

Soil and Land Use Technology, Inc.

1818 New York Ave. NE, Ste 231, Washington, DC 20002

Telephone: (301) 595-3783 www.salutinc.com

July 3, 2019

Department of General Services Office of Safety and Health, Facilities Division 2000 14th Street NW, 5th Floor Washington, DC 20009

Subject: Poured-in-Place Playground Surface Testing Summary Report

Takoma Educational Campus 7010 Piney Branch Road NW Washington, DC 20012

On June 21, 2019, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist (IH) conducted lead testing on the poured-in-place (PIP) playground surface at Takoma Educational Campus, a property maintained by the Department of General Services (DGS), located at 7010 Piney Branch Road NW, Washington, DC 20012.

Site Description

Takoma Education Center has a total of three playgrounds (PG). We numbered the PGs A, B, and C. All PGs totaled about 9255 ft² of PIP recycled rubber surfaces. PG A was the northeastern PG with about 3900 ft² of PIP surfaces. PG B is north of PG A, roughly runs north to south and was about 3280 ft² in size. PG C is the northernmost with approximately 2075 ft² PIP surfaces.

PG A seemed to be the oldest with multiple patches and several large holes, tears, splits, separations etc. PGs B and C seemed to be newer and in better shape. The weather at the time of the testing was hot (>90° F) and sunny with high winds of up to 30 mph.

Methodology

The methodology for the onsite and laboratory testing is detailed in the *Poured-in-Place Playground Surfacing Testing Protocol*, dated June 27, 2019. In general, the following was conducted:

- Site reconnaissance
- Sampling layout and photograph documentation
- Lead screening with X-Ray Fluorescence (XRF)
- Collection of dust wipe samples
- Collection of bulk samples
- Field notes and sample documentation
- Laboratory analysis of bulk samples using Flame Atomic Absorption (Flame AA) on rinsate (wash) and cleaned bulk rubber material
- XRF of the collected dust-wipes



- Quality Control (QC) and Quality Assurance (QA)
- Data entry, initial analysis, and reporting

The results of the testing are tabulated below.

Results

Table 1: Results of the Bulk Sampling and Rinsate Analysis, June 21, 2019

Sample No. ID	Sample Type / Material	Wash (ppm)	Rubber (ppm)
190621-MBA-324-B-1	Bulk / Rubber	<3000	50
190621-MBA-324-B-2	Bulk / Rubber	<5600	85
190621-MBA-324-B-3	Bulk / Rubber	<4500	150
190621-MBA-324-B-4	Bulk / Rubber	<17000	120
190621-MBA-324-B-5	Bulk / Rubber	<25000	<19
190621-MBA-324-B-6	Bulk / Rubber	120	<19
190621-MBA-324-B-7	Bulk / Rubber	240	<17
190621-MBA-324-B-8	Bulk / Rubber	110	<19
190621-MBA-324-B-9	Bulk / Rubber	170	85
190621-MBA-324-B-10	Bulk / Rubber	180	210
190621-MBA-324-B-11	Bulk / Rubber	170	<19
190621-MBA-324-B-12	Bulk / Rubber	190	22

Analyzed using EPA 7000B Flame Atomic Absorption

Note: mg/kg is equal to ppm

Table 2: Results of the XRF Screening, June 21, 2019

TIME	DURATION (secs)	SAMPLE #	LOCATION	Pb (ppm)	ERROR (+/-)
14:25	62.18	061921-tb-324-x-1	PG-A brown	36.81	8.41
14:32	42.83	061921-tb-324-x-2	PG-A brown	124.21	13.83
14:44	60.66	061921-tb-324-x-3	PG-A brown	257.04	15.79
14:51	60.43	061921-tb-324-x-4	PG-A yellow	17.53	7.25
14:58	61.48	061921-tb-324-x-5	PG-A black	32.33	6.22
15:06	31.95	061921-tb-324-x-6	PG-B red	127.77	16.99
15:33	52.17	190621-ahj-324-x-7	PG- B black	21.4	5.14
15:42	60.6	190621-ahj-324-x-8	PG- B red	31.37	7.95
15:54	67.36	190621-ahj-324-x-9	PG-C brown	309.95	17.81
16:08	76.55	190621-ahj-324-x-10	PG-C brown	159.38	13.08
16:19	69.15	190621-mba-324-x-11	PG-C black white	53.68	8.04
16:30	92.15	190621-mba-324-x-12	PG-C black white	98.79	10.41

