

April 14, 2020

Transmitted Via: Email (rbarton@tuscaloosa.com)

Mr. Russ Barton, PE
Director of Logistics and Asset Management
Infrastructure and Public Services
City of Tuscaloosa
2201 University Blvd.
Tuscaloosa, AL 35401

Re: Asbestos Bulk and Lead Based Paint Sampling and Testing
Exterior & Interior Window Samples

Old Tuscaloosa City Hall Building 2201 University Boulevard Tuscaloosa, Alabama

TTL Project No.: 000190101007.00

Dear Mr. Barton:

Transmitted with this letter are results of testing for asbestos bulk (22 samples) and Lead-Based Paint (LBP, 3 samples) for the above-referenced project (see Attachment). Asbestos bulk and LBP samples were collected on April 8, 2020 from selected windows which TTL understands will be part of a renovation project at the Old Tuscaloosa City Hall Building. Samples were collected by TTL, Inc. (TTL) technician Mr. Marc McCracken and Mr. Garry Pearson of Garry Pearson, Inc. under subcontract to TTL. The technique used for identification of asbestos was Polarized Light Microscopy (PLM) coupled with dispersion staining. Lead-Based Paint samples were sent to EMSL Analytical, Inc. for analysis by Flame Atomic Absorption.

Samples of window glaze and caulking tested negative for asbestos. The samples collected from the interior window sills are not LBP by definition (0.50% by weight or 5000 ppm). However, the paint does contain lead and if part of the window renovation will involve grinding and scraping then the contractor should use Lead Work Safe Practices. Contractors with Lead Renovation, Repair and Painting Program (RRP) or LBP certifications will use Lead Work Safe Practices.

If you have any questions, call J. Mark Tanner (205) 765-1919.

Sincerely

TTL, Inc.

J. Mark Tanner, P.G.

Sr. Principal Geologist

Kenneth M. Bailey, P.E.

Principal Engineer

Attachments: Asbestos Bulk and LBP Sample Results

cc: Brian E. Brooker – Ellis Architects (bbrooker@ellisarchitects.com)

12918 Rolling Meadows Circle Northport, Alabama 35473 (205)394-0115

Asbestos Sampling Results Tuscaloosa City Hall Exterior Windows Tuscaloosa, Alabama

Sample	Location	Material Sampled	Asbestos Fibers	Components	Friable
1	Front 1 st floor 3 rd window from left	Window glazing	None		
2	Front 1 st floor 3 rd window from left	Window caulking	None		
3	Front 1 st floor 4 th window from left	Window glazing	None		
4	Front 1 st floor 4 th window from left	Window caulking	None		
5	Balcony 2 nd floor 1 st window from left	Window glazing	None		
6	Balcony 2 nd floor 1 st window from left	Window caulking	None		
7	Balcony 2 nd floor 4 th window from left	Window glazing	None		
8	Balcony 2 nd floor 4 th window from left	Window caulking	None		
9	Dormer window	Window glazing	None		
10	Dormer window	Window caulking	None		
11	S.E. window 3 rd floor	Window glazing	None		
12	S.E. window 3 rd floor	Window caulking	None		
13	S.E. window 2 nd floor	Window glazing	None		
14	S.E. window 2 nd floor	Window caulking	None		
15	S.E. window 1 st floor	Window glazing	None		
16	S.E. window 1 st floor	Window caulking	None		
17	Back window 3 rd floor	Window glazing	None		
18	Back window 3 rd floor	Window caulking	None		

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Asbestos Sampling Results Tuscaloosa City Hall Exterior Windows Tuscaloosa, Alabama

