



Keystone Laboratories - Newton
 CERTIFICATE OF ANALYSIS
 1GL1078

Lenz Construction LLC

Project Name: Ames History Museum

Brad Lenz
 P.O. Box 295
 Glibert, IA 50105

Project / PO Number: / Ames History Museum
 Received: 12/15/2023
 Reported: 12/27/2023

Analytical Testing Parameters

Client Sample ID:	TB-1/1-South End	Collected By:	BSL
Sample Matrix:	Soil	Collection Date:	12/14/2023 14:20
Lab Sample ID:	1GL1078-01		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
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SM 2540 G								
% Solids	88.0	0.10	%	1		12/18/23 0828	12/18/23 1248	MEA

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
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EPA 3050B/EPA 6010B								
Arsenic, total	9.8	3.6	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Barium, total	90.1	0.72	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Cadmium, total	<0.7	0.7	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Chromium, total	13.9	2.2	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Lead, total	70.0	3.6	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Selenium, total	8.6	2.2	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
Silver, total	<0.7	0.7	mg/kg dry	1		12/19/23 0702	12/20/23 0347	JAR
EPA 7471A								
Mercury, total	0.07	0.05	mg/kg dry	1		12/27/23 0720	12/27/23 1109	JAR

Client Sample ID:	TB-1/2-North End	Collected By:	BSL
Sample Matrix:	Soil	Collection Date:	12/14/2023 14:18
Lab Sample ID:	1GL1078-02		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
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SM 2540 G								
% Solids	87.7	0.10	%	1		12/18/23 0828	12/18/23 1248	MEA

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
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EPA 3050B/EPA 6010B								
Arsenic, total	6.7	3.4	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Barium, total	171	0.69	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Cadmium, total	<0.7	0.7	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Chromium, total	17.1	2.1	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Lead, total	63.0	3.4	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Selenium, total	7.3	2.1	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
Silver, total	<0.7	0.7	mg/kg dry	1		12/19/23 0702	12/20/23 0357	JAR
EPA 7471A								
Mercury, total	0.22	0.05	mg/kg dry	1		12/27/23 0720	12/27/23 1112	JAR

Keystone Laboratories - Newton
CERTIFICATE OF ANALYSIS
1GL1078

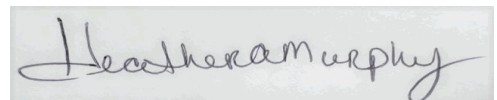
Definitions

RL: Reporting Limit

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
12/27/23 16:16

Keystone

LABORATORIES
A Microbac Company

500 EAST 17TH STREET S
NEWTON, IA 50208
541-792-8451



Lenz Construction LLC
P.M.: Heather Murphy

Printed: 12/14/2023 11:36:53A
Page 1 of 1

www.keystonelab.com

SITE INFORMATION

Sampler: Ames History Museum
Project: Ames History Museum

REPORT 1
Brad Lenz
Lenz Construction LLC
P.O. Box 295
Gilbert, IA 50105

INVOICE TO
Brad Lenz
Lenz Construction LLC
P.O. Box 295
Gilbert, IA 50105

SPECIAL INSTRUCTIONS
None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY
Work Order: 1GL1078
Temperature: 14.9
Turn-Cooler:
 Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice *N/A*

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	TB-1 - South End	SOIL	GRAB	12/14/23	2:20	1	3050b-icp-digestion solid-dry-weight ret-mil-t-solid	01

Relinquished By _____ Date/Time _____

Relinquished By *Frank Fall* Date/Time *12/15/23 8:25*

Remarks:

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Original - Lab Copy Yellow - Sampler Copy

Keystone

LABORATORIES
A Microbac Company

600 East 17th Street
Newton, IA 50208
641-792-8451

CHAIN OF CUSTODY



1 G L 1 0 7 8

Lenz Construction LLC
PMC: Heather Murphy

www.keystonelab.com

12/14/2023 11:36:55A

SITE INFORMATION

Sampler: Ames History Museum
Project: Ames History Museum

SPECIAL INSTRUCTIONS

None

Turn Around Time
 Standard RUSH, need by ___/___/___

REPORT TO

Brad Lenz
Lenz Construction LLC
P.O. Box 295
Gilbert, IA 50105

INVOICE TO

Brad Lenz
Lenz Construction LLC
P.O. Box 295
Gilbert, IA 50105

LAB USE ONLY

Work Order: 16L1078

Temperature: 14.9

Turn-Cooler:

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
Received on Ice N/A

Number: 18-1-2 North End

Matrix: Soil

Sample Type: GRAB

Date: 12/14/23

Time: 2:18

Number of Containers: 1

Analyses: 3050b-1cp-digestion
3050b-1cp-digestion
tetra-mil-f-solid
solids-dry-weight

Lab Sample Number: 02

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received for Lab By: _____ Date/Time: _____

Remarks:

Original - Lab Copy Yellow - Sampler Copy