ppm-parts per million

PG = Playground



Table 3: Results of the Wipe Sampling XRF Analysis, Sampled June 21, 201
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ANALYSIS TIME	ТҮРЕ	DURATION*1 (secs)	SEQUENCE	SAMPLE #	PB (ug/ft²)	ERROR (+/-)
15:18	Cal	80.63	Final	Calibration	0.46	0.00
16:01	Wipe	400	Final	190621-thb-324-w-1	< LOD	5.70
16:18	Wipe	400	Final	190621-thb-324-w-2	< LOD	5.53
16:38	Wipe	400	Final	190621-thb-324-w-3	< LOD	5.86
16:54	Wipe	400	Final	190621-thb-324-w-4	< LOD	5.42
17:07	Wipe	400	Final	190621-thb-324-w-5	< LOD	5.80
17:35	Wipe	400	Final	190621-thb-324-w-6	< LOD	5.60
17:48	Wipe	400	Final	190621-thb-324-w-7	< LOD	5.85
18:03	Wipe	400	Final	190621-thb-324-w-9	< LOD	5.25
18:23	Wipe	400	Final	190621-thb-324-w-8	< LOD	5.53
18:38	Wipe	400	Final	190621-thb-324-w-10	< LOD	5.52
18:53	Wipe	400	Final	190621-mba-324-w-11	< LOD	5.14
19:12	Wipe	400	Final	190621-mba-324-w-12	< LOD	5.09
15:18	Cal	80.63	Final	Calibration	0.46	0.00

LOD = Limit of detection

Table 4: Results of Quality Assurance/Quality Control Wipe Sampling XRF Analysis vs. Laboratory EPA 7000B

SAMPLE #	ANALYSIS METHOD	PB (ug/ft²)	ERROR (+/-)
190621-thb-324-w-3	XRF	< LOD	5.86
190621-thb-324-w-3-D	EPA 7000B	< 10	NA
190621-thb-324-w-5	XRF	< LOD	5.80
190621-thb-324-w-5-D	EPA 7000B	< 10	NA
190621-thb-324-w-10	XRF	< LOD	5.52
190621-thb-324-w-10-D	EPA 7000B	< 10	NA
190621-thb-324-w-12	XRF	< LOD	5.09
190621-thb-324-w-12-D	EPA 7000B	< 10	NA

EPA 7000B uses Flame Atomic Absorption (FLAA) done at AMA Analytical Laboratories.

LOD = Limit of Detection

Findings and Conclusions

The bulk rubber sampling results indicated low levels of lead within the rubber surfacing material ranging from below detectable limits to 210 ppm. Additionally, lead in the rinsate (wash) samples indicated levels of lead from 110 to 240 ppm. Results of the XRF indicated screening levels of 17.5 to 310 ppm. Surface wipe samples were below detectable limits using XRF wipe sample analysis methods which was confirmed by duplicate sample analysis at AMA Analytical Laboratory using EPA 7000B methods.

^{*1 –} Duration is represented here as the total analysis time of 4 – 100 second analysis periods corrected by source energy (i.e. 100 second source duration was equal to 150 seconds actual time).



The surface wipe sample represents surface dust that may be collected by children's hands, clothes, etc. The rinsate (wash) samples represent what lead may be readily absorbed if a child puts the bulk into their mouths and/or what may be deposited on their hands if they are handled. Both the surface wipe and the rinsate (wash) sample lead levels can be attributed to external sources, not the playground surfacing materials. The bulk samples indicate what lead is contained within the recycled rubber itself and which may be available if these rubber pieces were digestible.

Both the lead in bulk rinsate (wash water) and on the surfaces of the PIP playgrounds are in a matrix that potentially can be easily removed through regular maintenance and cleaning.

In conclusion, based on the current results of this investigation, the highest lead exposure risk is present in the dust more than the rubber itself.