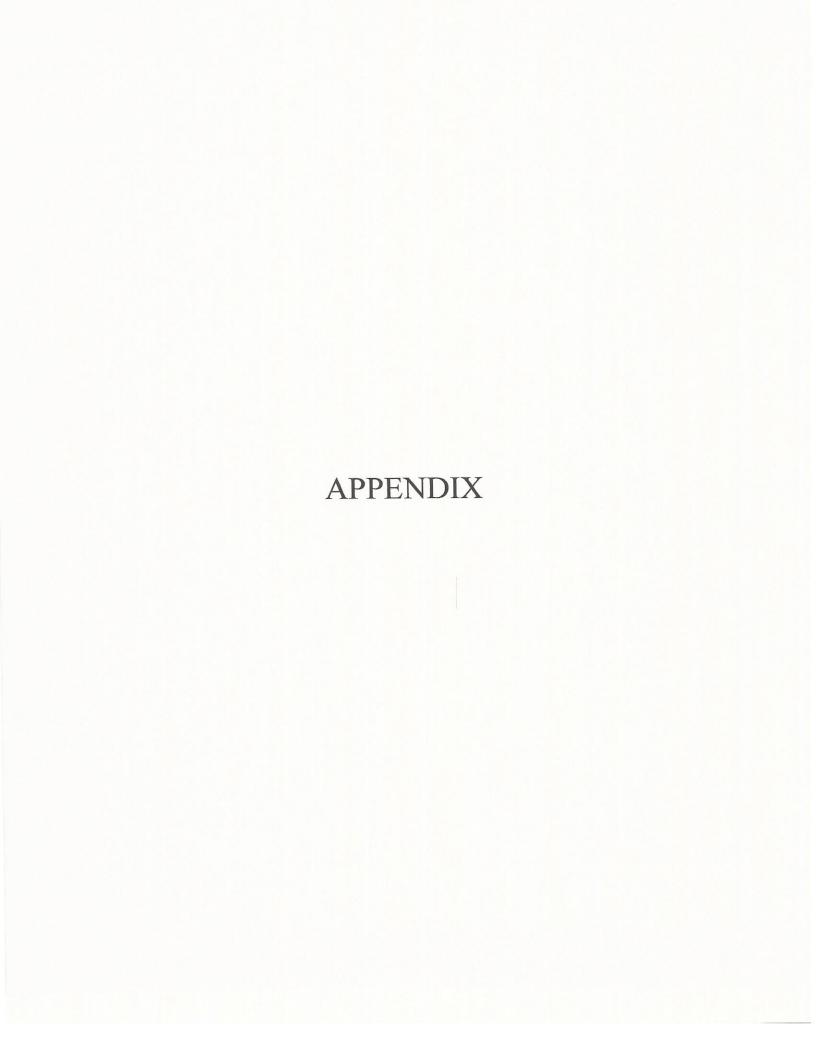
Sample	Location	Material Sampled	Asbestos Fibers	Components	Friable
19	Back window 2 nd floor	Window glazing	None		
20	Back window 2 nd floor	Window caulking	None		
21	Back window 1sr floor	Window glazing	None		
22	Back window 1st floor	Window caulking	None		
_					

12918 Rolling Meadows Circle Northport, Alabama 35473 (205)394-0115

Lead Based Paint (LBP) Sampling Results Tuscaloosa City Hall Interior Windows Tuscaloosa, Alabama

Sample	Location	Material Sampled	LBP % by weight	LBP ppm	
PC1	3 rd floor OCA back window	Window sill	0.16	1600	
PC2	3 rd floor OCA side window	Window sill	0.094	940	
PC3	3 rd floor City Attorney office window	Window sill	0.074	740	

Definition of Lead Based Paint – 0.50% by weight or 5000 ppm



CLIENT: TTL,	Inc.		
ADDRESS:	3516 Greensboro Ave	enue, Tuscaloosa, Ala	abama 35401
DATE OF ANA	LYSIS: 04-08-	20	
SAMPLED BY:	GCP	_ SAMPLE DATE:	04-09-20
SAMPLE I.D. N	NO.: 1	LAB NO.:	
SAMPLE LOCA	ATION: Tuscaloosa (City Hall – front 1st floo	or 3rd window from left glazing
GROSS SAMF	PLE DESCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysot	ile		
Amosite	e		
Crocido	lite		
Anthrop	pyllite		
Tremoli	te		
Glass Fibers:			
Mineral Wool:			
Cellulose/Pape	er or Wood Fibers:		
Others: calcite	material	X	100
Comments:			
Notes:	Technique use	t Microscopy coupled wed for identification e of each component is	ith dispersion straining is the svisually estimated
			Microscopist

