LIMITED LEAD-BASED PAINT (LBP) EVALUATION

1520-1521 State St. 701-719 Henry 1514-1520 White Ann Arbor, MI 48103

> Report #4585-3 January 27, 2003

Client: Ann Arbor Housing Commission

727 Miller Rd.

Ann Arbor, MI 48103

Prepared by: Protech Environmental Services, Inc.

251 Jackson Plaza

Ann Arbor, Michigan 48103

(734) 761-3595

LEAD-BASED PAINT (LBP) EVALUATION SUMMARY

Property	Ann Arbor Housing Commission 1520-1521 State, 701-719 Henry, 1514-1520 White Ann Arbor, MI
Protech Reference #	4585-3
Test Date	January 7, 2003 and January 13, 2003
XRF Instrument	EDAX MAP-4 Spectrum Analyzer #1371 and #1272
Protocol	Guidelines for the Evaluation and Control of Lead-Based Paint [LBP] in Housing (HUD 1539-LBP, 1995, revised November 1997)
Definition of LBP	1.0 mg/cm ² total lead
Test Program	A sample of 14 common stairways, laundry rooms and the building exterior
Findings (See Text for Discussion)	LBP was identified on exterior lintels only.

Federal regulations require that a copy of this page be provided to new tenants before they become obligated under a lease. The entire report must be provided to them upon request, and also to purchasers before they become obligated under a sales contract. If the property receives Federal assistance, regulations may also require that tenants be notified of the results of this evaluation within 15 days of receipt of the report.

This evaluation was conducted in readily accessible areas, subject to the limitations on scope and measurement protocols described in the body of this report. Although an effort was made to evaluate both representative and "worst case" components and conditions, no representation is made that all defects, deficiencies, hazards or potential hazards have been identified. Protech does not guarantee, warrant or insure the adequacy of the property or of any buildings or parts thereof, and no representation is made regarding the property's compliance to any ordinances, regulations, or laws relating to any environmental hazards.

Brian M. Chambers Michigan Lead Risk Assessor #P-1743

Introduction

Protech Environmental Services was retained to determine the presence of lead-based paint (LBP) in all common areas (stairways, laundry rooms and building exteriors) of White/ State/ Henry in accordance with the protocols found in HUD Guidelines¹.

Property Description

The White/ State/ Henry property is comprised of three buildings containing twenty-eight apartments; there are four apartments per address. The three buildings are assimilated into one structure which was constructed circa 1940. Exterior is brick and has wrapped fascias and soffits. Windows are anodized aluminum sliders.

Statement of Work

Tests are conducted using an x-ray fluorescence (XRF) monitor in the following areas:

- 14 Common stairways
- 14 Common laundry rooms
- Building exteriors

Tests are conducted on samples of all accessible painted surfaces within these areas.

By regulatory definition, lead-based paint (LBP) means lead content of at least 1.0 milligram per square centimeter (mg/cm2) of surface. Per recommendations of the XRF manufacturer and HUD Guidelines, whenever the initial screening measurement² produces a measurement close to the 1.0 mg/cm² standard, the test is classified as "Inconclusive." In such cases, additional measurements are conducted, and the specified Inconclusive range is adjusted mathematically to account for the improved precision of the set of repeated tests³. If the overall time-weighted average of any test sequence is still Inconclusive, but at least 1.0 mg/cm², a paint sample may be collected for further analysis via Atomic Absorption Spectrometry (AAS) at an independent laboratory, with the lab result superseding field measurements.

Test Program & Findings

At client request, a limited scope XRF evaluation was conducted at the above address in order to evaluate surfaces for the presence of LBP. All interior common areas were tested in accordance with the HUD guidelines.

Field measurements are presented in Tables 1 and 2. Table 1 presents different summaries of the XRF tests, broken down by address, by room type, component type, substrate, and paint condition. For each breakdown, maximum and average lead readings are shown, along with counts and percentages of measurements classified as Negative (no LBP), Positive (LBP) and Inconclusive (no definitive conclusion possible even after repeated XRF tests).

Table 2 provides a complete listing of all tests, including calibration checks, sorted by outcome (Positive results first, then Inconclusive, then Negative). Within each group, tests are shown in chronological order. For calibration checks, the date, time, and reference ("target") value are shown in place of location.

¹Guidelines for the Evaluation and Control of Lead-Based Paint in Housing (HUD 1539-LBP, 1995, revised November 1997).

²The MAP4 monitor employed in this survey was used in the "Unlimited" mode, in which data continue to be collected (with ever greater precision) until the operator terminates the measurement. An indicator light on the monitor assists the operator by a running display that shows whether the data indicate a Positive, Negative or Inconclusive result if terminated at that point.

³ At the inspector's discretion, multiple tests may also be conducted at different locations on the same surface and reported separately.

In order to be designated "Lead-Based Paint Free Housing" the property in question must be free of any XRF reading, or "Inconclusive" readings that are above the threshold value of 1.0 mg/cm² with the exception of unregulated items. During the inspection, XRF measurements above the threshold values were obtained on Exterior lintels. Measurements indicating the presence of LBP on similar components are often due to the nature of the steel substrate which underlies the paint in question. To confirm whether or not the paint in question is LBP a paint sample was collected and sent to an accredited laboratory 4 to be analyzed for lead content by Atomic Absorption Spectrometry (AAS). Results from the AAS lab analysis supercede results from any field measurement.

Table 1 summarizes the XRF and paint sample results. Laboratory report and chain of custody form are included in Attachment A.

Building #	Location	Component	XRF (mg/cm ²)	Paint Sample (mg/cm ²)	LBP?
White	Side 2 Exterior	Lintel	2.6	2.7	Yes
Henry	Side 1 Exterior	Lintel	2.9	2.2	Yes

Table 1. Paint Sampling

AAS analysis indicated that the paint on all Exterior lintels is LBP.

Conclusions

LBP was identified on the following components:

• Building exterior lintels

If a Property qualifies as "Target Housing"⁵ and receives direct or indirect Federal assistance, 24 CFR 35.125 requires that tenants be notified of the results of this evaluation within 15 days after delivery to the Designated Party [generally the owner; see 24 CFR 35.110]. The requirement may be satisfied by posting the Summary page in common areas, or by individual delivery to units, together with the name, address and phone number of the person designated by the owner as responsible for providing the full report and answering tenant questions.

Depending on the type and amount of federal assistance, specific portions of 24 CFR 35 may also require a Risk Assessment, hazard reduction activities, Safe Work Practices, and/or development & implementation of an Ongoing Maintenance (O&M) Plan.

Whether or not the Property receives federal assistance, a copy of the Summary page of this report must be provided to tenants, and the full report made available to them, before they become obligated under a new lease or a lease renewal. A copy of the full report must be provided to purchasers before they become obligated under a sales contract.