Based on the findings and conclusions of this report, SaLUT provides the following initial recommendations:

- 1. Perform a lead hazard risk assessment combining and comparing all schools (scheduled for completion after the conclusion of testing).
- 2. In the interim, perform debris removal at and around the playground surfacing (scheduled for completion prior to school year 19/20 commencement).

Sincerely,

Senior Certified Industrial Hygienist

Mark B. Copplegal

Soil and Land Use Technology Inc. (SaLUT)

Attachments

Attachment A - Laboratory Analytical Results and Chain-of-Custody Forms

Attachment B – Playground and Sample Location Maps

Attachment A

Laboratory Analytical Results and Chain-of-Custody Forms



Client: SaLUT, Inc.

Address: 1818 New York Avenue, NE

Suite 231

Washington, DC 20002

Attention: Mark Applegate

CERTIFICATE OF ANALYSIS

Job Name: Takoma (324) - Bulk Rubber

Job Location: 7010 Piney Branch Road, NW, DC

20012

Job Number: 19-074

P.O. Number: Not Provided

Date Submitted: 06/24/2019

Date Analyzed: 06/29/2019

Report Date: 06/29/2019

Date Sampled: 06/21/2019

Person Submitting: Mark Applegate

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Reporting Limit	Final Result	Comments
307931-1	190621-MBA-324-B-1	Flame AA	Soil/Solid	19 mg/Kg	50 mg/Kg	
307931-2	190621-MBA-324-B-2	Flame AA	Soil/Solid	18 mg/Kg	85 mg/Kg	
307931-3	190621-MBA-324-B-3	Flame AA	Soil/Solid	19 mg/Kg	150 mg/Kg	
307931-4	190621-MBA-324-B-4	Flame AA	Soil/Solid	19 mg/Kg	120 mg/Kg	
307931-5	190621-MBA-324-B-5	Flame AA	Soil/Solid	19 mg/Kg	<19 mg/Kg	
307931-6	190621-MBA-324-B-6	Flame AA	Soil/Solid	19 mg/Kg	<19 mg/Kg	
307931-7	190621-MBA-324-B-7	Flame AA	Soil/Solid	17 mg/Kg	<17 mg/Kg	
307931-8	190621-MBA-324-B-8	Flame AA	Soil/Solid	19 mg/Kg	<19 mg/Kg	
307931-9	190621-MBA-324-B-9	Flame AA	Soil/Solid	18 mg/Kg	85 mg/Kg	
307931-10	190621-MBA-324-B-10	Flame AA	Soil/Solid	18 mg/Kg	210 mg/Kg	
307931-11	190621-MBA-324-B-11	Flame AA	Soil/Solid	19 mg/Kg	<19 mg/Kg	
307931-12	190621-MBA-324-B-12	Flame AA	Soil/Solid	19 mg/Kg	22 mg/Kg	

Analysis Method for Flame: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7000B; Water: SM-3111B Analysis Method For Furnace: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7010; Water: SM-3113B N/A = Not Applicable mg/Kg = parts per million (ppm) on a dry weight basis mg/L = parts per million (ppm) %Pb = percent lead on a dry weight basis ug = micrograms ug/L = parts per billion (ppb)

Note: All samples were received in good condition unless otherwise noted.

Note: All results have two significant digits. Any additional digits shown should not be considered when interpreting the result.

Analyst(s): Jean-Paul Littleton

See QC Summary for analytical results of quality control samples associated with these samples.

Air and Wipe results are not corrected for any blank results. Final results for air and wipe samples are based on client supplied information not verified by this laboratory.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.



Client: SaLUT, Inc.