CLIENT: TTL,	Inc.		
ADDRESS:	3516 Greensboro Ave	enue, Tuscaloosa, Ala	bama 35401
DATE OF ANA	ALYSIS: 04-08-	20	
SAMPLED BY	: GCP	SAMPLE DATE:	04-09-20
SAMPLE I.D. I	NO.: 2	LAB NO.:	
SAMPLE LOC	ATION: Tuscaloosa (City Hall – front 1st floo	or 4 th window from left caulking
GROSS SAMF	PLE DESCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysot Amosite Crocido Anthrop	e ilite pyllite		
Tremoli Glass Fibers:	te		
Mineral Wool:			
	er or Wood Fibers:		
Others: latex m		X	100
Notes:	Technique use	Microscopy coupled wi d for identification e of each component is	th dispersion straining is the visually estimated

CLIENT: TTL, In	C.		
ADDRESS: 35	16 Greensboro Av	enue, Tuscaloosa, A	labama 35401
DATE OF ANAL	YSIS: 04-08-	-20	
SAMPLED BY: _	GCP	_ SAMPLE DATE: _	04-09-20
SAMPLE I.D. NO).:3	LAB NO.:	
SAMPLE LOCAT	TON: Tuscaloosa	City Hall – front 1st flo	oor 4th window from left glazing
GROSS SAMPLI	E DESCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite		-	
Crocidolite	9		
Anthropyll	ite		
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper	or Wood Fibers:		
Others: calcite ma	aterial	X	100
Comments:			
Notes: *		t Microscopy coupled wed for identification	vith dispersion straining is the
**		e of each component is	s visually estimated Microscopist

BULK SAMPLE ANALYSIS

CLIENT: TTL	_, Inc.			
ADDRESS:_	3516 (Greensboro Ave	enue, Tuscaloosa, Al	abama 35401
DATE OF AN	IALYSIS	6:04-08-	20	
SAMPLED B	Y: GCP		_ SAMPLE DATE: _	04-09-20
SAMPLE I.D.	NO.:	4	LAB NO.:	
SAMPLE LO	CATION	l: Tuscaloosa (City Hall – front 1 st flo	or 4th window from left caulking
GROSS SAM	IPLE DE	SCRIPTION:_	granular material	
			MATERIALS	ESTIMATED PERCENT
			MATERIALS PRESENT*	IN SAMPLE**
Asbestos: Chryso	otile			
Amosi	te			
Crocid	lolite		-	
Anthro	pyllite			
Tremo	olite			
Glass Fibers:				
Mineral Wool				
Cellulose/Pap	er or Wo	ood Fibers:		
Others: latex i	material		X	100
Comments:_				
Notes:	*		Microscopy coupled wi	ith dispersion straining is the
	**		e of each component is	visually estimated
				& My Team

Microscopist /

CLIENT: TTL,	, Inc.		
ADDRESS:	3516 Greensboro Av	venue, Tuscaloosa, Al	abama 35401
DATE OF ANA	ALYSIS: 04-08	-20	
SAMPLED BY	: GCP	_ SAMPLE DATE: _	04-09-20
SAMPLE I.D.	NO.:5	LAB NO.:	
SAMPLE LOC	CATION: Tuscaloosa	City Hall – balcony 2 ⁿ	^d floor 1 st window glazing
GROSS SAMI	PLE DESCRIPTION:	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chryso	tile		
Amosite	е		
Crocido	olite		
Anthrop	pyllite		
Tremol	lite		
Glass Fibers:			
Mineral Wool:			
Cellulose/Pap	er or Wood Fibers:		
Others: calcite	material	Х	100
Comments:	and the second s		
Notes:	Technique us	nt Microscopy coupled w ed for identification ge of each component is	rith dispersion straining is the svisually estimated
			Harris time

CLIENT: <u>TTL,</u>	Inc.		
ADDRESS:	3516 Greensboro	Avenue, Tuscaloosa, A	labama 35401
DATE OF ANA	LYSIS: 04-0	08-20	
SAMPLED BY:	GCP	SAMPLE DATE: _	04-09-20
SAMPLE I.D. N	NO.:6	LAB NO.:	
SAMPLE LOCA	ATION: Tuscaloos	a City Hall – balcony 2	nd floor 1 st window caulking
GROSS SAMP	PLE DESCRIPTION	N: granular materia	I
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysoti	ile		
Amosite			
Crocidol	lite		
Anthrop	yllite		
Tremolit	te		
Glass Fibers:			-
Mineral Wool:			
Cellulose/Pape	r or Wood Fibers:		
Others: latex ma	aterial	X	100
Comments:			
Notes:	Technique u	used for identification	with dispersion straining is the
		tage of each component i	s visually estimated
			Microscopist /

