS and US EPA guidelines.
- Providing a report of the sampling and analysis of the potable water for lead contamination to the School District.

Initial Client ID Sample No.	Date of Initial Sample	Initial Results (µg/L)	Sample Description		Resample Client ID Sample No.	Date of Resample	Type of Resample	Resample Results (µg/L)
			Location of Outlet	Type of Outlet				
Lewiston-Porter Primary Education Center								
PEC36-CFC-01	09/27/16	18.3	Room G-13	Classroom Faucet Cold	PEC36-CFC-04	12/02/16	Initial Draw	2.4
PEC37-CFC-01	09/27/16	69.4	Room G-14	Classroom Faucet Cold	PEC37-CFC-04	12/02/16	Initial Draw	2.2
PEC39-CFC-01	09/27/16	16.5	Room G-12	Classroom Faucet Cold	PEC39-CFC-04	12/02/16	Initial Draw	3.6



If you have any questions, or if we can be of assistance in any other way, please do not hesitate to call. Thank you for the opportunity to be of service to Lewiston-Porter CSD.

Sincerely,
Sienna Environmental Technologies, LLC

A handwritten signature in black ink, appearing to read "Raymond Cich", is written over the printed name.

Raymond Cich
Operations Manager



Appendix A General Conditions of Sampling

1. Sienna Environmental Technologies, LLC neither accepts nor implies any liability for the implementation of the recommendations found within this report.
2. The results of the laboratory analytical reports that may be contained herein are the product of the knowledge, experience and expertise of the laboratory retained to perform such services. Sienna Environmental Technologies neither accepts nor implies any liability for sample analysis reports compiled by others.
3. This report is based on the condition and contents present at the site on the day of the inspection. Sienna Environmental Technologies, LLC is not liable for materials, chemicals or other substances of concern that may have been removed or introduced to the site, prior to the inspection date or subsequent to that date.



Appendix B Chains of Custody and Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110406-1

TestAmerica Sample Delivery Group: SET2894D

Client Project/Site: Lewport Primary Educ. Center

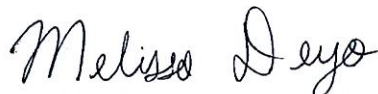
For:

Sienna Environmental Technologies LLC

350 Elmwood Avenue

Buffalo, New York 14222

Attn: Suzanne Kelley



Authorized for release by:

12/7/2016 2:56:04 PM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

Client Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
 SDG: SET2894D

Client Sample ID: PEC36-CFC-04

Lab Sample ID: 480-110406-1

Date Collected: 12/02/16 06:00

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:38	1

Client Sample ID: PEC37-CFC-04

Lab Sample ID: 480-110406-2

Date Collected: 12/02/16 06:01

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:44	1

Client Sample ID: PEC39-CFC-04

Lab Sample ID: 480-110406-3

Date Collected: 12/02/16 06:02

Matrix: Water

Date Received: 12/02/16 14:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6		1.0	0.17	ug/L		12/05/16 10:09	12/06/16 14:51	1



QC Sample Results

Client: Sienna Environmental Technologies LLC
 Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
 SDG: SET2894D

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-334705/1-A
Matrix: Water
Analysis Batch: 334948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 334705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.17	ug/L		12/05/16 10:09	12/05/16 23:11	1

Lab Sample ID: LCS 480-334705/2-A
Matrix: Water
Analysis Batch: 334948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 334705
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	19.85		ug/L		99	85 - 115

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

QC Association Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Metals

Prep Batch: 334705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110406-1	PEC36-CFC-04	Total/NA	Water	200.8	
480-110406-2	PEC37-CFC-04	Total/NA	Water	200.8	
480-110406-3	PEC39-CFC-04	Total/NA	Water	200.8	
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 334948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-334705/1-A	Method Blank	Total/NA	Water	200.8	334705
LCS 480-334705/2-A	Lab Control Sample	Total/NA	Water	200.8	334705

Analysis Batch: 335179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110406-1	PEC36-CFC-04	Total/NA	Water	200.8	334705
480-110406-2	PEC37-CFC-04	Total/NA	Water	200.8	334705
480-110406-3	PEC39-CFC-04	Total/NA	Water	200.8	334705



Lab Chronicle

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Client Sample ID: PEC36-CFC-04

Lab Sample ID: 480-110406-1

Date Collected: 12/02/16 06:00

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:38	MTM2	TAL BUF

Client Sample ID: PEC37-CFC-04

Lab Sample ID: 480-110406-2

Date Collected: 12/02/16 06:01

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:44	MTM2	TAL BUF

Client Sample ID: PEC39-CFC-04

Lab Sample ID: 480-110406-3

Date Collected: 12/02/16 06:02

Matrix: Water

Date Received: 12/02/16 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			334705	12/05/16 10:09	MVZ	TAL BUF
Total/NA	Analysis	200.8		1	335179	12/06/16 14:51	MTM2	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17



Method Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Sienna Environmental Technologies LLC
Project/Site: Lewport Primary Educ. Center

TestAmerica Job ID: 480-110406-1
SDG: SET2894D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110406-1	PEC36-CFC-04	Water	12/02/16 06:00	12/02/16 14:00
480-110406-2	PEC37-CFC-04	Water	12/02/16 06:01	12/02/16 14:00
480-110406-3	PEC39-CFC-04	Water	12/02/16 06:02	12/02/16 14:00

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

TestAmerica Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: <i>Randall Bauer</i>		Lab PM: Deyo, Melissa L		Carrier Tracking No(s):		COC No:	
Client Contact: Joe Pastore		Phone: 716-332-3134 X305		E-Mail: melissa.deyo@testamericainc.com		Page of		Job #: SET 2894D	
Company: Sienna Environmental Technologies LLC		Address: 350 Elmwood Avenue		City: Buffalo		State, Zip: NY, 14222		Phone: 716-332-3134(Tel)	
Email: Labresults@siennaet.com		PO #: Purchase Order not required		W/O #: 10		Date Requested:		TAT Requested (days):	
Project Name: Lead in Drinking Water Analysis		Project #: SET 2894D		SSOW#:		Site: <i>Lewport Primary Educ. Center</i>		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn D - Ni E - Ni F - Mi G - A H - A I - Ice J - DI 480-110406 COC K - EL L - EDA Z - other (specify) Other:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Water, Solid, Other)	
PEC 36 - CFC - 04		12-2-16		0600		G		Water	
PEC 37 - CFC - 04		12-2-16		0601		G		water	
PEC 39 - CFC - 04		12-2-16		0602		G		water	
Special Instructions/Note:		Field Fill (Red Sample Yes or No)		200.8 - Lead		Performance (Yes or No)		Total Number of Containers	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:		Method of Shipment:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date:		Received by:		Date/Time:	
Relinquished by: <i>Ball</i>		Date/Time: 12-2-16/1400		Company: Sienna		Received by: <i>J. K. Kow</i>		Date/Time: 12/2/16/1400	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 51.8#1 No 7CF		Company:		Date/Time:	

Login Sample Receipt Checklist

Client: Sienna Environmental Technologies LLC

Job Number: 480-110406-1
SDG Number: SET2894D

Login Number: 110406
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SIENNA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