Address: 1818 New York Avenue, NE

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Washington, DC 20002

Attention: Mark Applegate

CERTIFICATE OF ANALYSIS

Job Name: Takoma (324) - Bulk Rubber

Job Location: 7010 Piney Branch Road, NW, DC

20012

Job Number: 19-074

P.O. Number: Not Provided

Date Submitted:

06/24/2019

Date Analyzed: 06/29/2019

Report Date: 06/29/2019

Date Sampled: 06/21/2019

Person Submitting: Mark Applegate

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Reporting Limit	Final Result	Comments

Technical Director

George Smd

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QC Summary for SDG #60706

Overview					Samples Included				
Analysis Type: Flame AA Sample Type: Soil/Solid Analysis Date: 06/29/2019					307931-1 307931-10 3079 307931-6 307931-7 30793			7931-2 307931-3 307931-4 307931-5	
Preparation Blank ✓ Report Limit Vertification Sample ✓ Duplication				es	✓	Mat	ix Spike	Analysis	
Result: -0.028 ppm	Result: -0.028 ppm Percent Recovery: 92.9% RPD: N			A		Spik		ole Percent Recovery: 107.2% ate Percent Recovery: 103.0%	
Matrix Blank	•	Laboratory Control Sample #1	•		Laboratory Control Sample	e #2 🗸	•	Reference Sample	
Result: 0.086 ppm	Result: 0.086 ppm Percent Recovery: 114.5%				Percent Recovery: 111.08	%		Percent Recovery: N/A	
Calibration Curve Serial Dilution / Bench Spike					Notes				
Correlation: 0.999646 Serial Dilution RPD: N/A Bench Spike Percent Recovery: N/A				Both Duplicate results are samples not applicable.	below the re	oorting lir	mit, making RPD limits for these QC		

AMA Analytical Services, Inc.Focused on Results www.amalab.com

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(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 307931-Soil

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SAMPLE INFORMAT CLIENT ID # SAMPLE LOCATI	ONLID	ATE/ VOL (L)/ TME Wipe Area	ANIATX	CIC	LEAD MOLD		MATRIX ATRIA	WATER AND THER SPORE TRAP	LAPE /	SWAB	COMMENTS / SPECIAL INSTRUCTIONS
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1818 New York Ave. NE, Ste 231, Washington, DC 20002

Soil and Land Use Technology, Inc.

Job #: 19-074
Page 1 of 2

Telephone: (301) 595-3783 www.salutinc.com

Location address:	Takoma	(324)	# ·	7010 Pi	ney Branch	Rd, NW DC 70012
Sampler: Mark		4				Sampling date: 6/21/19
General sampling notes	: D	ulk	le	oose r	ubber bits	
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Sample #	Location/area	Material	Type	Area (ft²)	Analysis method	Notes:
7	A					Middle Area in between scats and
190621-MBA-32	4-B-1					side / hole
2	A				,	TEP of moditors debus
190621-MBA-324-B	-2					
3	A					LOSE DEBRIS - LOWER PULL UP BAR
190621-MBA- 324-13	3-3					
¥	A					LOSE DEBRIS - BOTTOM OF ROCK CLIMB
190621-MBA-324-B	3-4					
8	\forall					LOSE DEBRIS - BOTTOM OF YELLOW TWIST STEPS
190621-MBA-324-1	3-5					
6	B					BY 127 CLASSEM - WATER SPIGOT/Substra
190671-MBA-324-8	3-6					
7	B					BY BLACK BOX
190621-MBA-324	-B-7					
Notes:			_			
Sampler signature:	Mach Con	regur	$\overline{\mathbf{v}}$			Date: 6->1-19
Received by*:	2 ly	/	Lab:	AMA A	nglytical	Date: 6/24/2019
*Receiver acknowledges that obvious tampering of custoo		received in go	ood order,	properly cont	ainerized and preser	ved and that every sample was without damage and/or



1818 New York Ave. NE, Ste 231, Washington, DC 20002

Soil and Land Use Technology, Inc.

Job #: <u>19-074</u> Page <u>Z</u> of <u>Z</u>

Telephone: (301) 595-3783 www.salutinc.com

	111		LOME	ing w	oumpring D.	
Location address:	TAKO	MA (32	14) 7	OID Pino	Branch Rd.	New DC 70012
Sampler: Mark		-	'			Sampling date: 6/21/19
General sampling notes		LK	loose	rubbe	a bits	
	i e					
Sample #	Location/area	Material	Type	Area (ft²)	Analysis method	Notes:
Ø	В					UNDER SOUTH OF JUNGLE GYM
190621-111B4-324-1	3-8					1 000
9	C		-			Bottom of Despry gran stide
140671-MBA-324-B	9					
48	C					middle of the fire swing
190671-MBA-324-B	-10					3
X	C					Outside Section of the bridge
190621 -MBA-324-B	-11					
12	<u> </u>					isobelow the lateterder-totte
190671-11184-324	-B-12					
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Notes:						
Sampler signature:	Much 6	milles	at			Date: 6-24/19
Received by*:	6/	7		Ama	A 11.1	Date: 6/24/19
	at all samples were	received in go	ood order,	properly cont	tainerized and preser	ved and that every sample was without damage and/or
obvious tampering of custoo				TO 1000 1000	144	



Client: SaLUT, Inc.