Protech Environmental Services.

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⁴ Environmental Hazards Services, Inc., NLLAP Accreditation #100420

⁵ 24 CFR 35.110 *Target Housing* means any housing constructed prior to 1978, except housing for the elderly or persons with disabilities (unless a child of less than 6 years of age resides or is expected to reside in such housing for the elderly or persons with disabilities) or any zero bedroom dwelling. In the case of jurisdictions that banned the sale of lead-based paint prior to 1978, HUD may designate an earlier date.

Addendum - Pavement Marking Paint

The bright yellow paint often used for marking pavement and curbs typically has a high lead content. This type of paint should never be used for any other purpose. The following is also recommended:

- Do not abuse, such as with sandblasting or power washing.
- It would be prudent to institute some positive control plan to ensure that this paint is not applied or maintained improperly.

Certification and Limitations

Client understands and agrees that Protech and its employees assume no liability or responsibility for the cost of repairing or replacing any unreported defects or deficiencies, either current or arising in the future, or for any property damage, consequential damage or bodily injury of any nature. In accepting this report, Client acknowledges that if Protech is found liable for any loss or damages alleged to arise from this evaluation, then Protech's liability shall be limited to the fee paid for this evaluation and report, and any such claims must be made within one year from the date of inspection. This report is intended for Client's use only, and no other person may rely on it without Protech's written approval. The price charged is based, in part, on all of the foregoing limitations.

The undersigned certifies that neither he nor Protech has any present or contemplated interest in the Property that would affect the independence or objectivity of the inspection in any way. Neither Protech's employment nor compensation by Customer is contingent in any way on the results of the inspection.

Jerrod Mason, President

TABLE 1. SUMMARY OF XRF TEST RESULTS

		_	-Numbe	r of	Tests		mg/	cm2	
		Total			Inc+		Max	Avg	NIP %>=1
By Loca	tion:								
	1521 State Front	32	32	0	0	0	0.7	0.1	0%
	1521 State Rear	31	31	0	0	0	0.6	0.1	0%
	701 Henry Front	30	30	0	0	0	0.4	0.1	0%
	701 Henry Rear	31	31	0	0	0	0.7	0.1	0%
	707 Henry Front 707 Henry Rear	34 31	34 31	0	0	0	0.6 0.4	0.1	0% 0%
	707 Henry Rear 713 Henry Front	36	36	0	0	0	0.4	0.1	0% 0%
	713 Henry Rear	27	27	0	0	0	0.6	0.1	0%
	719 Henry Front	31	31	0	0	0	0.6	0.1	0%
	719 Henry Rear	29	29	0	0	0	0.6	0.1	0%
	1520 White Front	32	32	0	0	0	0.6	0.1	0%
	1520 White Rear	29	29	0	0	0	0.6	0.1	0%
	1514 White Front	32	32	0	0	0	0.7	0.2	0%
	1514 White Rear	27	27	0	0	0	0.7	0.1	0%
	Building Ext.	16	12	0	0	4	2.9	0.6	25%
By Room	Type:								
2	Entry	1	1	0	0	0	0.0	0.0	0%
	Common Stair	347	347	0	0	0	0.7	0.1	0%
	Laundry	85	85	0	0	0	0.8	0.1	0%
	Exterior Genl	16	12	0	0	4	2.9	0.6	25%
By Comp	onent Type:								
	Flatwork	127	127	0	0	0	0.4	0.0	0%
	Door System	159	159	0	0	0	0.8	0.2	0%
	Window System	39	39	0	0	0	0.5	0.1	0%
	Interior Trim	46	46	0	0	0	0.7	0.1	0%
	Stair & Railing	32	32	0	0	0	0.7	0.1	0%
	Miscellaneous	28	28	0	0	0	0.7	0.1	0%
	Bldg Exterior	16	12 	0	0	4	2.9	0.6	25%
By Comp	onent:								
	Address Block	1	1	0	0	0	0.0	0.0	0%
	Apt.Door	14	14	0	0	0	0.2	0.0	0%
	Beam	14	14	0	0	0	0.0	0.0	0%
	Ceiling	27	27	0	0	0	0.4	0.1	0%
	Door	7 30	7 30	0	0	0	0.0	0.0	08 08
	Door - Steel Door Header	21	21	0	0	0	0.8 0.7	0.2	0%
	Door Jamb	25	25	0	0	0	0.6	0.1	0%
	Door Trim	30	30	0	0	0	0.6	0.2	0%
	DoorFrame-Steel	29	29	0	0	0	0.6	0.3	0%
	Downspout	3	3	0	0	0	0.0	0.0	0%
	Downspout Drain	2	2	0	0	0	0.4	0.2	0%
	Handrail	16	16	0	0	0	0.2	0.0	0%
	Laundry Door	14	14	0	0	0	0.7	0.5	0%
	Lintel	4	0	0	0	4	2.9	2.2	POS 100%
	Masonry Wall	45	45	0	0	0	0.3	0.0	NEG 0%
	Mold - Base	12	12	0	0	0	0.4	0.2	0%
	Post	2	2	0	0	0	0.0	0.0	0%
	Storage cage Stringer	13 16	13 16	0	0	0	0.3 0.7	0.1	0% 0%
	Support Post	14	14	0	0	0	0.7	0.2	0%
	pappore rose	T 4	T 1	O	U	O	0.7	∪.⊥	0.5

TABLE 1. SUMMARY OF XRF TEST RESULTS

	Number of Tests			mg/	cm2				
	Total	Neg	Inc-	Inc+	Pos	Max	Avg	NIP	%>=1
Threshold	14	 14	0	0	0	0.4	0.1		0%
Wall	56	56	0	0	0	0.4	0.1	NEG	0%
Window Jamb	11	11	0	0	0	0.5	0.2		0%
Window Sash	14	14	0	0	0	0.2	0.0		0%
Window Trim	14	14	0	0	0	0.4	0.0		0%
By Substrate:									
Wood	188	188	0	0	0	0.7	0.1		0%
Metal	132	128	0	0	4	2.9	0.2		3%
Concrete	45	45	0	0	0	0.3	0.0		0%
Plaster	83	83	0	0	0	0.4	0.1		0%
By Condition:									
Good	354	354	0	0	0	0.8	0.1		0%
Fair	22	22	0	0	0	0.5			0%
Poor	72	68	0	0	4	2.9	0.2		6%
Grand Total:	448	444	0	0	4	2.9	0.1		1%
Percentages:	100	99	0	0	1				

NOTES ON TABLE 1

- 1. "Neg" (or "Pos") means 95.0% statistical confidence that true total lead level is below (at, or above) the 1.0 mg/cm² regulatory definition.
- 2. "Inc-" (or "Inc+") means that the measurement was below (at, or above) 1.0 mg/cm², but there is less than 95% statistical confidence that the true total lead level is also below (at, or above) 1.0.
- 3. The "NIP" (Neg/Inc/Pos) column classifies the property-wide set of components according to the rules in Chapter 7 of HUD Guidelines. If no classification (e.g. "INC") is given, there are insufficient tests of that component to make the classification. [This generally means that no measurements were INC+ or POS, but there are fewer than 40 tests.]
- 4. The number shown in the rightmost column is the percentage of measurements for which the result was at least 1.0 mg/cm² (i.e. the percentage of measurements that were either INC+ or POS).
- 5. Counts may include duplicated measurements.
- 6. Wall measurements of a particular room are averaged together and, if consistent, are reported as a single value. Reported numbers of measurements for walls are not number of individual measurements, but rather the number of sets of walls.