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.			
ADDRESS: 3516 C	Greensboro Ave	enue, Tuscaloosa, Ala	abama 35401
DATE OF ANALYSIS	:04-08-	20	
SAMPLED BY: GCP		_ SAMPLE DATE:	04-09-20
SAMPLE I.D. NO.:	7	LAB NO.:	
SAMPLE LOCATION	:_Tuscaloosa (City Hall – balcony 2 nd	floor 4 th window glazing
GROSS SAMPLE DE	SCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite			
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or We	ood Fibers:		
Others: calcite materia	ıl	X	100
Comments:		a a secondario de la companio de la	
Notes: *		Microscopy coupled wi	th dispersion straining is the
**		e of each component is	visually estimated

Microscopist

CLIENT: TTL, Inc.			
ADDRESS: 3516	Greensboro Av	venue, Tuscaloosa, A	Nabama 35401
DATE OF ANALYS	IS: <u>04-08</u>	-20	
SAMPLED BY: GC	;P	_ SAMPLE DATE:	04-09-20
SAMPLE I.D. NO.:_	8	LAB NO.:	
SAMPLE LOCATIO	N: Tuscaloosa	City Hall – balcony 2	end floor 4th window caulking
GROSS SAMPLE [DESCRIPTION:	granular materia	ıl
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite			
Tremolite		-	
Glass Fibers:			-
Mineral Wool:			
Cellulose/Paper or \	Nood Fibers:		
Others: latex materia	ıl	x	100
Comments:			
Notes: *	Technique use	ed for identification	with dispersion straining is the
	rne percentaç	ge of each component i	Microscopist
			L.

CLIENT: TTL	, Inc.				
ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401					
DATE OF ANA	ALYSIS: 04	1-08-20			
SAMPLED BY	: GCP	SAMPLE DATE: _	04-09-20		
SAMPLE I.D.	SAMPLE I.D. NO.: 9 LAB NO.:				
SAMPLE LOC	CATION: Tuscalo	osa City Hall – dormer wir	ndow glazing		
GROSS SAMPLE DESCRIPTION: granular material					
		MATERIALS PRESENT*			
Asbestos: Chryso	tile				
			PARAMETER AND ADDRESS OF THE PARAMETER AND AD		
Amosit	е	-			
Crocido	olite				
Anthrop	pyllite				
Tremol	lite				
Glass Fibers:					
Mineral Wool:					
Cellulose/Pape	er or Wood Fibers				
Others: calcite	material	X	100		
Comments:_					
Notes:		Light Microscopy coupled we used for identification	ith dispersion straining is the		
		entage of each component is	visually estimated		
			A. A.		
			Microscop st		

BULK SAMPLE ANALYSIS

CLIENT: TTL	, Inc.			
ADDRESS:	3516 G	reensboro Ave	enue, Tuscaloosa, Ala	abama 35401
DATE OF ANA	ALYSIS:	04-08-	20	
SAMPLED BY	: GCP	- A.S. J. A. H. J. J. M. J.	SAMPLE DATE:	04-09-20
SAMPLE I.D.	NO.:	10	_ LAB NO.:	
SAMPLE LOC	ATION:	Tuscaloosa (City Hall – dormer win	dow caulking
GROSS SAMI	PLE DES	SCRIPTION:_	granular material	
			MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chryso Amosite Crocido Anthrop Tremol Glass Fibers: Mineral Wool: Cellulose/Pape Others: latex n	e polite pyllite ite er or Wo	od Fibers:	X	
Comments:_ Notes:	*	Technique use	Microscopy coupled w d for identification e of each component is	ith dispersion straining is the visually estimated