Address: 1818 New York Avenue, NE

Suite 231

Washington, DC 20002

Attention: Mark Applegate

CERTIFICATE OF ANALYSIS

Job Name: Takoma (324) - Rinsed Dust

Job Location: 7010 Piney Branch Road, NW, DC

20012

Job Number: 19-074

P.O. Number: Not Provided

Date Submitted: 06/24/2019

Date Analyzed: 06/28/2019

Report Date: 06/28/2019

Date Sampled: 06/21/2019

Person Submitting: Mark Applegate

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Reporting Limit	Final Result	Comments
615550-1	190621-MBA-324-B-1	Flame AA	Soil/Solid	3000 mg/Kg	<3000 mg/Kg	Rinsed Dust Samples
615550-2	190621-MBA-324-B-2	Flame AA	Soil/Solid	5600 mg/Kg	<5600 mg/Kg	
615550-3	190621-MBA-324-B-3	Flame AA	Soil/Solid	4500 mg/Kg	<4500 mg/Kg	
615550-4	190621-MBA-324-B-4	Flame AA	Soil/Solid	17000 mg/Kg	<17000 mg/Kg	
615550-5	190621-MBA-324-B-5	Flame AA	Soil/Solid	25000 mg/Kg	<25000 mg/Kg	
615550-6	190621-MBA-324-B-6	Flame AA	Soil/Solid	96 mg/Kg	120 mg/Kg	
615550-7	190621-MBA-324-B-7	Flame AA	Soil/Solid	130 mg/Kg	240 mg/Kg	
615550-8	190621-MBA-324-B-8	Flame AA	Soil/Solid	65 mg/Kg	110 mg/Kg	
615550-9	190621-MBA-324-B-9	Flame AA	Soil/Solid	89 mg/Kg	170 mg/Kg	
615550-10	190621-MBA-324-B-10	Flame AA	Soil/Solid	52 mg/Kg	180 mg/Kg	
615550-11	190621-MBA-324-B-11	Flame AA	Soil/Solid	52 mg/Kg	170 mg/Kg	
615550-12	190621-MBA-324-B-12	Flame AA	Soil/Solid	49 mg/Kg	190 mg/Kg	

Analysis Method for Flame: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7000B; Water: SM-3111B Analysis Method For Furnace: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7010; Water: SM-3113B N/A = Not Applicable mg/Kg = parts per million (ppm) on a dry weight basis mg/L = parts per million (ppm) %Pb = percent lead on a dry weight basis ug = micrograms ug/L = parts per billion (ppb)

Note: All samples were received in good condition unless otherwise noted.

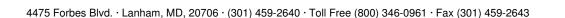
Note: All results have two significant digits. Any additional digits shown should not be considered when interpreting the

See QC Summary for analytical results of quality control samples associated with these samples.

Air and Wipe results are not corrected for any blank results. Final results for air and wipe samples are based on client supplied information not verified by this laboratory.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Suphin Chinnapad





1/2



Client: SaLUT, Inc.

Address: 1818 New York Avenue, NE

Suite 231

Washington, DC 20002

Attention: Mark Applegate

CERTIFICATE OF ANALYSIS

Job Name: Takoma (324) - Rinsed Dust

Job Location: 7010 Piney Branch Road, NW, DC

20012

Job Number: 19-074

P.O. Number: Not Provided

Date Submitted: 06/24/2019

Date Analyzed: 06/28/2019

Report Date: 06/28/2019

Date Sampled: 06/21/2019

Person Submitting: Mark Applegate

Summary of Atomic Absorption Analysis for Lead

Final Result AMA Sample Number Client Sample Number **Analysis Type** Sample Type Reporting Limit Comments