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	-		
Seq#	Unit	Room	Item	Which	Mat'l Co	ndition	mg/cm ²	Depth	Prob>1	Hazard
Posit	ive Measurements:	(LBP)								
	Building Ext.	,	Lintel	_	Metal	Poor	2.6	NA	0.99	D
457	Building Ext.	#2 Exter Face		_	Metal	Poor	2.9		1.00	D
	Building Ext.			_	Metal				0.97	D
464	Building Ext.	#4 Exter Face		-	Metal	Poor	1.8		0.99	D
	clusive Measuremer									
Incon	clusive Measuremer NONE	nts < 1.0 mg/cm2:								
 Negat	.ive Measurements:	(Not LBP)								
_	1521 State Front		Ceiling	_	Plaster	Good	-ND-	NA	0.00	
	1521 State Front		Walls (all)	_	Plaster	Good	-ND-	NA	0.05	
6	1521 State Front	Common Stair 2	Wall Wall	2	Plaster	Good	-ND-	NA	0.04	
7	1521 State Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.04	
8	1521 State Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.01	
9	1521 State Front	Common Stair 2	Door - Steel	_	Metal	Fair	-ND-	NA	0.00	
10	1521 State Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.00	
11	1521 State Front	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.01	
12	1521 State Front	Common Stair 2	Door	_	Wood	Fair	-ND-	NA	0.00	
13	1521 State Front	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.00	
14	1521 State Front	Common Stair 2	Mold - Base		Wood	Poor	-ND-	NA	0.04	
15	1521 State Front	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.02	
16	1521 State Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.01	
17	1521 State Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.04	
18	1521 State Front	Common Stair 2	Window Jamb	_	Wood	Good	-ND-	NA	0.03	
19	1521 State Front	Common Stair 2	Door Trim	_	Wood	Good	0.5	>5	0.03	
20	1521 State Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.01	
21	1521 State Front	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.00	
22	1521 State Front	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.01	
23	1521 State Front	Common Stair 1		_	Metal	Poor	-ND-	NA	0.04	
24	1521 State Front	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.6	NA	0.02	
25	1521 State Front	Common Stair 1	Door Header	_	Metal	Good	-ND-	NA	0.00	
26	1521 State Front	Common Stair 1	Masonry Wall	3	Concrete		-ND-	NA	0.02	
27	1521 State Front	Common Stair 1	Masonry Wall	2			-ND-	NA	0.01	
28		Common Stair 1	Masonry Wall Masonry Wall Ceiling	4	Concrete		-ND-	NA	0.00	
29	1521 State Front	Common Stair 1	Ceiling	_	Plaster		-ND-	NA	0.03	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
30	1521 State Front	Laundry	Support Post		Metal	Good	0.7	NA	0.05	
31	1521 State Front	Laundry	Beam	_	Metal	Fair	-ND-	NA	0.02	
32	1521 State Front	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.01	
33	1521 State Front	Laundry	Door - Steel	_	Metal	Good	0.6	NA	0.04	
34	1521 State Front	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.03	
35	1521 State Front	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.00	
36	1521 State Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.00	
37	1521 State Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.02	
38	1521 State Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.01	
39	1521 State Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.04	
40	1521 State Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.02	
41	1521 State Rear	Common Stair 2	Door - Steel	_	Metal	Poor	-ND-	NA	0.00	
42	1521 State Rear	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.02	
43	1521 State Rear	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.05	
44	1521 State Rear	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.03	
45	1521 State Rear	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.03	
46	1521 State Rear	Common Stair 2	Window Trim	_	Wood	Poor	-ND-	NA	0.00	
47	1521 State Rear	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.00	
48	1521 State Rear	Common Stair 2	Mold - Base	_	Wood	Poor	-ND-	NA	0.01	
49	1521 State Rear	Common Stair 2	Door Header	_	Wood	Fair	-ND-	NA	0.01	
50	1521 State Rear	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.04	
51	1521 State Rear	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.01	
52	1521 State Rear	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.04	
53	1521 State Rear	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.03	
54	1521 State Rear	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.5	NA	0.00	
55	1521 State Rear	Common Stair 1	Door Header	_	Metal	Good	-ND-	NA	0.00	
56	1521 State Rear	Common Stair 1	Laundry Door	_	Metal	Poor	0.6	NA	0.05	
57	1521 State Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.01	
58	1521 State Rear	Common Stair 1	Ceiling	-	Plaster	Good	-ND-	NA	0.03	
59	1521 State Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.01	
60	1521 State Rear	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
61	1521 State Rear	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.02	
62	1521 State Rear	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.03	
63	1521 State Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.01	
64	1521 State Rear	Laundry	Beam	_	Metal	Good	-ND-	NA	0.03	
65	1521 State Rear	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	
66	1521 State Rear	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.03	
67	701 Henry Front	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
68	701 Henry Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.04	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
69	701 Henry Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.00	
70	701 Henry Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.02	
71	701 Henry Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.00	
72	701 Henry Front	Common Stair 2	Door - Steel	_	Metal	Fair	-ND-	NA	0.03	
73	701 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.01	
74	701 Henry Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.02	
75	701 Henry Front	Common Stair 2	Door	_	Wood	Fair	-ND-	NA	0.00	
76	701 Henry Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.01	
77	701 Henry Front	Common Stair 2	Apt.Door	_	Metal	Fair	-ND-	NA	0.01	
78	701 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.01	
79	701 Henry Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.00	
80	701 Henry Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.05	
81	701 Henry Front	Common Stair 2	Mold - Base	_	Wood	Poor	-ND-	NA	0.03	
82	701 Henry Front	Common Stair 2	Door Header	_	Wood	Fair	-ND-	NA	0.03	
83	701 Henry Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.03	
84	701 Henry Front	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.02	
85	701 Henry Front	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.04	
86	701 Henry Front	Common Stair 1	Laundry Door	_	Metal	Fair	-ND-	NA	0.02	
87	701 Henry Front	Common Stair 1	DoorFrame-Stee	1 -	Metal	Good	-ND-	NA	0.03	
88	701 Henry Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.04	
89	701 Henry Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.01	
90	701 Henry Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.02	
91	701 Henry Front	Common Stair 1	Handrail	_	Wood	Poor	-ND-	NA	0.00	
92	701 Henry Front	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.05	
93	701 Henry Front	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.03	
94	701 Henry Front	Laundry	Beam	_	Metal	Good	-ND-	NA	0.00	
95	701 Henry Front	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.01	
96	701 Henry Front	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.03	
97	701 Henry Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.00	
98	701 Henry Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.02	
99	701 Henry Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.00	
100	701 Henry Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.00	
101	701 Henry Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.00	
102	701 Henry Rear	Common Stair 2	Door - Steel	_	Metal	Poor	-ND-	NA	0.01	
103	701 Henry Rear	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.03	
104	701 Henry Rear	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.00	
105	701 Henry Rear	Common Stair 2	Apt.Door	_	Metal	Fair	-ND-	NA	0.00	
106	701 Henry Rear	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.04	
107	701 Henry Rear	Common Stair 2	Door Jamb	-	Wood	Poor	-ND-	NA	0.01	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
108	701 Henry Rear	Common Stair 2	Mold - Base		 Wood	Poor	-ND-	NA	0.02	
109	701 Henry Rear	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.04	
110	701 Henry Rear	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
111	701 Henry Rear	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.01	
112	701 Henry Rear	Common Stair 2	Window Jamb	-	Wood	Good	-ND-	NA	0.01	
113	701 Henry Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.03	
114	701 Henry Rear	Common Stair 2	Threshold	-	Wood	Good	-ND-	NA	0.04	
115	701 Henry Rear	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.03	
116	701 Henry Rear	Common Stair 1	Laundry Door	-	Metal	Good	0.6	NA	0.03	
117	701 Henry Rear	Common Stair 1	Laundry Door	-	Metal	Good	0.7	NA	0.04	
118	701 Henry Rear	Common Stair 1	DoorFrame-Steel	L –	Metal	Good	0.4	NA	0.00	
119	701 Henry Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.00	
120	701 Henry Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.03	
121	701 Henry Rear	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
122	701 Henry Rear	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.03	
123	701 Henry Rear	Laundry	DoorFrame-Steel	L -	Metal	Good	-ND-	NA	0.04	
124	701 Henry Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.01	
125	701 Henry Rear	Laundry	Beam	_	Metal	Good	-ND-	NA	0.03	
126	701 Henry Rear	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	