Microscopist

BULK SAMPLE ANALYSIS

CLIENT: TTL,	Inc.	and the second s		
ADDRESS:	3516 G	reensboro Ave	nue, Tuscaloosa, Ala	bama 35401
DATE OF ANA	LYSIS:	04-08-2	20	
SAMPLED BY:	GCP		SAMPLE DATE:	04-09-20
SAMPLE I.D. N	NO.:	11	_ LAB NO.:	
SAMPLE LOCA	ATION:	Tuscaloosa C	City Hall – S.E. 3rd floo	or window glazing
GROSS SAMF	LE DE	SCRIPTION:_	granular material	
			MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysot	ile			
Amosite				
Crocido	lite			
Anthrop	yllite			
Tremoli	te			
Glass Fibers:				
Mineral Wool:				
Cellulose/Pape	r or Wo	od Fibers:		
Others: calcite	material		x	100
Comments:				
Notes:	*		Microscopy coupled wit d for identification	h dispersion straining is the
	**		e of each component is	
				Sam Haum

Microscopist

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.			
ADDRESS: 3516 G	reensboro Ave	nue, Tuscaloosa, Ala	bama 35401
DATE OF ANALYSIS:	04-08-2	20	
SAMPLED BY: GCP		SAMPLE DATE:	04-09-20
SAMPLE I.D. NO.:	12	_ LAB NO.:	
SAMPLE LOCATION:	Tuscaloosa C	city Hall – S.E. 3 rd floo	r window caulking
GROSS SAMPLE DES	SCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			· · · · · · · · · · · · · · · · · · ·
Crocidolite			
Anthropyllite			
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or Wo	od Fibers:		
Others: latex material		X	100
Comments:			
Notes: *	Technique used	Microscopy coupled wit d for identification e of each component is	th dispersion straining is the
			Sauce Hearn

Microscopist/

CLIENT: TTL,	Inc.			
ADDRESS:	3516 G	reensboro Ave	enue, Tuscaloosa, Ala	abama 35401
DATE OF ANA	ALYSIS:	04-08-	20	
SAMPLED BY	: GCP		_ SAMPLE DATE:	04-09-20
SAMPLE I.D. I	NO.:	13	LAB NO.:	
SAMPLE LOC	ATION	Tuscaloosa (City Hall – S.E.2 nd floo	or window glazing
GROSS SAMF	PLE DE	SCRIPTION:_	granular material	
			MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysot	tile			
Amosite	е			
Crocido	olite			
Anthrop	oyllite			
Tremoli	ite			
Glass Fibers:				-
Mineral Wool:				
Cellulose/Pape	er or Wo	ood Fibers:		
Others: calcite	materia	I	x	100
Comments:				
Notes:	*	Technique use	t Microscopy coupled wed for identification e of each component is	Sauf trais
				Microscopist

12918 Rolling Meadows Circle * Northport, Alabama, 35473 Phone (205) 394-0115

CLIENT: TTL, Inc.			
ADDRESS: 3516 (Greensboro Av	enue, Tuscaloosa, A	labama 35401
DATE OF ANALYSIS	:04-08-	-20	
SAMPLED BY: GCP	***	_ SAMPLE DATE: _	04-09-20
SAMPLE I.D. NO.:	14	LAB NO.:	
SAMPLE LOCATION	:_Tuscaloosa	City Hall – S.E.2 nd flo	or window caulking
GROSS SAMPLE DE	SCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite		· <u></u>	
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or Wo	ood Fibers:		
Others: latex material		X	100
Comments:			
Notes: *	Technique use	d for identification	ith dispersion straining is the
**	The percentage	e of each component is	s visually estimated
			Microscopist

CLIENT: <u>TTL</u> ,	, Inc.		
ADDRESS:	3516 Greensboro A	venue, Tuscaloosa, Al	abama 35401
DATE OF ANA	ALYSIS: 04-0	8-20	
SAMPLED BY	: GCP	SAMPLE DATE: _	04-09-20
SAMPLE I.D. I	NO.: 15	LAB NO.:	
SAMPLE LOC	ATION: Tuscaloosa	a City Hall - S.E.1st floo	or window glazing
GROSS SAMI	PLE DESCRIPTION	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chryso	tile		
Amosite	е		
Crocido	olite		
Anthrop	pyllite		
Tremol	ite		
Glass Fibers:			
Mineral Wool:			
Cellulose/Pape	er or Wood Fibers:		
Others: calcite	material	X	100
Comments:_			
Notes:	Technique us	tht Microscopy coupled wased for identification age of each component is	vith dispersion straining is the s visually estimated
			Microscopist