Technical Director G. Edward Carney

NE Edward Ly

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AIHA-LAP, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



QC Summary for SDG #60699

Overview					Samples Included							
Analysis Type: Flame AA Sample Type: Soil/Solid Analysis Date: 06/28/2019			615550-1 615550-10 615550-11 615550-12 615550-2 615550-3 615550-4 615550-5 615550-6 615550-7 615550-8 615550-9									
Preparation Blank 🗸	Duplicat		✓	Analysis								
Result: 0.078 ppm Percent Recovery: 119.3% RPD: 13					% Spiked Sample Percent Recovery: 103.1% Spike Duplicate Percent Recovery: 101.5% RPD: 1.6%							
Matrix Blank	Laboratory Control Sample #	1 🗸		Laboratory Control Samp	le #2		Reference Sample					
Result: 0.030 ppm		Percent Recovery: 92.4%			Percent Recovery: 92.43	%		Percent Recovery: N/A				
Calibration Curve Serial Dilution / Bench Spike					Notes							
Correlation: 0.999563	Serial Dilution RPD: N/A Bench Spike Percent Recovery: N/A											

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AIHA-LAP (#100470) NVLAP (#101143-0) NY ELAP (10920) 4475 Forbes Blvd. • Lanham, MD 20706

(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 307931-Soil

COISSSO-TCLP

Mailing/Billing Infor	mation: Salut			Sul	omittal	Infor	matic	on:	-	01	1.		-				Ct.	
1. Client Name:	<u>ulut</u>			1.	omittal Job Na	me: _	191	COVY	Na I	54	4)	101	0				. 5 . 4	-11 4
2. Address 1:				2.	Job Lo	cation	:70	10	Pi	MAY	BV	anc	h	200	icl,	NV	v de zoo	012
3. Address 2:				3.	Job #:_	10	1.0	14	•						_ P.C).#:_		
				4.	Contac	t Pers	on: _	Ma	YK	PP	plec	3018			_ Ce	ll:		
5. Phone #:	Fax	c #:		5.	1. Job Name: Cator Color Piney Branch Road, NW DC 20012 2. Job Location: 7010 Piney Branch Road, NW DC 20012 3. Job #: 19-074 P.O. #: 4. Contact Person: Mark Applegate Cell: 5. Collected by: Cell:													
Reporting l	Info (Results provided as soon	n as technicall	y feasible). If	no TAT/Rep	orting	Info i	is pro	vided.	, AM	A will	assign	n defa	ults o	f 5-Da	ay and	d ema	nil/fax to contacts	on file.
AFTER HOURS (must be pre-scheduled) NORMAL B					BUSINESS HOURS REPORT TO:													
☐ 4 Hours ☐ Late Night ☐ Same Day ☐ 3 Day				Results Required By Noon							□ Email:							
Immediate Date Due: 5 Day +				☐ Email 2:														
☐ 24 Hours Time Due: Date Due: Date Due:				ue	☐ Verbals:													
PLM Bulk PPA 600 - Visual Estimate (QTY) Pos Stop PPA Point Count (QTY) NY State Friable 198.1 (QTY) Grav. Reduction ELAP 198.6 (QTY) Other (specify) (QTY) Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan) PLM Bulk TEM Water Quan. (s/area)Dust D6480- TEM Water Qual. (pres/abs) PLAP 198.2/EPA 100.2 PLAP 190.1 PLAP 190.1 All samples received in good (TEM Water samples)						*Pb Dust Wipe (wipe type) (QTY)							QTY) As(QTY) As(QTY) TY)					
CLIENT ID #	SAMPLE INFORMATION SAMPLE LOCATION/ ID		ATE/ TME	VOL (L)/ Wipe Area / B / B / B					MOLD AIR			MATRIX OUS AND ENGINEER ENGINEER AND ENGINE			TAPE	SWAB	SPECIAL INS	STRUCTIONS
12															13			
																- 5		
														27/11				
							R-6)											
					By Andrew													
										1								
										1								
								1					-					
Dalla mich 11	Print Name			Signature				9	Dat	e	-		Time		1		Shipping Info	ormation
Relinquished by: Received by:			ID-					(0/25/19								□ UPS □ In-Person □ Other □ FedEx □ Drop Box □ □ USPS □ Courrier		



Soil and Land Use Technology, Inc.