127	701 Henry Rear	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.00	
128	707 Henry Front	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
129	707 Henry Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.01	
130	707 Henry Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.01	
131	707 Henry Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.03	
132	707 Henry Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.03	
133	707 Henry Front	Common Stair 2	Door - Steel	_	Metal	Poor	-ND-	NA	0.00	
134	707 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.02	
135	707 Henry Front	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.01	
136	707 Henry Front	Common Stair 2	Mold - Base	-	Wood	Fair	-ND-	NA	0.00	
137	707 Henry Front	Common Stair 2	Door	_	Wood	Good	-ND-	NA	0.00	
138	707 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.03	
139	707 Henry Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.04	
140	707 Henry Front	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.00	
141	707 Henry Front	Common Stair 2	Door Header	_	Wood	Good	-ND-	NA	0.04	
142	707 Henry Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.02	
143	707 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.02	
144	707 Henry Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.01	
145	707 Henry Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.01	
146	707 Henry Front	Common Stair 2	Threshold	-	Wood	Good	-ND-	NA	0.03	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	-		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
147	707 Henry Front	Common Stair 2	Stringer		Wood	Good	-ND-	NA	0.01	
148	707 Henry Front	Common Stair 1	Laundry Door	_	Metal	Good	0.5	NA	0.00	
149	707 Henry Front	Common Stair 1	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.03	
150	707 Henry Front	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.6	NA	0.01	
151	707 Henry Front	Common Stair 1	Door Header	-	Metal	Good	-ND-	NA	0.03	
152	707 Henry Front	Common Stair 1	Ceiling	-	Plaster	Good	-ND-	NA	0.00	
153	707 Henry Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
154	707 Henry Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.01	
155	707 Henry Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.02	
156	707 Henry Front	Laundry	Door - Steel	-	Metal	Good	0.5	NA	0.02	
157	707 Henry Front	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.04	
158	707 Henry Front	Laundry	Support Post	-	Metal	Good	-ND-	NA	0.04	
159	707 Henry Front	Laundry	Beam	-	Metal	Good	-ND-	NA	0.00	
160	707 Henry Front	Laundry	Window Sash	-	Wood	Good	-ND-	NA	0.01	
161	707 Henry Front	Laundry	Storage cage	-	Wood	Good	-ND-	NA	0.04	
162	707 Henry Rear	Common Stair 2	Ceiling	-	Plaster	Good	-ND-	NA	0.03	
163	707 Henry Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.03	
164	707 Henry Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.01	
165	707 Henry Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.01	
166	707 Henry Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.03	
167	707 Henry Rear	Common Stair 2	Door - Steel	-	Metal	Poor	-ND-	NA	0.01	
168	707 Henry Rear	Common Stair 2	Door Trim	-	Wood	Poor	-ND-	NA	0.05	
169	707 Henry Rear	Common Stair 2	Door Jamb	-	Wood	Poor	-ND-	NA	0.02	
170	707 Henry Rear	Common Stair 2	Apt.Door	-	Metal	Good	-ND-	NA	0.00	
171	707 Henry Rear	Common Stair 2	Threshold	-	Wood	Good	-ND-	NA	0.03	
172	707 Henry Rear	Common Stair 2	Door Trim	-	Wood	Good	-ND-	NA	0.02	
173	707 Henry Rear	Common Stair 2	Mold - Base	-	Wood	Poor	-ND-	NA	0.05	
174	707 Henry Rear	Common Stair 2	Door Header	-	Wood	Good	-ND-	NA	0.05	
175	707 Henry Rear	Common Stair 2	Handrail	-	Wood	Poor	-ND-	NA	0.00	
176	707 Henry Rear	Common Stair 2	Stringer	-	Wood	Good	-ND-	NA	0.02	
177	707 Henry Rear	Common Stair 2	Window Trim	-	Wood	Good	-ND-	NA	0.01	
178	707 Henry Rear	Common Stair 2	Window Jamb	-	Wood	Good	-ND-	NA	0.04	
179	707 Henry Rear	Common Stair 2	Masonry Wall	2	Concrete	Good	-ND-	NA	0.05	
180	707 Henry Rear	Common Stair 1	Ceiling	-	Plaster	Good	-ND-	NA	0.04	
181	707 Henry Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.03	
182	707 Henry Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.04	
183	707 Henry Rear	Common Stair 1	Stringer	-	Wood	Good	-ND-	NA	0.02	
184	707 Henry Rear	Common Stair 1	Laundry Door	-	Metal	Good	-ND-	NA	0.03	
185	707 Henry Rear	Common Stair 1	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.00	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	-		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
186	707 Henry Rear	Common Stair 1	DoorFrame-Steel		Metal	Good	-ND-	NA	0.01	
187	707 Henry Rear	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.03	
188	707 Henry Rear	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.02	
189	707 Henry Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.01	
190	707 Henry Rear	Laundry	Beam	_	Metal	Good	-ND-	NA	0.01	
191	707 Henry Rear	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.05	
192	707 Henry Rear	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.00	
193	713 Henry Front	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.04	
194	713 Henry Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.01	
195	713 Henry Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.03	
196	713 Henry Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.02	
197	713 Henry Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.01	
198	713 Henry Front	Common Stair 2	Door - Steel	_	Metal	Poor	-ND-	NA	0.00	
199	713 Henry Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.03	
200	713 Henry Front	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.01	
201	713 Henry Front	Common Stair 2	Door	_	Wood	Good	-ND-	NA	0.00	
202	713 Henry Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.04	
203	713 Henry Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.00	
204	713 Henry Front	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.02	
205	713 Henry Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.00	
206	713 Henry Front	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.02	
207	713 Henry Front	Common Stair 2	Mold - Base	_	Wood	Poor	-ND-	NA	0.04	
208	713 Henry Front	Common Stair 2	Door Header	-	Wood	Good	-ND-	NA	0.03	
209	713 Henry Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.01	
210	713 Henry Front	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.01	
211	713 Henry Front	Common Stair 2	Window Trim	-	Wood	Good	-ND-	NA	0.01	
212	713 Henry Front	Common Stair 2	Window Jamb	_	Wood	Good	-ND-	NA	0.01	
213	713 Henry Front	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
214	713 Henry Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.03	
215	713 Henry Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.03	
216	713 Henry Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.03	
217	713 Henry Front	Common Stair 1	Stringer	_	Wood	Good	-ND-	NA	0.00	
218	713 Henry Front	Common Stair 1	Laundry Door	_	Metal	Good	-ND-	NA	0.05	
219	713 Henry Front	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.6	NA	0.04	
220	713 Henry Front	Laundry	Door - Steel	-	Metal	Good	0.8	NA	0.05	
221	713 Henry Front	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.02	
222	713 Henry Front	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.01	
223	713 Henry Front	Laundry	Beam	_	Metal	Good	-ND-	NA	0.03	
224	713 Henry Front	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which	Mat'l Co	ndition	mg/cm ²	Depth	Prob>1	Hazard
225	713 Henry Front	Laundry	Masonry Wall	1	Concrete	Good	-ND-	NA	0.00	
226	713 Henry Front	Laundry	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
227	713 Henry Front	Laundry	Masonry Wall	4	Concrete	Good	-ND-	NA	0.00	
228	713 Henry Front	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.00	
229	713 Henry Rear	Common Stair 2	Ceiling	-	Plaster	Good	-ND-	NA	0.04	
230	713 Henry Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.02	
231	713 Henry Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.02	
232	713 Henry Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.01	
233	713 Henry Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.01	
234	713 Henry Rear	Common Stair 2	Door - Steel	-	Metal	Poor	-ND-	NA	0.02	
235	713 Henry Rear	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.01	
236	713 Henry Rear	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.00	
237	713 Henry Rear	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.01	
238	713 Henry Rear	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.03	
239	713 Henry Rear	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.01	
240	713 Henry Rear	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.01	
241	713 Henry Rear	Common Stair 2	Window Jamb	_	Wood	Good	-ND-	NA	0.00	
242	713 Henry Rear	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.01	
243	713 Henry Rear	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
244	713 Henry Rear	Common Stair 2	Stringer	_	Wood	Poor	-ND-	NA	0.02	
245	713 Henry Rear	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.02	
246	713 Henry Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.00	
247	713 Henry Rear	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
248	713 Henry Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.01	
249	713 Henry Rear	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.6	NA	0.00	
250	713 Henry Rear	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.01	
251	713 Henry Rear	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.05	
252	713 Henry Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.00	
253	713 Henry Rear	Laundry	Beam	-	Metal	Good	-ND-	NA	0.02	
254	713 Henry Rear	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	