CLIENT: TTL, Inc.	- Andrews		-
ADDRESS: 3516	Greensboro Ave	enue, Tuscaloosa, Al	abama 35401
DATE OF ANALYSIS	S:04-08-	20	
		SAMPLE DATE: _	
SAMPLE I.D. NO.:_	16	LAB NO.:	
SAMPLE LOCATION	N: Tuscaloosa (City Hall – S.E. 1st floo	or window caulking
GROSS SAMPLE D	ESCRIPTION:_	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite			
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or W	ood Fibers:		
Others: latex material		x	100
Comments:			
Notes: * **	Technique used	Microscopy coupled wi I for identification of each component is	th dispersion straining is the visually estimated Microscopist

CLIENT: TTL, I	nc.		
ADDRESS: 3	516 Greensboro Av	renue, Tuscaloosa, A	labama 35401
DATE OF ANAL	YSIS: 04-08	-20	
SAMPLED BY:	GCP	_ SAMPLE DATE: _	04-09-20
SAMPLE I.D. N	0.:17	LAB NO.:	
SAMPLE LOCA	TION: Tuscaloosa	City Hall – back wind	low 3 rd floor 3rd glazing
GROSS SAMPL	LE DESCRIPTION:	granular materia	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile	Э		
Amosite			
Crocidoli	te		
Anthropy	llite		
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper	or Wood Fibers:	1	
Others: calcite m	naterial	X	100
Comments:			
Notes: *	Technique us	nt Microscopy coupled wed for identification ge of each component i	with dispersion straining is the s visually estimated
			Microscopist

CLIENT: TTL, Inc.				-
ADDRESS: 3516 C	Greensboro Ave	enue, Tuscaloosa, Ala	abama 35401	-
DATE OF ANALYSIS	:04-08-	20		_
SAMPLED BY: <u>GCP</u>		SAMPLE DATE:	04-09-20	
SAMPLE I.D. NO.:	18	_ LAB NO.:		
SAMPLE LOCATION	:_Tuscaloosa (City Hall – back 3 rd flo	oor caulking	_
GROSS SAMPLE DE	SCRIPTION:_	granular material		-
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**	
Asbestos: Chrysotile				
Amosite		-		
Crocidolite				
Anthropyllite				
Tremolite				
Glass Fibers:				
Mineral Wool:				
Cellulose/Paper or Wo	ood Fibers:			
Others: latex material		X	100	
Comments:		to the second se		
Notes: *	Technique use	Microscopy coupled wide for identification as of each component is	ith dispersion straining is the visually estimated	
			Saud I sum	-

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.			
ADDRESS: 3516 G	reensboro Aver	nue, Tuscaloosa, Ala	bama 35401
DATE OF ANALYSIS:	04-08-2	0	
SAMPLED BY: GCP		SAMPLE DATE:	04-09-20
SAMPLE I.D. NO.:	19	LAB NO.:	
SAMPLE LOCATION:	Tuscaloosa C	ty Hall – back 2 nd floo	or window glazing
GROSS SAMPLE DES	SCRIPTION:	granular material	
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite			
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or Woo	od Fibers:		
Others: calcite material		X	100
Comments:			
		Microscopy coupled with for identification	n dispersion straining is the
		of each component is v	risually estimated

Microscopist/

CLIENT: TTL, Inc.	Tuesdossa Ala	hama 35401
ADDRESS: 3516 Greensboro Av	renue, Tuscalousa, 7 lie	
DATE OF ANALYSIS: 04-08	3-20	20.00
SAMPLED BY: GCP	SAMPLE DATE:	04-09-20
20	LAB NO.:	
CAMPLE LOCATION: Tuscaloosa	a City Hall – back 2nd flo	oor window caulking
GROSS SAMPLE DESCRIPTION	: granular material	
GROSS SAMI LE DES		
	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
	FILLOCIA	
Asbestos: Chrysotile		
Amosite		
Crocidolite		
Anthropyllite		
Tremolite		
Glass Fibers:		
Mineral Wool:		
Cellulose/Paper or Wood Fibers	:	100
Others: latex material	X	
		in atraining is the
Notes: * Polarized Techniqu ** The percentage	I Light Microscopy couple ue used for identification entage of each compone	ed with dispersion straining is the
		Saughan