Job #: 19-074
Page 1 of 2

Telephone: (301) 595-3783 www.salutinc.com

Location address:	Takoma	(324)	10 ·	7010 Pi	ney Branch	Rd, NW DC 70012
Sampler: Music					,	Sampling date: 6/21/19
General sampling notes		ulk	le	oose r	ubber bits	
Sample #	Location/area	Material	Type	Area (ft²)	Analysis method	Notes:
7	A					Middle Area in between scots and
190621 -MBA -32	4-B-1					sude / note
2	A				,	Tip of moditors debres
190621-MBA-324-B	-2					
Z	A					LOSE DEBRIS - LOWER PULL UP BAR
190621-MBA- 324-1	3-3					
4	A				-	LOSE DEBRIS - BUTTOM OF ROCK CLIMB
190621-MBA-324-1	3-4					
8	A					LOSE DEBRIS - BOTTOM OF YELLOW TWIST STEPS
190671-MBA-324-	B-5					
6	B					BY 127 CLASSEM - WATER SPIGOT/Substra
190671-MBA-324-	B-L					-
T	В					64 BLACK BOX
140621-MBA-324	-8-7					
Notes:			552			
Sampler signature:	Mark Gr	stegur	7			Date: 6-21-19
Received by*:	at all samples were	/	_ Lab:	AMA A		Date: 6/24/2019 ved and that every sample was without damage and/or



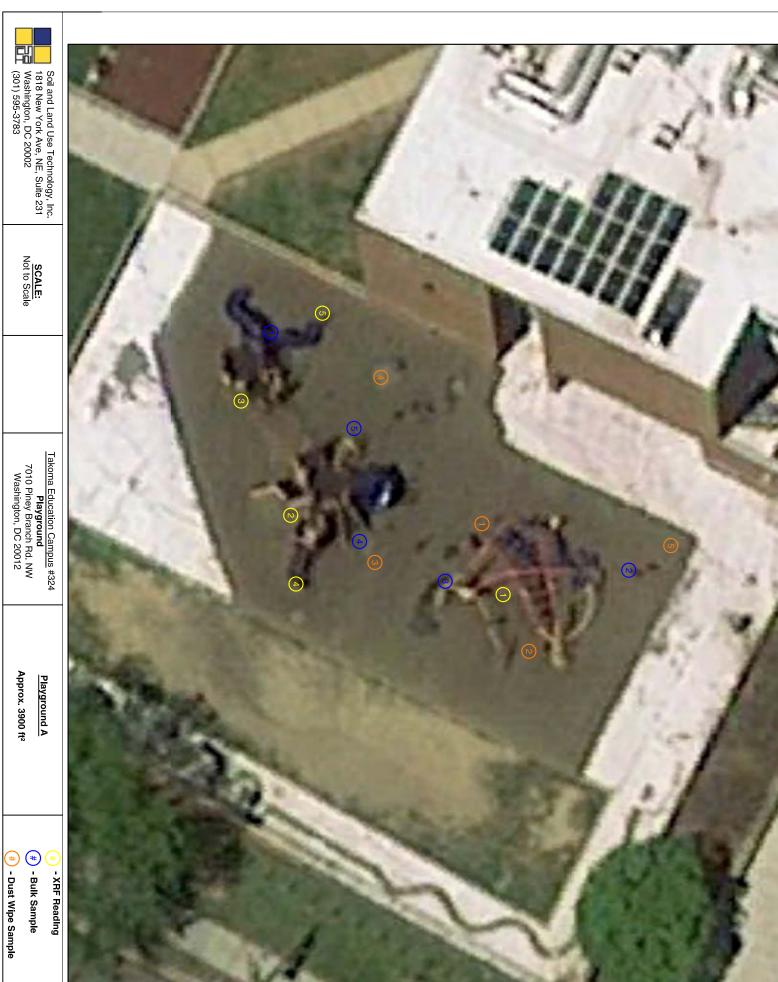
Soil and Land Use Technology, Inc.