255	713 Henry Rear	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.01	
256	719 Henry Front	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.03	
257	719 Henry Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.04	
258	719 Henry Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.00	
259	719 Henry Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.05	
260	719 Henry Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.00	
261	719 Henry Front	Common Stair 2	Door - Steel	_	Metal	Fair	-ND-	NA	0.02	
262	719 Henry Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.01	
263	719 Henry Front	Common Stair 2	Door Jamb	-	Wood	Poor	-ND-	NA	0.00	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
264	719 Henry Front	Common Stair 2	Door		Wood	Good	-ND-	NA	0.00	
265	719 Henry Front	Common Stair 2	Door Trim	_	Wood	Poor	-ND-	NA	0.05	
266	719 Henry Front	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.01	
267	719 Henry Front	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.00	
268	719 Henry Front	Common Stair 2	Threshold	_	Wood	Poor	-ND-	NA	0.00	
269	719 Henry Front	Common Stair 2	Mold - Base	_	Wood	Fair	-ND-	NA	0.00	
270	719 Henry Front	Common Stair 2	Stringer	_	Wood	Poor	-ND-	NA	0.01	
271	719 Henry Front	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.00	
272	719 Henry Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
273	719 Henry Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.03	
274	719 Henry Front	Common Stair 2	Window Jamb	_	Wood	Fair	-ND-	NA	0.04	
275	719 Henry Front	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.02	
276	719 Henry Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.02	
277	719 Henry Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.04	
278	719 Henry Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.02	
279	719 Henry Front	Common Stair 1	Laundry Door	_	Metal	Fair	-ND-	NA	0.02	
280	719 Henry Front	Common Stair 1	DoorFrame-Steel	L –	Metal	Good	0.6	NA	0.01	
281	719 Henry Front	Common Stair 1	Door Header	_	Metal	Good	-ND-	NA	0.01	
282	719 Henry Front	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.01	
283	719 Henry Front	Laundry	DoorFrame-Steel	L –	Metal	Good	-ND-	NA	0.03	
284	719 Henry Front	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.04	
285	719 Henry Front	Laundry	Beam	_	Metal	Good	-ND-	NA	0.04	
286	719 Henry Front	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	
287	719 Henry Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
288	719 Henry Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.00	
289	719 Henry Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.01	
290	719 Henry Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.00	
291	719 Henry Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.00	
292	719 Henry Rear	Common Stair 2	Door - Steel	_	Metal	Poor	-ND-	NA	0.03	
293	719 Henry Rear	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.05	
294	719 Henry Rear	Common Stair 2	Door Jamb	_	Wood	Poor	-ND-	NA	0.01	
295	719 Henry Rear	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.01	
296	719 Henry Rear	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.00	
297	719 Henry Rear	Common Stair 2	Door Trim	_	Wood	Good	0.4	>5	0.01	
298	719 Henry Rear	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.02	
299	719 Henry Rear	Common Stair 2	Window Jamb	_	Wood	Good	-ND-	NA	0.03	
300	719 Henry Rear	Common Stair 2	Door Header	_	Wood	Fair	-ND-	NA	0.00	
301	719 Henry Rear	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
302	719 Henry Rear	Common Stair 2	Stringer	-	Wood	Good	-ND-	NA	0.03	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	d		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
303	719 Henry Rear	Common Stair 2	Mold - Base		Wood	Good	-ND-	NA	0.01	
304	719 Henry Rear	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.02	
305	719 Henry Rear	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.03	
306	719 Henry Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.02	
307	719 Henry Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.00	
308	719 Henry Rear	Common Stair 1	Laundry Door	_	Metal	Good	0.6	NA	0.05	
309	719 Henry Rear	Common Stair 1	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.02	
310	719 Henry Rear	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.03	
311	719 Henry Rear	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.00	
312	719 Henry Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.05	
313	719 Henry Rear	Laundry	Beam	_	Metal	Good	-ND-	NA	0.01	
314	719 Henry Rear	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.00	
315	719 Henry Rear	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.02	
316	1520 White Front	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.02	
317	1520 White Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.01	
318	1520 White Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.02	
319	1520 White Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.01	
320	1520 White Front	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.04	
321	1520 White Front	Common Stair 2	Door - Steel	_	Metal	Fair	-ND-	NA	0.00	
322	1520 White Front	Common Stair 2	Door Trim	-	Wood	Fair	-ND-	NA	0.03	
323	1520 White Front	Common Stair 2	Door Jamb	_	Wood	Fair	-ND-	NA	0.03	
324	1520 White Front	Common Stair 2	Door	-	Wood	Poor	-ND-	NA	0.00	
325	1520 White Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.03	
326	1520 White Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.02	
327	1520 White Front	Common Stair 2	Apt.Door	-	Metal	Good	-ND-	NA	0.02	
328	1520 White Front	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.03	
329	1520 White Front	Common Stair 2	Mold - Base	_	Wood	Poor	-ND-	NA	0.03	
330	1520 White Front	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.00	
331	1520 White Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
332	1520 White Front	Common Stair 2	Stringer	_	Wood	Fair	-ND-	NA	0.00	
333	1520 White Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.05	
334	1520 White Front	Common Stair 2	Window Jamb	_	Wood	Good	-ND-	NA	0.03	
335	1520 White Front	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.05	
336	1520 White Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.01	
337	1520 White Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.03	
338	1520 White Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.01	
339	1520 White Front	Common Stair 1	Laundry Door	-	Metal	Good	0.6	NA	0.01	
340	1520 White Front	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.5	NA	0.00	
341	1520 White Front	Common Stair 1	Door Header	_	Metal	Good	-ND-	NA	0.01	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lea	-		
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
342	1520 White Front	Laundry	Door - Steel		Metal	Good	-ND-	NA	0.04	
343	1520 White Front	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.00	
344	1520 White Front	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.00	
345	1520 White Front	Laundry	Beam	-	Metal	Good	-ND-	NA	0.03	
346	1520 White Front	Laundry	Window Sash	-	Wood	Good	-ND-	NA	0.01	
347	1520 White Front	Laundry	Storage cage	-	Wood	Good	-ND-	NA	0.00	
348	1520 White Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.03	
349	1520 White Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.04	
350	1520 White Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.01	
351	1520 White Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.02	
352	1520 White Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.03	
353	1520 White Rear	Common Stair 2	Door - Steel	-	Metal	Fair	0.5	NA	0.04	
354	1520 White Rear	Common Stair 2	Door Trim	-	Wood	Poor	-ND-	NA	0.02	
355	1520 White Rear	Common Stair 2	Door Jamb	-	Wood	Poor	-ND-	NA	0.03	
356	1520 White Rear	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.00	
357	1520 White Rear	Common Stair 2	Threshold	_	Wood	Good	-ND-	NA	0.01	
358	1520 White Rear	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.03	
359	1520 White Rear	Common Stair 2	Window Jamb	-	Wood	Good	-ND-	NA	0.03	
360	1520 White Rear	Common Stair 2	Mold - Base	-	Wood	Poor	-ND-	NA	0.03	
361	1520 White Rear	Common Stair 2	Door Header	_	Wood	Poor	-ND-	NA	0.01	
362	1520 White Rear	Common Stair 2	Handrail	-	Wood	Poor	-ND-	NA	0.00	
363	1520 White Rear	Common Stair 2	Stringer	-	Wood	Good	-ND-	NA	0.01	
364	1520 White Rear	Common Stair 1	Ceiling	-	Plaster	Good	-ND-	NA	0.01	
365	1520 White Rear	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.04	
366	1520 White Rear	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.01	
367	1520 White Rear	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.02	
368	1520 White Rear	Common Stair 1	Laundry Door	-	Metal	Good	0.6	NA	0.04	
369	1520 White Rear	Common Stair 1	DoorFrame-Steel	. –	Metal	Good	0.6	NA	0.02	
370	1520 White Rear	Common Stair 1	Door Header	-	Metal	Good	-ND-	NA	0.03	
371	1520 White Rear	Laundry	Door - Steel	-	Metal	Good	0.5	NA	0.02	
372	1520 White Rear	Laundry	DoorFrame-Steel	. –	Metal	Good	-ND-	NA	0.02	
373	1520 White Rear	Laundry	Support Post	-	Metal	Good	-ND-	NA	0.04	
374	1520 White Rear	Laundry	Beam	-	Metal	Good	-ND-	NA	0.03	
375	1520 White Rear	Laundry	Window Sash	-	Wood	Good	-ND-	NA	0.02	
376	1520 White Rear	Laundry	Storage cage	-	Wood	Good	-ND-	NA	0.01	
377	1514 White Front	Common Stair 2	Ceiling	-	Plaster	Good	-ND-	NA	0.01	
378	1514 White Front	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.04	
379	1514 White Front	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.00	
380	1514 White Front	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.05	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