CLIENT: TTL, Inc.			
ADDRESS: 3516 Gr	eensboro Ave	enue, Tuscaloosa, Ala	bama 35401
DATE OF ANALYSIS:_	04-08-2	20	
SAMPLED BY: GCP		SAMPLE DATE:	04-09-20
SAMPLE I.D. NO.:	21	_ LAB NO.:	
SAMPLE LOCATION:	Tuscaloosa C	City Hall – back 1st floo	or window glazing
GROSS SAMPLE DES	SCRIPTION:_	granular material	
			DEPOSIT
		MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile			
Amosite			
Crocidolite			
Anthropyllite			
Tremolite			
Glass Fibers:			
Mineral Wool:			
Cellulose/Paper or Wo	od Fibers:		
Others: calcite material		X	100
Comments:			
Notes: *	Technique use	t Microscopy coupled ward for identification e of each component is	ith dispersion straining is the visually estimated
			Microscopist

CLIENT: TTL, Inc.		
ADDRESS: 3516 Greensboro Av	venue, Tuscaloosa, Al	labama 35401
DATE OF ANALYSIS: 04-08	3-20	
SAMPLED BY: GCP	SAMPLE DATE: _	04-09-20
SAMPLE I.D. NO.: 22	LAB NO.:	
SAMPLE LOCATION: Tuscaloosa	City Hall – back 1st flo	oor window caulking
GROSS SAMPLE DESCRIPTION:	granular material	
	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos: Chrysotile Amosite Crocidolite Anthropyllite Tremolite		
Glass Fibers:		
Mineral Wool:		
Cellulose/Paper or Wood Fibers:		
Others: latex material	X	100
Technique us		vith dispersion straining is the

OrderID: 022002041

Lead (Pb) Chain of Custody

EMSL Order	ID (Lab Use Only):	
	(241)	
		FAX:

-						rax.	
Company: GARRY PEARSON	INC		EMSL-Bi		Differe ructions in		
Street: 12918 Rolling Mea	lows Circle	Th	ird Party Billing red	quires writter	authoriza	atlon from third pa	arty
	Province: A/	Zip/Posta	al Code: 35	473	Co	untry:	
Report To (Name): (PARRY C. PE)	- Marie Control of the Control of th	Telephon	ne#: 205-	394-01	15		
Email Address: garycpearson		Fax#:		ME		rchase Order:	
Project Name/Number: Tusca lossa L			rovide Results:	FAX	Action of the contract	The same and the s	Mail
	-17y 110-01		les: Comme	rojal/Tavak			Evemnt
U.S. State Samples Taken:	urnaround Time (TA				no Lite	esiacinan ran	Lancinge
	Hour 48 Hour			96 Hour	П1	Week	2 Week
	ed in accordance with EMS		E Manufest				
Matrix	Method		Instrum		Repo	rting Limit	Check
Chips ☑% by wt. ☐ mg/cm² ☑ ppm	SW846-7000E	3	Flame Atomic A	bsorption	(0.01%	9
Air	NIOSH 7082	1	Flame Atomic A			μg/filter	
*	NIOSH 7105		Graphite Fun		-	3 µg/filter	
	NIOSH 7300 mod		ICP-AES/IC		STATE OF THE PERSON NAMED IN	μg/filter	
Wipe* ASTM non ASTM	SW846-7000I	В	Flame Atomic /			μg/wipe	
non ASTM *if no box is checked, non-ASTM	SW846-6010B	or C	ICP-AE	S	1.0	μg/wipe	
Wipe is assumed	SW846-7000B/7	010	Graphite Fun	nace AA	0.07	5 μg/wipe	
TCLP	SW846-1311/7000B/S		Flame Atomic /			ng/L (ppm)	
	SW846-1131/SW846-6	Automorphism (pro-	ICP-AE		- Control of the last of the l	ng/L (ppm)	_
Soil	SW846-70001		Flame Atomic /			g/kg (ppm)	-H $-$ I
	SW846-7010 SW846-6010B o	-	Graphite Fun			g/kg (ppm) g/kg (ppm)	-H-I
	SM3111B/SW846-		Flame Atomic A	MANAGEMENT CONTROL	AN INCOME TO SERVICE AND INCOME.	ng/L (ppm)	+
Wastewater Unpreserved	EPA 200.9	70000	Graphite Fun		The second division in the second	mg/L (ppm)	一十一
Preserved with HNO₃pH < 2 □	EPA 200.7		ICP-AES		0.020 mg/L (ppm)		
Drinking Water Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved with HNO₃pH < 2 □	EPA 200.8		ICP-MS		0.001 mg/L (ppm)		
TSP/SPM Filter 40 CFR Par		50			12	μg/filter	
	40 CFR Part 8	50	Graphite Fun	nace AA	3.6	β µg/filter	
Other:	1		1	1		\sim	
Name of Sampler: (ARRYC.)	EARSON	Signa	ature of Samp	ieri da	wy C	team	
Sample # Locat			Volume/A	rea	/	Date/Time S	Sampled
PC-1 Interior Wind	low 3- Floor OCA				′	400	
R-Z " "	" " OCA						
PC-3 " "	"City Attorne	1					
1.		1					
					and the second second		
Client Sample #'s PCIF- PC	23		To	tal # of S	amples	: [3	
Relinquished (Client):	Date:	et-	8-20	Time:		12:00N	
Received (Lab):	Date:		4/9/20	Time:		12:30)
Comments:							
					-		