Job #: <u>19-074</u> Page <u>Z</u> of <u>Z</u>

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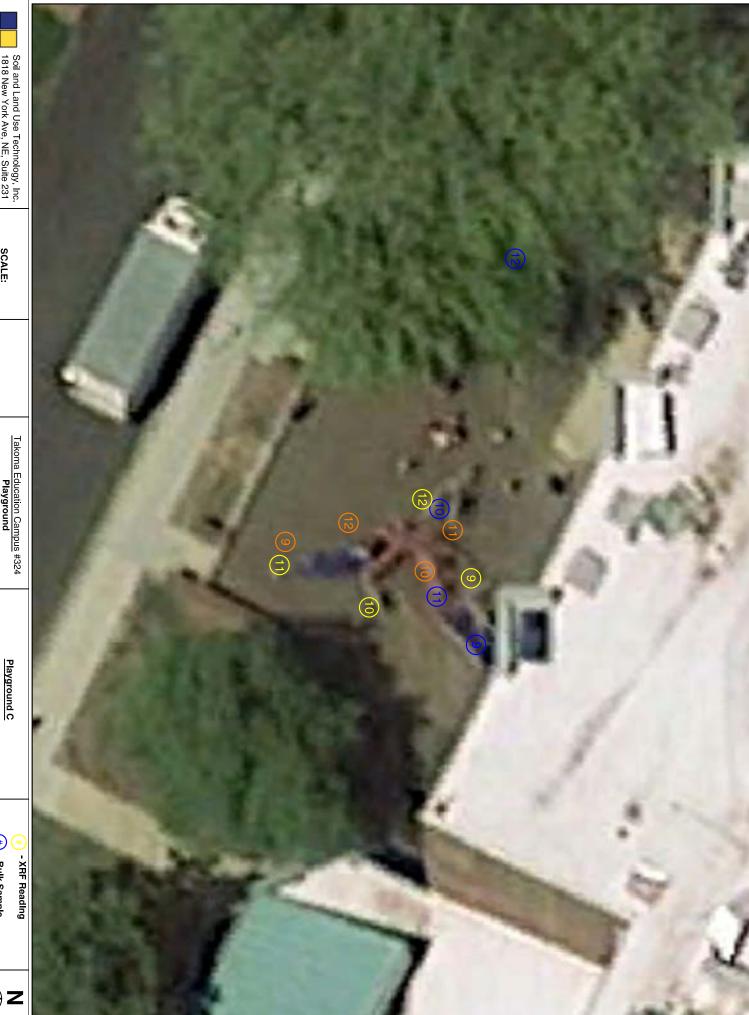
	111	JII-AII I	dunio	ing &	Samping Da	atasnect
Location address:	TAKO	MA (32	14) 7	OID Pino	Branch Rd.	New DC 70012
Sampler: Mark						Sampling date: 6/21/19
General sampling notes	11 100	LK	loose	rubbe	a bits	
Sample #	Location/area	Material	Type	Area (ft²)	Analysis method	Notes:
Ø	В					UNBER SOUTH OF JUNGLE GYM
190621-111 BA-324-1	3-8					and comment
9	C				g	Botton of Dungle gran stide
140671-MBA-324-B	9					
48	C					middle of the fire swing
190671-MBA-334-B	-10					3
AT	C					Outside Section of the bridge
190621 - MBA-324-B	-11					
12	\sim					sorbelow the latesteeder-totte
190671-1184-324	-B-12					
	- 4				19	
Notes:						
Sampler signature:	Much 6	milles	at			Date: 6-24/19
Received by*:	5/	17		Ams	A 1.1. 1	Date: 6/24/19
	at all samples were	received in go			amerized and preser	ved and that every sample was without damage and/or
obvious tampering of custoo	dy seals.					

Attachment B Playground and Sample Location Maps









Soil and Land Use Technology, Inc. 1818 New York Ave, NE, Suite 231 Washington, DC 20002 (301) 595-3783

SCALE: Not to Scale

Takoma Education Campus #324

Playground

7010 Piney Branch Rd. NW

Washington, DC 20012

Approx. 2075 ft²

#) - Dust Wipe Sample

- Bulk Sample