					Lead					
Seq#	Unit	Room	Item	Which		ndition	mg/cm ²	Depth	Prob>1	Hazard
381	1514 White Front	Common Stair 2	 Wall	4	Plaster	Good	-ND-	NA	0.00	
382	1514 White Front	Common Stair 2	Door - Steel	_	Metal	Fair	-ND-	NA	0.00	
383	1514 White Front	Common Stair 2	Door Trim	_	Wood	Good	-ND-	NA	0.05	
384	1514 White Front	Common Stair 2	Door Jamb	_	Wood	Good	-ND-	NA	0.00	
385	1514 White Front	Common Stair 2	Door	_	Wood	Good	-ND-	NA	0.00	
386	1514 White Front	Common Stair 2	Door Trim	_	Wood	Good	0.6	2	0.03	
387	1514 White Front	Common Stair 2	Door Jamb	_	Wood	Good	0.6	5	0.05	
388	1514 White Front	Common Stair 2	Apt.Door	_	Metal	Good	-ND-	NA	0.01	
389	1514 White Front	Common Stair 2	Threshold	_	Wood	Poor	-ND-	NA	0.02	
390	1514 White Front	Common Stair 2	Window Trim	_	Wood	Good	-ND-	NA	0.04	
391	1514 White Front	Common Stair 2	Window Jamb	_	Wood	Good	0.5	>5	0.04	
392	1514 White Front	Common Stair 2	Door Header	_	Wood	Good	0.7	1	0.04	
393	1514 White Front	Common Stair 2	Handrail	_	Wood	Poor	-ND-	NA	0.00	
394	1514 White Front	Common Stair 2	Mold - Base	_	Wood	Poor	-ND-	NA	0.02	
395	1514 White Front	Common Stair 2	Stringer	_	Wood	Good	0.7	4	0.04	
396	1514 White Front	Common Stair 1	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
397	1514 White Front	Common Stair 1	Masonry Wall	2	Concrete	Good	-ND-	NA	0.03	
398	1514 White Front	Common Stair 1	Masonry Wall	3	Concrete	Good	-ND-	NA	0.02	
399	1514 White Front	Common Stair 1	Masonry Wall	4	Concrete	Good	-ND-	NA	0.03	
400	1514 White Front	Common Stair 1	Laundry Door	_	Metal	Good	-ND-	NA	0.04	
401	1514 White Front	Common Stair 1	DoorFrame-Steel	L –	Metal	Good	-ND-	NA	0.00	
402	1514 White Front	Common Stair 1	Door Header	_	Metal	Good	-ND-	NA	0.01	
403	1514 White Front	Laundry	Door - Steel	_	Metal	Good	-ND-	NA	0.01	
404	1514 White Front	Laundry	DoorFrame-Steel	l –	Metal	Good	-ND-	NA	0.01	
405	1514 White Front	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.04	
406	1514 White Front	Laundry	Beam	_	Metal	Good	-ND-	NA	0.01	
407	1514 White Front	Laundry	Window Sash	_	Wood	Good	-ND-	NA	0.01	
408	1514 White Front	Laundry	Storage cage	_	Wood	Good	-ND-	NA	0.01	
409	1514 White Rear	Common Stair 2	Ceiling	_	Plaster	Good	-ND-	NA	0.01	
410	1514 White Rear	Common Stair 2	Wall	1	Plaster	Good	-ND-	NA	0.00	
411	1514 White Rear	Common Stair 2	Wall	2	Plaster	Good	-ND-	NA	0.05	
412	1514 White Rear	Common Stair 2	Wall	3	Plaster	Good	-ND-	NA	0.00	
413	1514 White Rear	Common Stair 2	Wall	4	Plaster	Good	-ND-	NA	0.02	
414	1514 White Rear	Common Stair 2	Door - Steel	_	Metal	Good	-ND-	NA	0.00	
415	1514 White Rear	Common Stair 2	Door Trim	-	Wood	Good	-ND-	NA	0.02	
416	1514 White Rear	Common Stair 2	Door Jamb	-	Wood	Good	-ND-	NA	0.01	
417	1514 White Rear	Common Stair 2	Apt.Door	-	Metal	Good	-ND-	NA	0.00	
418	1514 White Rear	Common Stair 2	Threshold	-	Wood	Good	-ND-	NA	0.02	
419	1514 White Rear	Common Stair 2	Window Trim	-	Wood	Good	-ND-	NA	0.00	