Page 1 of ____ pages



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

http://www.EMSL.com greensborolab@emsl.com

EMSL Order: CustomerID: 022002041

nerID: ADVA77

CustomerPO:

ProjectID:

Attn: Garry Pearson
Garry Pearson Inc
12918 Rolling Meadows Circle
Northport, AL 35473

Phone:

(205) 394-0115

Fax:

04/09/20 12:30 PM

Received: Collected:

4/8/2020

Project: Tuscaloosa City Hall

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Lab ID:	Analyzed	Weight	Collected	Reporting Detection Limit	Lead Concentration	
022002041-0001	4/10/2020	.3205 g	4/8/2020	80 ppm	1600 ppm	
Client Sample P	C-1	Site: Interior Window 3rd Floor OCA				
022002041-0002	4/10/2020	.251 g	4/8/2020	80 ppm	940 ppm	
Client Sample P	C-2	Site: Interior Window 3rd Floor OCA				
022002041-0003	4/10/2020	.3369 g	4/8/2020	80 ppm	740 ppm	
Client Sample P	C-3	Site: Interior Window 3rd Floor City Attorney				

Guidelines for Federal USEPA/HUD Lead in Paint Chips

=5000 ppm or =1.0 mg/cm² is the EPA definition of a lead-based paint.



Below Method Reporting Limit (RL)



Above RL but below EPA definition of a leadbased paint



Above EPA definition of a lead-based paint

These guidance limits are typically used in most scenarios. More stringent local or project specific guidelines may apply.

Please contact the laboratory for statement of uncertainty data for the utility of properly evaluating these results against any regulatory standards or guidelines. No responsibility or liability is assumed for the manner in which the results are used or interpreted.

James Cole, Laboratory Manager or other approved signatory

James Cole

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can after the validity of the results, it will be noted on the reoprt. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC EMSL Lab ID 102564 is accredited by the AlHA Laboratory Accreditation Program (AlHA-LAP), LLC in the Environmental Lead accreditation program for Lead in Paint Chips.

Initial report from 04/13/2020 08:35:01



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Phone: (205) 394-0115

Fax:

Received: 04/09/20 12:30 PM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

022002041

ADVA77

Collected: 4/8/2020

Project: Tuscaloosa City Hall

Attn: Garry Pearson

Garry Pearson Inc

Northport, AL 35473

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID Collected	Analyzed	Weight	Lead Concentration
PC-1	022002041-0001 4/8/2020	4/10/2020	.3205 g	0.16 % wt
	Site: Interior Window 3rd FI	oor OCA		
PC-2	022002041-0002 4/8/2020	4/10/2020	.251 g	0.094 % wt
	Site: Interior Window 3rd Fl	oor OCA		
PC-3	022002041-0003 4/8/2020	4/10/2020	.3369 g	0.074 % wt
	Site: Interior Window 3rd Floor City Attorney			

James Cole, Laboratory Manager or other approved signatory

James Cole

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