September 7, 2018

Mr. Richard H. Thompson, P.E.
City of Fort Myers, Engineering Division
2200 Second St.
Fort Myers, Florida 33902

RE: South Street Property: Organic Matter Sampling and Analysis
3348 South Street
Fort Myers, Lee County, Florida
FDEP ID: COM_288039
GFA Project No. 17-5281

Dear Mr. Thompson:

Per your request, GFA is please to provide this letter reporting the organic matter sampling and analysis performed at the reference project site.

On August 31, 2018 GFA personnel collected samples of vegetative organic matter (grasses, weeds and leaves) and wooden organic matter (tree trunks) for laboratory analysis of Arsenic. 10 randomly selected locations at the project site were identified as areas to collect representative vegetative and wooden organic matter samples. Equal portions of organic matter was collected from each location into 1-gallon plastic bags.

Vegetative matter was collected by using a clean knife blade to cut grass, weeds and leafy vegetation. After collecting vegetative matter at the 10 locations, the vegetative matter was composited and processed using a clean hand-held food processing blender, which fine cut and blended the vegetative matter into composite sample VGC-1.

The wooden matter was collected by using a 1-inch wood bit or paddle bit, drilled approximated ¾-inch into the various tree trucks at the 10 sample locations. Tree wood cuttings and dust were collected into a 1-gallon plastic bag during drilling. After collecting wood shaving and dust at the 10 locations, the sample was thoroughly mix into composite sample TW-1.

Organic matter samples were collected into laboratory supplied glass containers and immediately placed on wet-ice for transport under strict chain-of-custody to a NELAC accredited analytical laboratory for analysis of Arsenic following United States Environmental Protection Agency (EPA) Method 6010.

On September 6, 2018, GFA received the attached analytical laboratory report from Advanced Environmental Laboratories, Inc. (AEL). Arsenic was not detected in any the organic matter samples above the laboratory method detection limit of 0.10 mg/Kg. The residential default exposure soil cleanup target level for Arsenic is 2.1 mg/Kg, according to Chapter 62-777, F.A.C., Table II.

Based on the lab results of the organic matter samples collected at the project site, the organic matter, vegetative ground cover and wood trees have not been significantly impacted by the Arsenic contaminated lime residual deposited at the project site.

Should you have any questions, please do not hesitate to contact the undersigned at (239) 489-2443. Thank you for using GFA for you engineering consulting needs.

Sincerely,
GFA INTERNATIONAL, INC.

Scott A. McManus, P.G.
Environmental Department Manager

Attachments: Advanced Environmental Laboratories, Inc. Report, September 6, 2018.

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

September 6, 2018

Scott McManus
GFA International
5851 country Lakes Dr
Fort Myers, FL 33905

RE: Workorder: F1804384 SOUTH STREET

Dear Scott McManus:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, August 31, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Bunnell - Lab Manager
JBunnell@AELLab.com

Enclosures

CERTIFICATE OF ANALYSIS

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Fax: (239) 674-8128

SAMPLE SUMMARY

Workorder: F1804384 SOUTH STREET

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F1804384001	TW-1	Soil	8/31/2018 10:30	8/31/2018 16:28
F1804384002	VGC-1	Soil	8/31/2018 10:30	8/31/2018 16:28

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ANALYTICAL RESULTS

Workorder: F1804384 SOUTH STREET

Lab ID: **F1804384001** Date Received: 08/31/18 16:28 Matrix: Soil

Sample ID: **TW-1** Date Collected: 08/31/18 10:30

Results for sample F1804384001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.10**	**U**	**mg/Kg**	**1**	0.49	0.10	9/4/2018 21:08	T
METALS								
Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**34**		**%**	**1**	0.0010	0.0010	9/5/2018 15:07	T

Lab ID: **F1804384002** Date Received: 08/31/18 16:28 Matrix: Soil

Sample ID: **VGC-1** Date Collected: 08/31/18 10:30

Results for sample F1804384002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.10**	**U**	**mg/Kg**	**1**	0.49	0.10	9/4/2018 21:13	T
METALS								
Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**75**		**%**	**1**	0.0010	0.0010	9/5/2018 15:07	T

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ANALYTICAL RESULTS

Workorder: F1804384 SOUTH STREET

Lab ID:	**F1804384002**	Date Received:	08/31/18 16:28	Matrix:	Soil
Sample ID:	**VGC-1**	Date Collected:	08/31/18 10:30		

Results for sample F1804384002 are reported on a dry weight basis.

Sample Description: Location:

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F1804384 SOUTH STREET

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

T	DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: F1804384 SOUTH STREET

QC Batch:	DGMt/2192	Analysis Method:	SW-846 6010
QC Batch Method:	SW-846 3050B	Prepared:	09/04/2018 11:00
Associated Lab Samples:	F1804384001, F1804384002		

METHOD BLANK: 2827737

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.035	0.035	U
Arsenic	mg/Kg	0.054	0.054	U
Barium	mg/Kg	0.025	0.025	U
Cadmium	mg/Kg	0.0063	0.0063	U
Chromium	mg/Kg	0.10	0.10	U
Lead	mg/Kg	0.053	0.053	U
Selenium	mg/Kg	0.091	0.091	U

QUALITY CONTROL DATA QUALIFIERS

Workorder: F1804384 SOUTH STREET

QUALITY CONTROL PARAMETER QUALIFIERS

U The compound was analyzed for but not detected.

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F1804384 SOUTH STREET

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F1804384001	TW-1	SW-846 3050B	DGMt/2192	SW-846 6010	ICPt/1686
F1804384002	VGC-1	SW-846 3050B	DGMt/2192	SW-846 6010	ICPt/1686
F1804384001	TW-1			SM 2540G	WCAt/5833
F1804384002	VGC-1			SM 2540G	WCAt/5833

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F1804384

Advanced Environmental Laboratories, Inc.

Florida's Largest Laboratory Network

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☐ **Tallahassee:** 2639 North Monroe St., Suite D, Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.3
☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4

Page_____ of ___

Client Name: GFA	Project Name: South Street
Address: 5851 Country Lakes Dr Ft. Myers, FL 33905	Project Number: 17-5281
	PO Number: 175281
Phone: 239-489-2443	FDEP Facility No:
FAX:	FDEP Facility Address:
Contact: Scott McManus	
Sampled By: Scott McManus	Special Instructions:
Turn Around Time: ☐ STANDARD ☒ RUSH	
AEL Profile #:	☐ ADaPT ☐ EQuIS ☐ Other

BOTTLE SIZE & TYPE

ANALYSIS REQUIRED: As 6010

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	As 6010
TW-1	Tree Wood	C	8/31/18	10:30	So	1	✓
VGC-1	Grass/weeds	C	↓	10:30	So	1	✓

Preservation

Field-Filtered?

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thio

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked

Temp. when received (observed) 3.2 °C Temp. when received (corrected) 0.

DCN: AD-051 Form last revised 06/19/2017

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/31/18	16:28	[signature]	8/31/18	1628
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:_____

Contact Person:_____ Phone :_____

Supplier of Water:_____

Site-Address:_____