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

							Lead			
Seq#	Unit	Room	Item 	Which	Mat'l	Condition	mg/cm ²	Depth	Prob>1 H	lazard
420	1514 White Rear	Common Stair 2	Window Jamb		Wood	Good	-ND-	NA	0.03	
421	1514 White Rear	Common Stair 2	Door Header	_	Wood	Good	-ND-	NA	0.03	
422	1514 White Rear	Common Stair 2	Handrail	_	Wood	Good	-ND-	NA	0.01	
423	1514 White Rear	Common Stair 2	Stringer	_	Wood	Good	-ND-	NA	0.01	
424	1514 White Rear	Common Stair 1	Ceiling	_	Plaste	r Good	-ND-	NA	0.02	
425	1514 White Rear	Common Stair 1	Masonry Wall	2	Concre	te Good	-ND-	NA	0.05	
426	1514 White Rear	Common Stair 1	Masonry Wall	3	Concre	te Good	-ND-	NA	0.02	
427	1514 White Rear	Common Stair 1	Masonry Wall	4	Concre	te Good	-ND-	NA	0.03	
428	1514 White Rear	Common Stair 1	Laundry Door	-	Metal	Good	0.7	NA	0.05	
429	1514 White Rear	Common Stair 1	DoorFrame-Steel	_	Metal	Good	0.6	NA	0.00	
433	1514 White Rear	Laundry	Door - Steel	-	Metal	Good	-ND-	NA	0.05	
434	1514 White Rear	Laundry	DoorFrame-Steel	_	Metal	Good	-ND-	NA	0.00	
435	1514 White Rear	Laundry	Support Post	_	Metal	Good	-ND-	NA	0.00	
436	1514 White Rear	Laundry	Beam	-	Metal	Good	-ND-	NA	0.00	
437	1514 White Rear	Laundry		-	Wood	Good	-ND-	NA	0.02	
438	1514 White Rear	Laundry	Storage cage		Wood	Good	-ND-	NA	0.00	
448	Building Ext.	Front Exter		-	Metal	Good	-ND-	NA	0.03	
449	Building Ext.	Front Exter	Door Jamb	-	Wood	Good	-ND-	NA	0.03	
450	Building Ext.	Front Exter	Address Block	-	Metal	Good	-ND-	NA	0.03	
451	Building Ext.	Front Exter	Post	-	Wood	Good	-ND-	NA	0.02	
452	Building Ext.	Front Exter	Downspout		Metal	Good	-ND-	NA	0.00	
454	Building Ext.	Front Exter	Downspout Drain		Metal	Good	-ND-	NA	0.00	
456	Building Ext.	#2 Exter Face	Downspout	-	110001	Good	-ND-	NA	0.00	
458	Building Ext.	Rear Exter	Door - Steel		Metal	Good	-ND-	NA	0.00	
459	Building Ext.	Rear Exter		-	Wood	Good	-ND-	NA	0.01	
460	Building Ext.	Rear Exter	Post	-	Wood	Good	-ND-	NA	0.01	
462	Building Ext.	Rear Exter	Downspout Drain		Metal	Poor	-ND-	NA	0.05	
463	Building Ext.	#4 Exter Face	Downspout	_ 	Metal	Good	-ND-	NA 	0.00	
Calib	ration Checks (See	manufacturer's P								
		Date & Time	Reference Chip		Substrate			-	Uncert	OK?
1	Cal Ck: XRF#1371	01/07/03 @0906	NIST 1.0 mg	-	Wood		0.8	<1	+/- 0.3	YES
2	Cal Ck: XRF#1371	01/07/03 @0906	NIST 1.0 mg	-	Wood		0.8	<1	+/- 0.3	YES
3	Cal Ck: XRF#1371	01/07/03 @0906	NIST 1.0 mg		Wood		0.8	<1	+/- 0.3	YES
430	Cal Ck: XRF#1371	01/07/03 @1144	NIST 1.0 mg	-	Wood		0.9	<1	+/- 0.3	YES
431	Cal Ck: XRF#1371	01/07/03 @1144	NIST 1.0 mg	-	Wood		1.0	<1	+/- 0.3	YES
432	Cal Ck: XRF#1371	01/07/03 @1144	NIST 1.0 mg	_	Wood		1.0	<1	+/- 0.3	YES
439	Cal Ck: XRF#1371	01/07/03 @1504	NIST 1.0 mg		Metal		0.8	NA	+/- 0.3	YES
440	Cal Ck: XRF#1371	01/07/03 @1504	NIST 1.0 mg	-	Metal		0.9	NA	+/- 0.3	YES

TABLE 2. LISTING OF ALL MEASUREMENTS, SORTED BY OUTCOME (CHRONOLOGICAL ORDER WITHIN GROUPS)

						Lea	-		
Seq#	Unit	Room	Item	Which	Mat'l Cond	ition mg/cm ²	Depth	Prob>1 Ha	ızard
441	Cal Ck: XRF#1371	01/07/03 @1504	NIST 1.0 mg		Metal	0.9	NA	+/- 0.3	YES
442	Cal Ck: XRF#1272	01/13/03 @0950	NIST 1.0 mg	_	Wood	1.2	<1	+/- 0.3	YES
443	Cal Ck: XRF#1272	01/13/03 @0950	NIST 1.0 mg	_	Wood	1.1	<1	+/- 0.3	YES
444	Cal Ck: XRF#1272	01/13/03 @0950	NIST 1.0 mg	_	Wood	1.1	<1	+/- 0.3	YES
445	Cal Ck: XRF#1272	01/13/03 @1319	NIST 1.0 mg	_	Wood	1.1	<1	+/- 0.3	YES
446	Cal Ck: XRF#1272	01/13/03 @1319	NIST 1.0 mg	_	Wood	1.0	<1	+/- 0.3	YES
447	Cal Ck: XRF#1272	01/13/03 @1319	NIST 1.0 mg	_	Wood	1.0	<1	+/- 0.3	YES
465	Cal Ck: XRF#1272	01/13/03 @1455	NIST 1.0 mg	_	Wood	1.2	<1	+/- 0.3	YES
466	Cal Ck: XRF#1272	01/13/03 @1455	NIST 1.0 mg	_	Wood	1.2	1	+/- 0.3	YES
467	Cal Ck: XRF#1272	01/13/03 @1455	NIST 1.0 mg	_	Wood	1.1	1	+/- 0.3	YES
468	Cal Ck: XRF#1272	01/13/03 @1533	NIST 1.0 mg	_	Metal	1.0	NA	+/- 0.3	YES
469	Cal Ck: XRF#1272	01/13/03 @1533	NIST 1.0 mg	_	Metal	1.1	NA	+/- 0.3	YES
470	Cal Ck: XRF#1272	01/13/03 @1533	NIST 1.0 mg	-	Metal	1.0	NA	+/- 0.3	YES
Other	: (Not Included in	Tabulations)							
455	Building Ext.	Front Exter	Pavement Paint	_	Concrete	Poor 2.0	>5	0.98	D

NOTES ON TABLE 2

- 1. The Sequence number in the first column shows the chronological order.
- 2. The Which column references an item according to the front entry door of the unit [building front entry for shots done in building commons]. Side 1 is the wall that has the front entry door of the unit [front side of building for building commons]. Sides 2, 3, and 4 are then numbered clockwise from side 1. Common stairways are numbered from bottom up. The front of the buildings are those sides which contain the mailboxes.
- 3. The value indicated for mg/cm² Lead is to be compared to the 1.0 mg/cm² legal definition of LBP. A value of "-ND-" denotes "Not Detected." A question mark indicates a measurement that is probably a statistical outlier.
- 4. "Depth" is an *indicator* of how deep the lead lies, expressed *very roughly* as the number of coats of unleaded paint applied above a single leaded layer. Not available for metallic substrates.
- 5. The value for "Prob" is the statistical probability that this measurement indicates LBP. The longer the duration of the test, the lower the uncertainty in the measurement. Measurements are labeled as (POSitive) (NEGative) if the probability is (greater than 95%) (below 5%), INConclusive otherwise.
- 6. "Hazard" indicates the nature of the lead hazard on the component identified, as defined by the State of Michigan. Hazard designations of components with lead-based paint are as follows: "D" indicates paint deterioration; "F" indicates a component with friction and/or impact damage; and "P" refers to a potential hazard if the surface is disturbed.
- 7. Calibration Checks indicate date, time, target value and measurement uncertainty.

GLOSSARY

This section provides definitions of architectural terms that may be unfamiliar.

Baluster	. Vertical spindle beneath a railing
Base molding	. Horizontal molding along the bottom of a wall
Casement	. Swinging portion of a window (in and out)
Casing	. Trim around a window or door
Chair rail	. Horizontal molding about 3 feet off the floor
	. Molding at the joint between the ceiling and wall
Jamb	. Top and sides of a door or window opening
Lintel	. Steel support over a door or window
Newel	. Post at the end of a railing
Picture molding	. Molding that runs horizontally an inch or so below the ceiling
	. Exterior trim just below the sloping edge of a roof (on the "gable end")
Riser	. Vertical portion of a step
Sash	. Moveable portion of a window (up and down)
Sidelight	. Fixed glass that flanks an entry door
Skirt	. Lowest perimeter trim on exterior siding
Soffit	. The underside of an overhanging roof or similar protrusion
	. Sometimes called the interior sill
Stringer	. Side member into which stair treads and risers are set
Tread	. Horizontal portion of a step

Trough Bottom of the space between the window and the storm/screen

Attachment A: Paint Samples

Paint samples were sent to an accredited laboratory for lead content analysis.

The following pages are the laboratory chain of custody and analysis report